



The ARRL Centennial QSO Party 2014:

# The W1AW Portable Operations



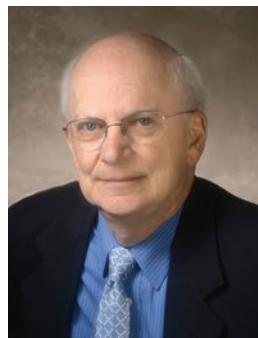
*Words and pictures  
from the operators  
who put W1AW/p  
on the air.*





## From the Desk of Dave Sumner

New Year's Eve, December 31, 2013. As the clock ticked toward 7:00 PM EST and midnight UTC, I sat in my ham shack tuning around the bands and wondering what would happen when W1AW/4 in North Carolina and W1AW/8 in West Virginia hit the airwaves. I recalled operating from the Maxim Memorial Station on New Year's Day in 1976 as AC1AW, using a special prefix that the FCC had authorized all of its amateur licensees to use as part of the celebration of our nation's Bicentennial. It had been an exhilarating start to an exciting year. Would our celebration of the ARRL Centennial match that, or would the "ordinary" prefix be greeted with a big yawn?



I needn't have worried. In minutes it was clear from the size of the pileups that there is nothing ordinary about W1AW, whether operated from the iconic brick building or from the modest shack of an ARRL member hundreds of miles away. As I drove from home to Newington to help inaugurate the year-long operation of W1ØØAW, set to begin at the stroke of midnight local time, I knew that the Centennial was going to be special — but even then I couldn't imagine what an extraordinary on-the-air celebration it would become, thanks to the participation of tens of thousands of ARRL members and friends throughout the world.

The ARRL staff has assembled this booklet to serve as a permanent reminder of a very special event in the history of Amateur Radio and the ARRL. For whatever part you, the reader, may have played, thank you. There could have been no finer demonstration of a very simple truth: that the ARRL is its members.

73,

A handwritten signature in black ink that reads "Dave Sumner". The signature is fluid and cursive.

Dave Sumner, K1ZZ  
ARRL Chief Executive Officer



## From the Desk of Kay Craigie

The ARRL Centennial was meant to be something every member could be part of and enjoy. The W1AW/p operations met that goal and then some. Pick your favorite band and mode — W1AW was there.

Chasing W1AW around the states and territories was exciting for ARRL members in the US and around the world. For some of us, the chase had an additional dimension. Big stations and modest ones, high-rate operators and hams still on the learning curve, for a few hours we were W1AW.

Although the pileups at my station were much bigger when I was using my personal call sign in the Centennial QSO Party — I logged over 18,000 QSOs as N3KN — signing W1AW/4 from my modest home station was a touching experience. It linked me not only with Hiram Percy Maxim, the first President of the ARRL, but also with all the other ARRL members who were using the historic call sign to help our fellow hams have fun.

For me, the most memorable part of the W1AW/p operation didn't happen while I was on the air. It was when I started hearing about amateurs who had come back on the air after a long period of inactivity — in one case it was 45 years! — just to chase W1AW. Something about this operation touched them and drew them back into the fellowship of Amateur Radio.

To everyone who was part of the wild ride, thank you! To the amateurs who are back on the air because of W1AW/p, welcome home!

73,

A handwritten signature in black ink that reads "Kay Craigie". The signature is cursive and elegant.

Kay Craigie, N3KN  
ARRL President



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# The Centennial QSO Party and Sharing W1AW with ARRL's Membership

Dave Patton, NN1N  
Field Services and Radiosport Manager

The Centennial QSO Party has roots that go as deep as ARRL's 90th birthday. In early 2004, I was pondering what we might do for an on-the-air celebration of the 90th anniversary. I mentioned to ARRL CEO David Sumner, K1ZZ, that it would be great if we could put W1AW on the air from each state during one month of 2004. While we thought the idea had merit then (we had been allowing large contest stations to use the call during the IARU HF Championships in July each year), we didn't have the time or resources, nor enough nerve to try something like this then. At the end of a staff meeting in 2010, I once again posed the idea and tacked on the possibility that we not only run W1AW from each state for our Centennial, but that we obtain W1ØØAW for use all year from Headquarters. I saw a glimmer of excitement in the OM's eye.



ARRL began planning for the Centennial year's celebrations well in advance of 2014. A Centennial Committee was formed, and I was part of it. My chunk of the project involved the creation of an on-air celebration and I went for the gold, designing not only a program for putting W1AW on the air from each state and from as many territories as possible, but a year-long game that would involve members as well as all of the field organization and volunteers around the world. I pushed hard for asking the FCC to grant the use of W1ØØAW — more about that in a bit. Before I brought these ideas to the Centennial Committee, I went to Dave, K1ZZ — as trustee of the W1AW station, he needed to approve such an idea. And he did. Dave and I wanted to share the call sign with the members like never before, but it took a leap of faith on Dave's part that I could do it and enlist people to help manage the project in every state and territory.

The Centennial Committee also liked the idea and helped fine-tune the operating events and

the rules for the QSO Party and the awards. I wrote literally hundreds of letters to people whom I knew personally who could manage the use of W1AW for week-long periods as State and Territory Leaders. Some of them had established strong history with ARRL by using W1AW. Some were widely known owners of big stations that hosted many guest operators. Some were people who had led projects for ARRL in the past. The first person who committed to the project was former ARRL President Joel Harrison, W5ZN, who replied with extra emphasis on his enthusiasm for the project.

## The Event Takes Shape

Meanwhile, the pursuit of W1ØØAW took a depressing turn for a number of months and we were making plans to not use that call in 2014. Then the Board took the issue up at its July 2013 meeting and added its endorsement to the use of the call. Several Board members and ARRL President Kay Craigie, N3KN, were instrumental in gaining

## W1ØØAW's Dedicated Guest Op

ARRL Member Lee Hatfield, K2HAT, from Rensselaer, New York made approximately 4800 contacts as W1ØØAW, the special ARRL Centennial call sign used throughout 2014, from the Hiram Percy Maxim Memorial station at ARRL Headquarters. Lee estimates that he made 25 – 30 visits to Newington to activate W1ØØAW, beginning in September 2014.

"I stopped to visit ARRL Headquarters in mid-September to drop off QSL cards for DXCC endorsement and went over to W1AW to get on the air as W1ØØAW," Lee recounted. "I went back a couple of weeks later and got on the air working a huge pileup — a lot more folks were calling than I hear at home as K2HAT."

For his return visits to Newington, Lee invited friends to come along and activate W1ØØAW as well. Pat Tebano, KC2WLR, ended up contributing approximately 1400 contacts over the course of six visits, and George Burns, W2SFD, was pleased to achieve a personal best on his October 30 visit, with 409 QSOs logged.

When not operating W1ØØAW, Lee managed to log nearly 15,000 QSOs from home throughout 2014. He finished the year with DXCC on 12, 15, 17, and 40 meters, and achieved first place in New York for the Centennial Points Challenge. He enjoyed a short stint with the W1AW/2 New York team as well.

In December 2014, Lee received a certificate of appreciation from ARRL Chief Operating Officer Harold Kramer, WJ1B, to recognize his commitment to putting W1ØØAW on the air.

"I was honored," Lee said. "Thanks to the ARRL for holding the Centennial QSO Party. The event made it fun to get on the air and be more active."



Lee Hatfield, K2HAT (left), accepts a certificate of appreciation from ARRL COO Harold Kramer, WJ1B.

congressional support for this request to the FCC, which ultimately was granted.

As the weeks rolled on, it was fascinating to see the progress. We created an e-mail list for the leaders, who started comparing notes about how they were going to spread activity in their states across geography as well as across the bands and modes. The only requirement placed upon them was that we wanted to have as much separation as possible between Week 1 and Week 2 of each state's operations. I felt it was highly likely that interest and activity would ramp up as the year progressed, and people would be starting the chase after some operations were long over. As it turned out, Nebraska and New York were the first states to repeat their weekly operations, and those were the states most often reported as "missed" by those who came late to the game.

### An Exciting Beginning

No one knew what to expect as the clock turned over to January 1, 2014. North Carolina and West Virginia led off the W1AW operations. At Headquarters, myself, K1ZZ, and W1AW Station Manager Joe Carcia, NJ1Q, pulled all-nighters activating the W100AW call to huge pileups. Other ARRL Headquarters staffers were there at the start and during the rest of the weekend including Field Services & Radiosport Assistant Manager Norm Fusaro, W3IZ; Public Relations Manager Sean Kutzko, KX9X; Emergency Preparedness Manager Mike Corey, K1IU; Publications Manager Steve Ford, WB8IMY, and Chief Operating Officer Harold Kramer, WJ1B. It was a remarkable experience using that long call sign, and across the year hundreds of people visited and tried it out.

The first week ended with the W1AW/4 operation netting nearly 25,000 QSOs. As the year rolled on, the QSO totals rolled upward as well. Many weekly operations reached 40,000 QSOs or more, and peaked with the Week 1 operation from Pennsylvania totaling over 61,000 QSOs. The continually growing use of Logbook of The World (LoTW) added to the excitement and the excellent online listings provided by ARRL's HQ Information Technology Department, led by Mike Keane, K1MK, gave all of us something new and fascinating to watch with leader boards and stats pages. Another interesting web tool was the "Call Sign Points" lookup, which showed someone's affiliation and/or status with ARRL and their associated point value for the QSO Party. During the year, there was a

*The Centennial QSO Party and the W1AW portables were a lot of fun. My only regret is that I just got my license in the spring and did not have a radio until June, so I missed a lot! But I wanted to thank you for all the radio opportunities — as a new ham, it was a perfect time to be introduced to radio and radiosport. I've learned a lot, and I appreciate the service of everyone involved.*

— Donna J. Berkley, KK4YOK

noticeable spike in people becoming Volunteer Examiners, and indeed, a spike in membership as people joined the League in order to provide points and be part of it all.

I was elated to find great leaders in the territories. The Guam operation, led by Dave Mueller, N2NL, was a fantastic effort with only a few stations. Ed Williams, KN4KL, and Bill Verebely, W4WV — both of whom had KG4 experience — obtained permission from the Navy to use W1AW/KG4 — the first time that a portable call was used from Guantanamo Bay. The many operators in Alaska (including me), led by Rich Strand, KL7RA, experienced amazing propagation and fabulous QSO totals.

At Dayton Hamvention, Mike Goode, N9NS, approached me about putting W1AW/KH8 on the air from American Samoa and I couldn't say yes fast enough. At the ARRL's Centennial Convention in Hartford in July 2014, a large delegation of very active and enthusiastic hams from Japan visited, and among them was Kit Yoshinuma, AH0J/JA1NVF, who offered to put his station on Tinian, in the Mariana Islands, on the air as W1AW/KH0. Again, I couldn't say yes fast enough. Kit, along with Taka Sakurai, WS2Y/JF1LZQ, led the effort, which provided DXers around the world with QSOs from another rare DXCC entity.

### Picking Up Steam

The Centennial QSO Party really picked up steam in the second half of the year. Mark Wilson, K1RO, along with Barry Cohen, N2BJ; Gary Stone, N5PHT; Jim LaPorta, N1CC, and Mark Murray, W2OR, led the way by getting on daily and working stations from around the world. Jim, N1CC, was perhaps the most active and perhaps the most

impressive as he was worth 5 points, ran only 100 W, and accumulated more than 27,000 QSOs by the end of the year!

Additionally, ARRL's IT department programmed a statistical display that showed total QSOs made with the W1AW portable stations. This wasn't an award or chase that was planned for, but the data was available, and we all really enjoyed it. Bill Frink, K5WAF, really got into the chase and ran away with the trophy for total QSOs. He was pursued by Pete Rimmel, N8PR; Terry Wells, WB4OSS; Carl Durnavich, W9OO; ARRL Honorary Vice President John Kanode, N4MM, and Don Sehulster, W4LSC.

### The Wrap-Up

By the last week of the year, activity was just through the roof. The bands were full on all modes and the Iowa and Pennsylvania teams led by Bob Lee, W0GXA, and Tim Duffy, K3LR, weren't disappointed with the high level of action as they wrapped up an incredible year. ARRL officers, Directors, staff, Section Managers, and other volunteers were out in force. I spent the last couple of days operating at W100AW with relentless, never-ending pileups. And it was always exciting to hear ARRL President Kay Craigie, N3KN, on the air and having fun meeting members everywhere. As the only 300-pointer in the event, Kay was in high demand, and she lived up to it.

W100AW was also farmed out in 2014 — to the six Regional Conventions that the Board designated as part of the Centennial celebration. W100AW/4 in Orlando started it off in February. W100AW/8 was on from the Dayton Hamvention. W100AW/7 followed from SEA-PAC in Oregon, then W100AW/5 from Ham-Com in Plano, Texas. August brought W100AW/4 from Huntsville, and the W100AW portables finished with W100AW/6 on the air from Pacificon in Santa Clara. QSOs with these stations were in high demand, and many ops at these events had a taste of the thrill of being a rare station.

The Centennial turned out to be everything I thought it could be, and certainly more. The W1AW portable stations made over 3.5 million QSOs. Individual hams around the world added millions more. The most asked question is "What do we have planned next?" Hmm... maybe it's time to put W1AW on the Moon, or the ISS, or at the bottom of the Mariana Trench? "Hey, Dave Sumner, would you mind if..."





# W1AW/1

## W1AW/1 Connecticut

**Week 1: 2014-04-30 00:00:00 to 2014-05-06 23:59:59**

**Week 2: 2014-09-17 00:00:00 to 2014-09-23 23:59:59**

### John Spigel, W1AN

Mike McKaughan, K1DM, and I shared responsibility for the initial Connecticut operation. We totaled over 17,000 QSOs for the week here at my QTH. I also hosted several state sessions with the help of James Ming Ying's, N2IW, fantastic scheduling application, and added a web interface to show current activity on my DX cluster node to help monitor and hand off operations between time slots.

## W1AW/1 Maine

**Week 1: 2014-08-27 00:00:00 to 2014-09-02 23:59:59**

**Week 2: 2014-12-03 00:00:00 to 2014-12-09 23:59:59**

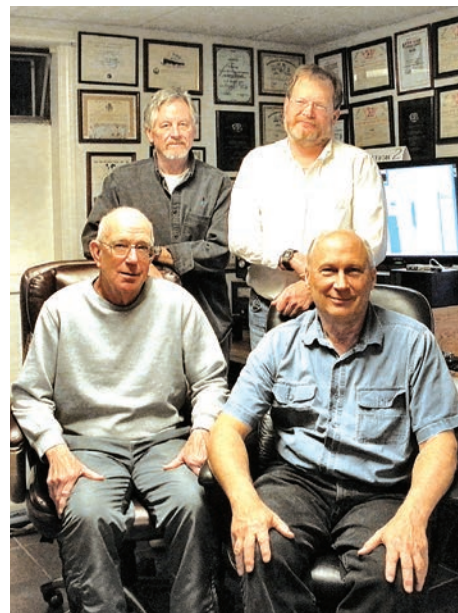
### Doug Grant, K1DG

About 35 operators across the state participated, with stations ranging from top-tier "contest cannons," to "little guns" with simple antennas and low power. Many of the operators were experiencing pileups for the first time and, after some adjustment, had fun making a lot of QSOs. Conditions were good during both weeks for most of the time.

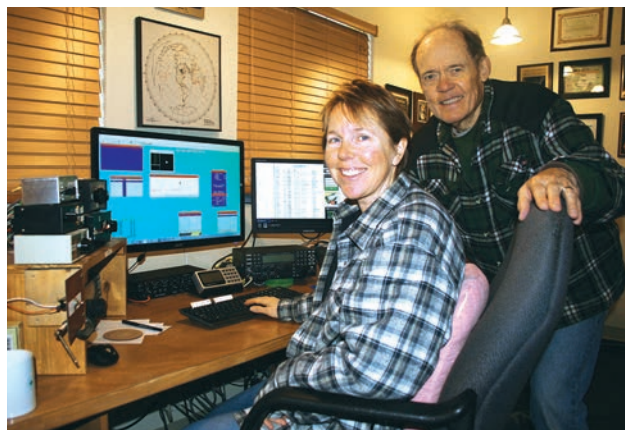
Stephen Roderick, KA1C, did some RTTY, operating split in that mode for the first time. He also did his first operating on 12 and 30 meters. Noted VHF/UHF operator Dave Olean, K1WHS, put his terrestrial array to work at his moonrise and moonset times in December to honor requests for 2 meter EME. His shack is at the top of a big hill far from his house, which meant trudging through snow at 3 AM to provide the contacts. He managed a few dozen QSOs, among the first from Maine on EME since the JT65 modes became widely used.

The December week saw some ionospheric disturbances as well as three significant ice storms. The Long Island DX Society station, N1LI, operated as W1AW/1 in the ARRL 160 Meter Contest during the December week, and racked up over 1400 QSOs in a part-time effort, including over 180 in the first hour, on the way to a total of 10,000 for the week. Joseph Blinick, K1JB, found the afternoon openings to Japan to his liking, racking up hundreds of contacts that contributed to his 6000-QSO log.

The daily updates from the coordinator also included a lot of requests by the "W1AW chasers" for more digital operation. The operators responded! Paul Obert, K8PO, and his wife Jackie Merrick, VA3EEJ, operated RTTY exclusively, and between the 2 weeks, put almost 4000 QSOs in the log on all bands. Stephen Curry, KD1O, kept active on JT65. George Szadis, K1GDI, was active on PSK and delivered a few hundred QSOs. Stephen Kerchel, AA4AK, and Rick Lindquist, WW1ME, did most of the 30 meter operation, including both CW and RTTY, and showed how effective modest stations can be in the right circumstances. Satellite operation was not neglected — Scott Richardson, N1AIA, was active on numerous passes.



James Setzler, K1SD, Mike Visich, KB1RFJ (standing); John Lindholm, W1XX, and John Spigel, W1AN (sitting), take a break during the first week of the Connecticut operation. [Nancy Spigel, W1NAN, photo]



The husband-and-wife team of Paul Obert, K8PO, and Jackie Merrick, VA3EEJ, in Union, Maine (FN54) made over 3500 QSOs on RTTY as W1AW/1. [Paul Obert, K8PO, photo]





Dave, K1TTT, replacing a connector on a run of 160 meter coax. [Photo courtesy of David Robbins, K1TTT]



Allen Singer, N2KW, is the picture of concentration as he works a W1AW/1 Massachusetts pileup from the K1TTT superstation. [Francis Johnson, N1FJ, photo]



James Saccento, WD1S, takes a break from the 40 meter pileup while Allen Singer, N2KW, is still hard at work giving out W1AW/1 Massachusetts on the WARC bands. [Francis Johnson, N1FJ, photo]

## W1AW/1 Massachusetts

Week 1: 2014-04-09 00:00:00 to 2014-04-15 23:59:59

Week 2: 2014-10-29 00:00:00 to 2014-11-04 23:59:59

### Tony Brock-Fisher, K1KP

As I looked through the guidelines and schedule for W1AW/1, I noticed two things: the League had set aside 75 meter AM as a distinct and separate mode of operation for W1AW/1 — and no one had signed up for it! I wondered what it must have been like to handle a pileup on AM, where the carriers cause heterodynes and signals are weak. So I figured out how to get my Icom 756Pro2 to put out a reasonable AM signal.

I didn't make a ton of contacts (37) but I did have a ton of fun. Several AM regulars stopped by and they were all very positive, congratulating me on recognizing the mode. But the biggest surprise was the number of callers who said this was their first AM contact ever! They saw the spots on the cluster, and the novelty was enough to get them to try out a new (old) mode. Now that's cool.

### Nick Maslon, K1MAZ

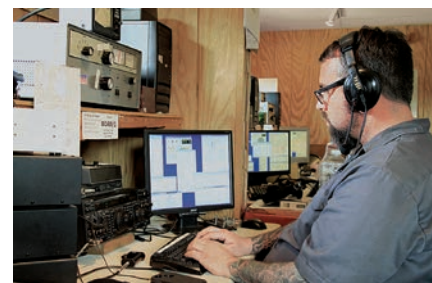
Having seen others activate SOTA peaks as various W1AW portable stations, I got the idea that I could do the same. I headed out Saturday morning, November 1, 2014 for Mount Toby (W1/CR-002) in Sunderland, Massachusetts, which is about 45 minutes away from my home. The summit has a picnic table to operate on as well as trees and a fire tower to hang antennas off of. Unfortunately, it was raining when I left. About 5 minutes away from the trailhead, the rain stopped. After about an hour of hiking, I made it to the summit, and it began to sprinkle again. Since I had already come all that way, I decided to tough it out. I set up my station, which included my FT-100D, a 6.6Ah LiFePO4 battery, and a little netbook for logging. For an antenna, I had borrowed a segmented dipole for 20 and 40 meters and set it up in an inverted V off of a 12-foot crappie pole that I lashed to a tree. I ran 20 meters SSB, netting 35 QSOs in a half hour before a cold, wet me decided it was time to break everything down. Overall, the W1AW portables were a fun experience. I got to operate as W1AW/1 Massachusetts from the K1TTT contest station, my home, and even a mountaintop!



James Mullen, KK1W, multitasking on 20 meters at W1AW/1 Massachusetts. [Francis Johnson, N1FJ, photo]

### David Robbins, K1TTT

The W1AW/1 operation prompted me to install three new antennas for the WARC bands that I had never done anything with before. It was interesting to see how much activity there was on those bands and how much the propagation differed from the contest bands. Scheduling operators for a whole week was much different from a 24- or 48-hour contest operation. With a whole week it was more of a challenge to keep operators fresh and interested. Fortunately there was always something different to try with three new bands, and having CW, SSB, and RTTY going at the same time.



ARRL Contest Branch Manager Matt Wilhelm, W1MSW, runs the W1AW/1 Massachusetts pileup on 10 meters from the K1TTT superstation. [Francis Johnson, N1FJ, photo]



## W1AW/1 New Hampshire

**Week 1: 2014-04-23 00:00:00 to 2014-04-29 23:59:59**

**Week 2: 2014-09-10 00:00:00 to 2014-09-16 23:59:59**

### Bob Raymond, WA1Z

Despite being a small state, we were fortunate to get a pretty large team together for both weeks of W1AW/1 New Hampshire. Team members had many different interests that helped make our operation pretty well balanced. We had DXers, contesters, casual ragchew operators, CW guys, phone guys, RTTY guys, and more. In Week 1, we were able to activate W1AW/1 on JT modes and on the VHF/UHF bands above 2 meters. It was a nice celebration of the many sub-interests we have in this wonderful hobby.

The common theme I heard from the operators, and I agree, is that in addition to the honor of representing the ARRL on the air, the excitement from everyone trying to work us all week long was a special experience. We felt like New Hampshire was a rare island in the middle of the ocean!

### Gerry Hull, W1VE

When the chance came to operate Week 2 of W1AW/1 in my home state of New Hampshire, I thought I'd give it a shot. Because I'd recently moved, I did not have much of an antenna system up, and I thought this would be a good way to demonstrate that even simple stations can work. My setup was simple wire antennas, consisting of vertical dipoles for 10 and 15, with inverted Vs on 80 to 20 meters. None were above 45 feet. All of the antennas were fed with RG-174 (a very thin, lossy coax not recommended for transmission lines). The rig was an Elecraft K3, about 105 W before the feed line loss.

When I started up at my allotted time on 40 meter CW, I checked my signals on the Reverse Beacon Network. To my surprise, my simple station setup was lighting up SDRs all over the US and Europe! I had 624 contacts in about 8 hours of operating time. My best QSO rate was over 150 QSOs per hour!

If you are a new ham, don't pine for that huge tower and big amplifier. Get on the air with what you have! You'll be amazed at what you can work. My first station worked on 80 meters at sunset was a station in California, and I worked amazing DX from all continents.



## W1AW/1 Rhode Island

**Week 1: 2014-07-23 00:00:00 to 2014-07-29 23:59:59**

**Week 2: 2014-11-12 00:00:00 to 2014-11-18 23:59:59**

### John Lindholm, W1XX

The Rhode Island effort was led by superstation KIIG operating multi-2 with only three ops (Dennis Egan, W1UE; Charles Morrison, N1RR, and Malcolm Davenport, KIIG) contributing nearly 21,000 contacts. Connecticut imports Robert Halprin, K1XA, and John Spigel, W1AN, helped the multi-single W1XX operation to a total of 9000 QSOs. Providence Radio Association club station W1OP was omnipresent with several operators. Several single-operator Rhode Island stations contributed mightily to the overall effort as well. Our Week 1 operation topped out at 36,000 QSOs, and we had an even better result for Week 2: 45,419 QSOs. This was a great learning experience for some ops who were not used to handling a high volume of callers.



## W1AW/1 Vermont

**Week 1: 2014-03-26 00:00:00 to 2014-04-01 23:59:59**

**Week 2: 2014-08-06 00:00:00 to 2014-08-12 23:59:59**

### Mitch Stern, W1SJ

The weekend of our second stint as W1AW/1 ended up on the same day as our club picnic, so we decided to operate W1AW/1 portable from Kill Kare State Park. The first plan was to set up a remote link from the park via Internet to K2LE's big station in southern Vermont. We set up an Internet hot spot and were working on getting the remote radio set up when word came that the remote wouldn't work with K2LE also operating in local mode. So, in short order we had the DX-70 and "portable" SB200 amp cooking up 500 W to a high 20 meter dipole. Power was provided via a long extension cord to the office. I got the pileup warmed up and quickly passed off the hosting duties to Laura Delay, K2LAD, assisted by Mike Gladu, N1FBZ, both of whom are not contesters and had never dealt with a pileup before. Several hours — and a 100 QSO per hour rate — confirmed that the station worked and the inexperienced ops got the job done!



Laura Delay, K2LAD, and Mike Gladu, N1FBZ, handling the pileups at Kill Kare State Park, while everyone else was enjoying burgers and dogs! [Bob Henneberger, KB1WXM, photo]



# W1AW/2



## W1AW/2 New Jersey

**Week 1: 2014-04-23 00:00:00 to 2014-04-29 23:59:59**

**Week 2: 2014-08-06 00:00:00 to 2014-08-12 23:59:59**

**Carol Richards, N2MM**

Because I am a veteran of 35+ years of contesting, the ferocious pileups I encountered in the Week 1 running of W1AW/2 New Jersey didn't bother me, and I managed to put in over 50 hours and contribute nearly 5000 QSOs. All of the Week 1 operators were seasoned contesters. That fact, coupled with great propagation, enabled W1AW/2 to make over 57,000 contacts in the operation's first week.

Our Week 2 was very different. Propagation changed dramatically, to the point where 10 meters and 12 meters were only marginally open and usually only via scatter path, intermittently. I had spent May and June driving to six or seven club meetings in the far northern parts of New Jersey where I had been graciously invited to speak about W1AW/2, because most of those clubs had not been involved in the April event. I was eventually able to submit more than 50 different logs for the August effort; most from first-timers, most with very modest stations, and most who had never operated a pileup before!

The W1AW/2 New Jersey operation made everyone who participated in it feel that they were a part of something bigger than they could ever have imagined. And, most importantly, W1AW/2 opened up a whole new world to many new hams in New Jersey. In doing so, it has created a memory that will last longer than just a 1-year celebration.

*The W1AW/2 New Jersey operation made everyone who participated in it feel that they were a part of something bigger than they could ever have imagined.*

— Carol Richards, N2MM



## W1AW/2 New York

**Week 1: 2014-01-22 00:00:00 to 2014-01-28 23:59:59**

**Week 2: 2014-05-21 00:00:00 to 2014-05-27 23:59:59**

**John Smale, K2IZ**

I must admit that back in January 2014 I didn't know that much about the Centennial Contest. My neighbor Bob Myers, K2TV, told me about the W1AW/2 operation. I started by making a few contacts on PSK and CW. I was able to have short chats with stations that I've only worked in contests. It was nice to hear their voices and listen to their comments in a non-contest atmosphere.

*I enjoyed W1AW/p and the Centennial Points Challenge in 2014. It was the most exciting year in my ham days since 1979. 2014 was exactly as if a DXpedition took place every day.*

— Nob Ichino, WK3D/JF2MBF





# W1AW/3

## W1AW/3 Delaware

**Week 1: 2014-01-15 00:00:00 to 2014-01-21 23:59:59**

**Week 2: 2014-11-26 00:00:00 to 2014-12-02 23:59:59**

### Ray Sokola, K9RS

I made over 5000 contacts from one of my homes, in Lewes, for Week 1 of W1AW/3 Delaware, even though I couldn't operate the entire week as I was traveling for the last several days. As Week 2 approached, I knew there would be a lot of demand, but we had a limited number of operators and a challenging week that included Thanksgiving and CQ World Wide CW. I packed up a Yaesu FT-857, laptop, Microham interface, paddle, and a trap vertical for my trip up to my second home in Wilmington. I set up a small station in a corner and prepared to make a few contacts. Two days later I had fit in enough time for 1500 QSOs, all on CW. I received an e-mail from a JA operator who suggested I turn my antenna to JA as I was not too loud on 20 CW. I explained my antenna and station situation, and fortunately made a number of contacts with JA and others later when I returned to my other station in Lewes. I ended the second week with over 4500 contacts despite the tough beginning, as well as taking time to operate with my own call for CQ World Wide CW. This was great fun and I hope the ARRL can come up with another event like this in the future.



## W1AW/3 District of Columbia

**Week 1: 2014-10-01 00:00:00 to 2014-10-07 23:59:59**

**Week 2: 2014-12-13 00:00:00 to 2014-12-14 23:59:59**

### Eric Rosenberg, W3DQ

Led by Ken Low, KE3X, the first week of the W1AW/3 operation in DC managed to have at least three stations (Ken, KE3X; Eric Rosenberg, W3DQ, and Rafael Pena, NN3RP) manned for most of every day during the week. Unlike our friends and neighbors in Virginia and Maryland, the District of Columbia is a small, urban environment. Our ham population is small, made up of capable but effective "little pistol" stations spread out in the city. While our team was made up of seasoned contesters, none of us had experienced the large pileups and long runs that were generated all day, every day. Even with our small pool of available stations and operators, we were able to accommodate most callers up to the minute we signed off. Our team also included Dave Siddall, K3ZJ; Peter Alterman, W2CDO; Bob Teitel, W3IDT; John Shew, N4QQ; Art Boyars, K3KU, and Tim Shoppa, N3QE. Paul Stoetzer, N8HM, handled satellite contacts. We had one newcomer, Nathaniel Vishner, KB1QHX, whose first foray into the pileups was quite a success. Thanks to Pat Benson, K0OO for putting his club's station, W3HAC, on the air for the more esoteric digital modes and VHF bands. Special thanks to Bob Wilson, N6TV, for the software he wrote that helped us figure out not only the number of QSOs we made on each band, but also the number of QSOs by station and mode.



**Paul Stoetzer, N8HM, operated satellite outside the Capitol Park Plaza Building, making a total of 125 QSOs with 73 different stations. Paul worked 55 grid squares, 30 states, and 6 DXCC entities (United States, Mexico, Cuba, Brazil, England, and Ireland), with the majority of the contacts made on SO-50 and FO-29. [Perry Klein, W3PK, photo]**

### Mike Corey, K11U

In December, W1AW/3 District of Columbia was on the air for the ARRL 10 Meter Contest. The District of Columbia counts as a multiplier for this contest. The host station for the event was the Voice of America Amateur Radio Club, K3VOA. Club members Ken Claerbout, K4ZW, and Gerhard Straub, K6XH, coordinated the event. The station, which is on the top floor of VOA headquarters, provided a great location for a weekend contest operation, and club members, as well as a few visiting operators, kept the station on the air for the duration of the contest. FEMA Administrator Craig Fugate, KK4INZ, and FEMA Chief Technology Officer Ted Okada, K4HNL, stopped by on Saturday to lend a hand. While only counting as a checklog in the contest, the operators made more than 2000 QSOs over the weekend. Operators and guests for W1AW/3 District of Columbia at K3VOA included Gerhard, K6XH; Ken, K4ZW; Mike Corey, K11U; Craig, KK4INZ; Ted, K4HNL, and Mel Eleazer, K4MNE.



**FEMA Administrator Craig Fugate, KK4INZ, operating W1AW/3 District of Columbia at the Voice of America Amateur Radio Club, K3VOA. [Mike Corey, K11U, photo]**



## W1AW/3 Maryland

Week 1: 2014-06-25 00:00:00 to 2014-07-01 23:59:59

Week 2: 2014-12-17 00:00:00 to 2014-12-23 23:59:59

W1AW/3 Maryland operated Field Day during our first week on the air. A team of nearly 100 hams from the Potomac Valley Radio Club and Columbia Amateur Radio Association installed and operated 28 transmitters (28A category). We erected 12 towers supporting Yagi antennas from 160 meters through 432 MHz, as well as nine dipoles strung between the towers. The antennas ran along a 1000-foot line across our Field Day site at the Triadelphia Ridge Elementary School in Ellicott City, Maryland. We completed 11,233 contacts for 36,730 points. — Frank Donovan, W3LPL [Audrey Suhr, photo]



Gale Steward, K3ND, takes a moment between W1AW/3 Pennsylvania QSOs to give the thumbs-up. [Photo courtesy of Gale Steward, K3ND]

## W1AW/3 Pennsylvania

Week 1: 2014-04-02 00:00:00 to 2014-04-08 23:59:59

Week 2: 2014-12-24 00:00:00 to 2014-12-30 23:59:59

### The W1AW/3 Pennsylvania Team

Week 1 of the W1AW/3 Pennsylvania operation employed 12 stations and a total of 26 operators, including Bud Trench, AA3B, Team Leader and CW Captain; Charles Fulp, K3WW, Team Leader and SSB Captain; Philip Theis, K3TUF, VHF Captain; John Schreibermaier, W3MF, RTTY Captain; Glenn O'Donnell, K3PP, IT Captain; Bob Brown, KW3F, Digital Specialist; Gale Steward, K3ND; Rick Saeger, K3OO; Ed Caplan, W3CC; Alan Donziger, N3AD; Steve Dobbs, NE3F; Harold Messer, K3ATO; John Hilbish, W3UM; Allen Zimmerman, K3WGR; Fred Guiliano, NG3J; Jay Mason, N3OW; Glenn Kurzenknabe, K3SWZ; Keith Beebe, W3KB; Philip Giella, WB3R; John Bednar, K3TEJ; Jake Lauser, KK6L; Wayne Kline, W3EA; Betty Burgess, NB2R; Pasquale Ventresca, W3FIZ; Barry Gardner, W3FV, and Bob Schreibermaier, K3PH.

Our Google Drive pages let us sign on and off any band or mode and list our operating frequency. We had propagation references visible, and a running score page, which we had hoped to automate but we ended up manually updating totals each time we changed bands. Chat windows were visible so we could discuss band changes or needs, or requests to move to underserved bands/modes.

Being a bunch of serious contest guys, we were inspired by the amazing efforts that came before our week. Our team is thrilled to have been a part of this historic activity.

### Glenn O'Donnell, K3PP

As the “IT guy” of the W1AW/3 Pennsylvania operation, I created a shared Google spreadsheet that we first used to schedule operators. What proved most useful once we were running was the sheet that we used to show real-time operator band and mode. Each team member had to update this manually, but it was easy to do. This “map” always showed the rest of the team where everyone was. We also had a real-time chat that allowed us to text back and forth for logistics. If you had a good run going, you could use the chat feature to let the others know that someone should take the frequency. We did this many times and it worked beautifully.

The antennas at K3WW. The two-element 30 meter beam at 50 feet was put up just for the W1AW/3 Pennsylvania operation, and was “an eye-opener,” netting contacts from never-before-heard locations. [Charles Fulp, K3WW, photo]







# W1AW/4

## W1AW/4 Alabama

**Week 1: 2014-06-04 00:00:00 to 2014-06-10 23:59:59**

**Week 2: 2014-10-15 00:00:00 to 2014-10-21 23:59:59**

**David Drummond, W4MD**

From start to finish, the pileups were enormous. We worked a lot of great operators worldwide, and were happy to put them in the log. The Alabama Contest Group facilitated all scheduling for operations of W1AW/4 Alabama, and they did an excellent job. Let's do it again soon!



Tommy Howell, KG4MPU, operating 20 meter SSB on the first day of the first week of W1AW/4 Alabama, from W4MD in Northport. David Drummond, W4MD, also operated the station during the 2-hour block. The station logged 1500 – 2000 contacts during the first evening. [David Drummond, W4MD, photo]

## W1AW/4 Florida

**Week 1: 2014-02-19 00:00:00 to 2014-02-25 23:59:59**

**Week 2: 2014-11-19 00:00:00 to 2014-11-25 23:59:59**

**Pete Rimmel, N8PR**

In our more than 100,000 QSOs (before dupes), we had 54 EME QSOs, and I personally worked 16 other W1AW/p EME stations, including W1AW/KL7, and 15 states! Also, we had probably the newest ham operator at my location — Ingrid O'Neill, KM4FNT, who got her license on November 7, 2014 and operated as W1AW/4 on November 22! She was a quick learner and worked over 100 stations in about an hour. She was really excited to work DX, including JA and VK.



Julio Henriquez, AD4Z, operated W1AW/4 Florida on 80 and 40 meter CW from his home station in Miami and describes the experience as “one of the most important moments of my life in radio.” [Maria Henriquez, photo]



Newly licensed Ingrid O'Neill, KM4FNT, makes her first-ever QSOs on HF as W1AW/4 Florida, while Bill Dzurilla, NZ5N, provides guidance. [Pete Rimmel, N8PR, photo]

## W1AW/4 Georgia

**Week 1: 2014-02-05 00:00:00 to 2014-02-11 23:59:59**

**Week 2: 2014-12-17 00:00:00 to 2014-12-23 23:59:59**

**Fred Dennin, WW4LL**

I was pleasantly surprised that the level of interest in this event far exceeded my expectations. The pileups were similar to what I've experienced operating from PJ4 and PJ2. It was daunting at times, but several of our operators tried to accommodate special e-mail and on-the-air requests for mode and band contacts. All of our operators worked a team to fill in when others had to change their operating schedule. They were a real pleasure to work with on the organization of this event. A special thanks to Mike Greenway, K4PI, and Dennis Arnold, K4NV, for very high Q counts, Eric Hyatt, W4DXX, for handling the logs submitted to the ARRL and Steven Dyer, W1SRD, for providing our online operating schedule. I sincerely appreciate the Georgia volunteers and our California guest op that made the second week of W1AW/4 Georgia successful.





## W1AW/4 Kentucky

Week 1: 2014-03-05 00:00:00 to 2014-03-11 23:59:59

Week 2: 2014-07-30 00:00:00 to 2014-08-05 23:59:59

**Tim Totten, N4GN**

During the first week of the W1AW/4 Kentucky operation, we were blessed with amazing propagation. In fact, at times, all bands between 160 and 10 were open simultaneously, with good DX signals to some part of the world.

On the morning of March 7, the JAs were just pounding in on 80. I announced a QSY to 160, where the pileup continued, still with very strong signals. I just couldn't believe I was running Japan on Top Band from Kentucky! At one point, KH2/N2NL popped through the pileup with a huge 599+ signal. I stuck with the pileup until signals finally faded, well after sunrise.

Still amazed by the run on 160, I quickly checked the high bands, and discovered 10 was already wide open to Europe and even deep into central Asia. As I settled into a more common European pileup, a weak signal caught my attention. Struggling at first to copy, I tried switching antennas.

When I selected my "Caribbean mult" contest antenna (fixed SE), the signal was immediately solid copy — it was a JA on the long path! Once I grabbed my highest 10 meter antenna and swung it around to SSE, I discovered a huge pileup of JAs calling me! I worked as many as I could over the next hour or so, even logging a few other interesting long-path QSOs from HS, BV, YB, UAØ, VU2, etc.

I've been a ham for almost 40 years now, and have been blessed to operate from some rare DX locations, including a couple of all-time new DXCC entities, but that morning as W1AW/4 Kentucky is a memory I'll never forget.

**Glenn Petri, KE4KY**

I coordinated W1AW/4 Kentucky, Week 2. I was more than thrilled to be involved in such a major on-air event, especially an event commemorating such a significant milestone in the history of the American Radio Relay League.

Operators for the event were pulled from the ranks of the active DXers and contest-oriented ops from all across the Commonwealth, with many of these ops having been involved with the Kentucky Contest Group. Several of our ops had their own specialty mode, and this knowledge and experience aided in quickly working through the instant pileups that occurred when the operators would initially present themselves on the bands. It was truly a learning experience for those ops not familiar with being on the receiving end of a large pileup.

The single greatest joy I received hosting Week 2 was that of involving good friends in this event. Of particular note was the involvement of Bill Scott, NM4K (SK). Even with failing health, Bill participated in both weeks, affording a significant amount of time to make W1AW/4 Kentucky available during the midday hours.

*The single greatest joy I received hosting Week 2 was that of involving good friends in this event. Of particular note was the involvement of Bill Scott, NM4K (SK). Even with failing health, Bill participated in both weeks, affording a significant amount of time to make W1AW/4 Kentucky available during the midday hours.*

— Glenn Petri,  
KE4KY



## W1AW/4 North Carolina

Week 1: 2014-01-01 00:00:00 to 2014-01-07 23:59:59

Week 2: 2014-09-17 00:00:00 to 2014-09-23 23:59:59

The W1AW/4 North Carolina Week 2 Team. Standing from left to right are Carl Moreschi, N4PY; Tucker McGuire, KK4UNZ; Bruce Meier, N1LN; Laurie Meier, N1YXU; Howard Hoyt, WA4PSC, and Eric Sossoman, K4CEB. Kneeling from left to right are Dan Atchison, N3ND; Nate Moreschi, N4YDU, and Wayne Starnes, KU4V. The team was amazed at the size of the pileups and the number of JAs they worked — more than 2500, which is amazing from North Carolina. [Photo courtesy of Nate Moreschi, N4YDU]



## W1AW/4 South Carolina

Week 1: 2014-01-08 00:00:00 to 2014-01-14 23:59:59

Week 2: 2014-07-16 00:00:00 to 2014-07-22 23:59:59

Tom Francis, W1TEF

The W1AW/4 South Carolina operation was a total blast. As I live in a condo complex, I had to operate out of the Dutch Fork Amateur Radio Group (W4DFG) radio shack in Little Mountain, South Carolina. Toward the end of the week, I had just finished a shift on 10 meters and checked in on one of DFARG's members, Doug Welborn, K4FI, who was working 40 meter SSB. Doug mentioned that he needed to get on 17 meter CW, so I took over the last 2 hours of his shift on 40 meters. Doug had a small pileup going, but the band shifted when he left, and I had a massive pileup going in a short time. For 2 solid hours, I ran stateside and EU hams. I never realized how popular South Carolina was for Worked All States across the globe. As the end of the 2 hours approached, Alan Fitzsimmons, W4ANT, came up on frequency and I was glad he did — I was running out of voice, but the pileup wasn't running out of hams! It was fun being on the other side of a pileup and I thoroughly enjoyed it.



## W1AW/4 Tennessee

Week 1: 2014-03-19 00:00:00 to 2014-03-25 23:59:59

Week 2: 2014-09-03 00:00:00 to 2014-09-09 23:59:59

Ned Swartz, K1GU

Our first week of operation in March coincided with the regular monthly meeting of the Nashville Amateur Radio Club (NARC) on March 20, 2014. NARC is an affiliated special service club. Club member Russ Ward, W4NI, told me he wanted his club to operate that evening and signed up for a block of time. I thought they were going to operate from his home station. It wasn't until much later that I learned that NARC is blessed with a permanent meeting location with a tower and antennas in a lock house on the Cumberland River. For the meeting, the club set up a station on the second floor to operate as W1AW/4 and held a party on the first floor, as 2014 was NARC's 80th anniversary as an ARRL Affiliated Club. Eighteen club members and guests took turns signing W1AW/4 that evening. The club also operated W1AW/4 on a Saturday afternoon in September.



Nashville Amateur Radio Club Vice President and Tennessee Assistant Section Manager Jim Goodrich, WA4VGZ, logs for his wife Cathy Goodrich, KK4IWN. [Jim Goodrich, WA4VGZ, photo]

## W1AW/4 Virginia

Week 1: 2014-04-09 00:00:00 to 2014-04-15 23:59:59

Week 2: 2014-10-08 00:00:00 to 2014-10-14 23:59:59

Steve Hawley, K4EU

We made a grand total of 92,790 QSOs — 49,344 in April and 43,446 in October. Sixty-seven operators participated in April and 63 participated in October. We were active on all bands and modes, including EME and WSPR. What a superb and rewarding on-the-air experience it was! The pileups were deep and continuous, the worldwide interest was amazing, and the enthusiasm for the event was over-the-top outstanding. Operators truly were able to experience the thrill of what it is like to operate from a sought-after DX station. For those of us who have operated as DX, operating as W1AW/4 brought back great memories of being the "hunted." What a rush it was to be the focal point of the ham radio world for 2 weeks in 2014!



On December 6, 2014, an open house was held at the world-class contest station NR4M, and 28 W1AW/4 Virginia operators were able to attend from across Virginia. Sitting or kneeling from left to right: Michael Sims, K4GMH; Larry Schimelpfenig, K7SV; Robert Van Fossen, K4DJG; Dick Becker, W6LWG; John Mann, W4JAM; Skip Merrill, KS4Q; Ciprian Suffitchi, N2YO; David Putman, KE4S, and Stephen Hawley, K4EU. Standing: Jerry Pixton, W6IHG; Gary Foveaux, K4GTF; Richard Brown, NN4RB; Jerry Knowlton, W1IE; Rich Zwirko, K1HTV; Sheila Blackley, K4WNW; William Perkins, KC4D; Wray Dudley, AB4SF; Peter Lunn, N4UP; Mike Trowbridge, KA4RRU; Al Danis, W6HGF; Stephen Veader, N4DXS; Dan Hausauer, W0CN; Bruce Blackley, WD4LBR; Steve Bookout, NR4M, and Sejo Sudic, N3UA. Attending but not in the photo: Kenneth Claerbout, K4ZW; Terry Erlacher, KC4DV, and Louis Loria, W0QQG. [Mark Bailey, KD4D, photo]





# W1AW/5



The K5BAT club station is located at an old AT&T microwave site, which earned them the nickname “Big Arkansas Tower.” [Dennis Schaefer, W5RZ, photo]

## W1AW/5 Arkansas

Week 1: 2014-06-11 00:00:00 to 2014-06-17 23:59:59

Week 2: 2014-11-19 00:00:00 to 2014-11-25 23:59:59

### Dennis Schaefer, W5RZ

The W1AW/5 Arkansas operation made SSB, CW, and RTTY contacts from the K5BAT club station, which is located at an old AT&T microwave site in a very rural setting. We call it the “Big Arkansas Tower,” or simply “the BAT.”

There were several special moments. We were running a big pileup on SSB and kept hearing a weak station calling. He sounded distorted and was difficult to tune in. He kept trying, though, and all we could get was “N4.” We asked everyone to stand by until we pulled him through. It was apparent that he had a speech disability, maybe the results of a stroke. Finally, we got his call correct, and we could tell he was thrilled. We told him this is what ham radio was all about and that we were proud and honored to work him. His efforts made our day, too!

## W1AW/5 Louisiana

Week 1: 2014-06-04 00:00:00 to 2014-06-10 23:59:59

Week 2: 2014-11-26 00:00:00 to 2014-12-02 23:59:59

### Mark Ketchell, K5ER

I had a blast, especially with the logistics of the W1AW/p project. The various state coordinators played a large part in the program’s success. We helped each other on the “Leaders’ reflector” and ARRL Field Services and Radiosport Manager Dave Patton, NN1N, kept us informed and excited about the event, then we just shared our excitement with our own groups, and the result was over 3.5 million QSOs — what a success!

I also have to credit W1AW Station Manager Joe Carcia, NJ1Q, who had to sign and upload all the individual files into Logbook of The World, including those in which the format had to be corrected. There were literally hundreds each week, plus all the corrections. We all owe him a big thank-you.

While Joe and Dave might have been the glue that held the event together, the heroes were the operators who got on at all hours of the day and night and made the contacts. While there were some who made thousands, many who made hundreds, and some who made only a handful, they all got on the air and had fun.

Scott Dickson, W5WZ, and I join all our operators from Louisiana in saying thank you to the ARRL staff, and all those who got on the air, for generating so much activity and excitement in our wonderful hobby. It’s been a great year and we are happy to have been a part of it.



Jackson Wilson, KF5LOQ, operated his handheld satellite station on SO-50 during W1AW/5 from Louisiana. [Jessica Wilson, photo]



Nearing the end of his final shift of the week, Scott Dickson, W5WZ, passes through his 6100th QSO operating as W1AW/5 Louisiana. Taking into account both weeks of the operation, Scott accounted for 10,332 of our 55,824 contacts. [Jordan Dickson, KD5GDJ, photo]



George Carr, WA5KBH, operated the hamsat aspect of the Louisiana operation along with Joseph Fouquet, N5JF; Angelo Glorioso, N5UXT; Jackson Wilson, KF5LOQ, and Arnold Lemaire, KE5JXC. They focused on the linear birds and SO-50 during the event. [Joan Carr, photo]



## W1AW/5 Mississippi

**Week 1: 2014-04-16 00:00:00 to 2014-04-22 23:59:59**

**Week 2: 2014-11-12 00:00:00 to 2014-11-18 23:59:59**

### Torsten Clay, N4OGW/5

I recruited stations around the state to act as host stations and operate. Station capabilities varied quite a bit: I have two towers at my station, but some got on with just 100 W and a dipole. Most of the organizing was done by e-mail and Google Docs, with a few phone calls to sort things out. Thirty-two operators took part in our “distributed” effort. Before going in, I wasn’t sure this approach would work, but it all hung together.

## W1AW/5 New Mexico

**Week 1: 2014-03-19 00:00:00 to 2014-03-25 23:59:59**

**Week 2: 2014-09-24 00:00:00 to 2014-09-30 23:59:59**

### Milt Jensen, N5IA

I operated both weeks of W1AW/5 New Mexico solely on the 160 meter band. Although band conditions and propagation were not anywhere near top form, I was not disappointed. I made a total of 2096 contacts operating CW and SSB in the two sessions. The activity was performed from the N5BG/NI5T station. This is Larry Griggs’, N5BG, home station, which he and I built together as a home base for the Virden Contest Club, NI5T. The station is only 1 mile from the Arizona state line and 80 miles north of the Mexican border, in Hidalgo County, the most southwest county in the state of New Mexico. *N1MM* tells me that I burned 44 hours to make my numbers. That is 29.3 contacts per hour for the total operating time. I approached this opportunity as a once-in-a-lifetime offer to be an in-state DXpedition. What a ride it was!

### Bill Mader, K8TE

I had missed both operating and working Week 1 of W1AW/5 New Mexico as I was working on an oil platform in the Gulf of Mexico. As soon as I learned I would be home, I contacted Steve London, N2IC, and he allowed me to join the group. I had operated as W6H for Route 66 On-The-Air earlier that month, so I had a little preparation for the pileups.

Since I was late to the party, I filled in the slots nobody else took, so the QSO rates weren’t all that impressive late at night or early in the morning on 80 CW or 40 SSB. Still, the layers of stations calling were challenging at times. I managed to work 48 states and 54 countries in just short of 4200 contacts — 27% CW and the rest SSB — with just a pair of dipoles at 35 feet and a multi-band vertical. Thanks for all the opportunities!

## W1AW/5 Oklahoma

**Week 1: 2014-01-22 00:00:00 to 2014-01-28 23:59:59**

**Week 2: 2014-08-13 00:00:00 to 2014-08-19 23:59:59**

### Sam Sitton, W5CU

Now that the dust has settled from this unique event, the 20+ stations who activated W1AW/5 Oklahoma are still talking about it. Although each has a personal story to tell, the overriding theme of all stories is, simply put, this was one fun run! Mike Cole, W5TMC, commented, “As a blind amateur I don’t normally throw my hat into the ring, but this time I took this once-in-a-lifetime opportunity to get on the air not only to represent the great state of Oklahoma, but to operate as an icon like W1AW. This will be a fond memory that I will hold the rest of my Amateur Radio career.” Oklahoma DX Association President Gene Lewis, W5LE, noted, “It felt good being the ‘hunted.’ It was an awesome, albeit demanding, event, and everyone involved in organizing it and in making it happen have my strongest admiration.” It’s a unanimous “thumbs up” from the Sooner State. Thanks, ARRL.



Larry Morgan, AG5Z, made about 6600 of the W1AW/5 Mississippi operation’s SSB contacts from his station, mostly on 20 meters. [Sylvia Morgan, KE5YBV, photo]





## W1AW/5 Texas

Week 1: 2014-01-29 00:00:00 to 2014-02-04 23:59:59

Week 2: 2014-09-10 00:00:00 to 2014-09-16 23:59:59

### Chris Terkla, N1XS

Listening to the early pileups and some of the comments had everyone excited as we prepared for the first week of the Texas operation. Most of us had contesting experience, but I do not think we expected what was to come. At 00z we had folks in the chairs at N5RM from all bands up to 40 meters, and everyone was ready to go. Jason Goldsberry, N5NU, was on 15 meters, and a few minutes into it he unplugged his headset to share the pileup with me — it was huge. In the end, we made 36,274 QSOs (almost 200 on the Moon). Rate meters frequently showed rates over 1000 per hour! Everyone did more than could have been expected. Special thanks to George De Montrond, NR5M, for all the work he put into getting things set up and providing such a fine station and hospitality. And to the ARRL for putting this effort forward, and to Dave Sumner, K1ZZ, who as W1AW trustee let us use the most famous call in the world, thanks. It was an honor to operate as W1AW.

### George Fremin, K5TR, and Larry Hammel, K5OT

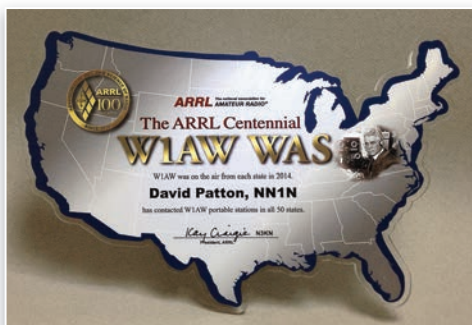
The second week of W1AW/5 Texas was a huge effort, with over 90 ops at 60 different stations scattered across Texas, who contributed over 58,000 QSOs for the week. There were some excellent multiop gatherings, but much of the fun seemed to center on the single ops that jumped in and made QSOs from their home stations. For many, this was their first experience on the other side of a pileup. We enjoyed great coverage on all of the HF bands on CW and SSB, plus significant digital activity and even some satellite contacts.

### Jim Harley, K5JTH

As a little-pistol participant in this once-in-a-lifetime special event, it was an honor to represent W1AW as one of the Texas stations. I worked many DX stations needing the 12 meter WARC band. What initially gave me some nervousness, turned out to be a fun-filled time working quite a few QSOs with my modest station.

*Special thanks to George De Montrond, NR5M, for all the work he put into getting things set up and providing such a fine station and hospitality. And to the ARRL for putting this effort forward, and to Dave Sumner, K1ZZ, who as W1AW trustee let us use the most famous call in the world, thanks. It was an honor to operate as W1AW.*

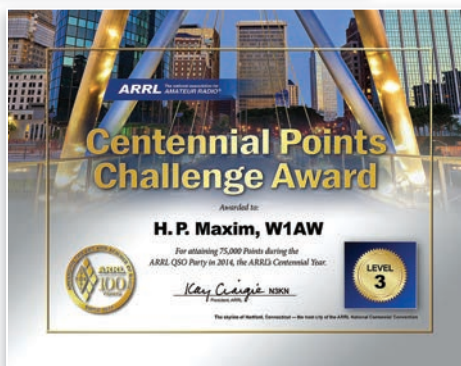
— Chris Terkla, N1XS



Operators who contacted all 50 W1AW/p operations had the option of ordering this commemorative W1AW Worked All States plaque.



Operators who made contact with W1AW/p operations from all 50 states were eligible to receive this W1AW Worked All States certificate. Endorsements were available for contacts with US territories and possessions.



The Centennial Points Challenge was the other focus of on-air activity in ARRL's centennial year. Contacts with ARRL members, staff, and volunteers were worth varying levels of points, from 1 point for an ARRL member, up to 300 points for ARRL President Kay Craigie, N3KN. This certificate was available for four different levels of point totals: Level 1, 1000 points; Level 2, 3000 points; Level 3, 7500 points; and Top Level, 15,000 points.





# W1AW/6

## W1AW/6 California

**Week 1: 2014-02-12 00:00:00 to 2014-02-18 23:59:59**

**Week 2: 2014-10-01 00:00:00 to 2014-10-07 23:59:59**

### Steve Dyer, W1SRD

We had nearly 50 stations from across California participate in the second week of operation. At times we had 10 stations on air simultaneously. In the end, we put over 48,000 QSOs in the log from all over the globe. We brought newbies together with seasoned contesters. Hardcore CW ops sat down with RTTY ops, and a few even learned what a mic is. We covered most modes and almost every band. Everyone had a blast. It was an honor to be the coordinator and more fun than should be legal to be a station host and operator for W1AW/6. I took a week of vacation and it was worth every second. Thanks to everyone at ARRL for this once-in-a-lifetime opportunity.

### Jeff Davis, NØDY

The team at San Diego club station NX6T operated the second week of W1AW/6 California. As a special bonus, the week selected for W1AW/6 operations included the weekend of the ARRL DX CW contest. Normally, Dennis Vernacchia, N6KI, does all the coordination for contests and events at NX6T. However, Dennis would be out of town that week, so he asked if I would coordinate the operators for the event.

Dennis and John Rotondi, WA2OQB, offered to help set up the station for the event. We decided to set it up in a multi-2 configuration, with two independent operating positions, each with an Elecraft K3, a P3 panadapter with SVGA monitor, an Acom 2000 linear, and the ability to select any of the available antennas (two three-element SteppIRs, two two-element 40 meter Yagis, an inverted V each for 80 and 160 meters, and a receive loop antenna).

We started operations at 4 PM on Tuesday, February 11 (0000Z Feb 12). The wall of sound from so many callers was a complete thrill! It was amazing to see the pileup on the panadapter display. Starting about 1 kHz up from my transmit frequency was what appeared to be an S9+ signal varying from 5 – 10 kHz wide. The pileup was really well behaved and we were giving out W1AW/6 at a rapid clip. Band conditions were wide open and we had callers from Asia, North and South America, Europe, and Oceania all at the same time. What a rush!

It was a great week. All of the ops did a great job. Between the all-nighters during the ARRL DX CW contest and my brain refusing to shut off with all the excitement, I got very little sleep during the week. It was worth it! Final tally for W1AW/6 California Week 2: 6115 QSOs, of which 3627 were on CW, 2004 on phone, and 484 on RTTY.



Rob Griffin, K6YR, operated PSK during the W1AW/6 California event. [Dave Bell, W6AQ, photo]



Dave Bell, W6AQ, operated PSK during the W1AW/6 California event. [Rob Griffin, K6YR, photo]



# W1AW/7



## W1AW/7 Arizona

Week 1: 2014-03-12 00:00:00 to 2014-03-18 23:59:59

Week 2: 2014-08-27 00:00:00 to 2014-09-02 23:59:59

### Ned Stearns, AA7A

For Week 1, I enlisted operators from three DX clubs, the local contest club, a public safety communications support organization, and four local clubs. To a person, they all enjoyed the experience. The contesters ripped off Qs like they were in a week-long sprint, the DXers found the paths to EU and JA and made huge runs, and then a lot of other folks had the time of their life signing the W1AW call sign and running the biggest pileup they ever saw. I got nothing but great comments from every single operator.

## W1AW/7 Idaho

Week 1: 2014-03-05 00:00:00 to 2014-03-11 23:59:59

Week 2: 2014-09-24 00:00:00 to 2014-09-30 23:59:59



John Wilson, KØIP, put this tower trailer his driveway to be ready to operate as W1AW/7 Idaho. [John Wilson, KØIP, photo]

### Scott Tuthill, K7ZO

Our approach of assigning an operator to a given band and mode for the whole week really created a commitment from our team. Will Baber, WJ9B, took his 20 meter CW assignment so seriously that he was on the air for 68 hours during the week, making 4000 QSOs. Rod Greene, W7ZRC, also made more than 4000 QSOs that week. Our most surprising QSO was made by Jim Kornacki, KG7E, who said: "Right in the middle of the 10 meter pileup I got called by W1UBM — my mom! I don't think she's been on HF since the 1960s. I guess one of her friends in Connecticut had worked me and told her that I was on, and she went to his house and gave me a call. I about fell out of my chair."

### John Wilson, KØIP, and Mike Saville, K7CF

What a great time to be a ham! The bands were alive with activity. Here in Idaho we had 46 operators that produced 71,000 Qs. For a state with a small ham population, we really poured on the steam, scoring 18th in the nation. Working those pileups had to be one of our top ham radio experiences. This event proved there's still magic in ham radio.



John Knapp, KD7HGS, operating 12 meter digital from his trailer parked at a campground in the desert. A PSK31 operator, John made his first-ever RTTY contacts as W1AW/7 Idaho. [John Knapp, KD7HGS, photo]



## W1AW/7 Montana

Week 1: 2014-06-18 00:00:00 to 2014-06-24 23:59:59

Week 2: 2014-12-10 00:00:00 to 2014-12-16 23:59:59

### Lahra Svare, KT9X

The W1AW/7 Montana summer session took place at the home of Lahra Svare, KT9X, and Dave Svare, N9DRS, in Clarkston, Montana. Although Don Godward, N7FLT, and Lahra, KT9X, each operated separately, we also joined forces with first time “contester” Dave, N9DRS. We had a great time and took turns operating, logging, and running for refreshments. We really enjoyed operating as W1AW/7 for this event. We made contacts all over the world and across the nation. Our Montana group had a good schedule of operators, set up by Fred Cady, KE7X, and Matt Trott, K7BG, and our own website to help with scheduling and keeping us all organized.

### Doug Smith, W7KF

The W1AW/7 Montana Week 2 operation had begun on Tuesday evening, Montana time, and by Thursday morning I hadn't yet had time to make much of a contribution. There was no one scheduled to take the 17 meter CW slot at 1600Z, so I thought I'd give it a listen.

I tuned around the band while the amp was warming up and didn't hear much. I called CQ and was met with dead silence. I tried again — still, nothing. I tried a third time, and...

And what was that?! It sounded like a solid tone at 700 Hz. The S meter read S9 +30. I could tell it was CW but there was so much of it I couldn't make out anything. Hands trembling a bit, I reached over to the key and sent a single “?”

The roar was overwhelming! It was a cacophony of CW and it was pointed directly at me! There had to be a hundred signals, all exactly zero beat on the frequency. Then, a savvy op at the far end of this unmanageable pileup moved about 100 Hz off frequency and dropped in his call at 40 WPM. IK6FWJ — I worked him and put him in the log.

The pileup was enormous and it was taking forever to pick out a single call. I indicated that I would be listening up, and sure enough the pileup started moving up the band. The pileup was more than 5 KHz wide! I started picking out calls much faster. The rate meter started to climb, staying over 140 contacts per hour with occasional bursts to 240 per hour.

I've been on the air for 50 years and have had many memorable moments, but the greatest honor was being able to sign the call W1AW. I sent it many times by hand just to know what it felt like — to connect with The Old Man himself. I put 2414 QSOs in the W1AW/7 log from Montana. Thanks to every one of you; it truly was my pleasure.

### Matt Trott, K7BG

Back in 2013 Dave Patton, NN1N, asked me if I would be interested in being in charge of getting some hams on the air for one of the two Montana weeks to celebrate the 100th birthday of W1AW. I thought at the time that I could get some guys to get on and make a few thousand QSOs to honor the celebration. I had no idea what I was getting into! Thank goodness Fred Cady, KE7X, had Week 1 of W1AW/7 Montana. He put in place all the pieces that made our second outing go smooth as silk.

We had a phenomenal group of operators, and made over 40,000 QSOs each of our weeks, which is truly remarkable when you consider our ham population relative to other states.

Thanks to Dave, NN1N; Joe Carcia, NJ1Q; Dave Sumner, K1ZZ, and all others who put on this QSO party of all QSO parties. It won't soon be forgotten. Hiram would be proud.



Lahra Svare, KT9X, operating 10 meter SSB for the first week of the W1AW/7 Montana event, in June 2014. [Dave Svare, N9DRS, photo]



Todd Gahagan, WA7U, said of Week 2 of the W1AW/7 Montana operation, “It wasn't a hurried operation, which made it a lot more enjoyable than the regular contest scenario. At times the roar of stations was daunting, but everyone was polite and I worked them as fast as I could. I was surprised at the number of QRP stations and mobile stations. I've been licensed for 38 years and this is truly my most memorable experience.” [Gina Gahagan, N7BJS, photo]





Ten-year-old Sam Case, KG7HBY, operated his first special event station and maintained rates of more than 100 per hour. He is flanked by his dad Rod Case, KD7QXO, who provided encouragement and sat back once Sam was comfortable with copying calls, which didn't take long. [Tom Taormina, K5RC, photo]



The opening bell for Week 1 of W1AW/7 Nevada, with all three operating positions at W7RN staffed to the max. Each shift had a manager who kept the bands and modes manned efficiently. In this case, it was Kurt Andress, K7NV. Pictured left to right are Ray Bass, W7YKN; Mike Clark, KM9R; Kurt, K7NV (standing); Rick Tavan, N6XI; Matt Thomas, WX5S, and Mike Gibson, KH6ND. [Tom Taormina, K5RC, photo]



Jeff Stai, WK6I (contest manager for the ARRL RTTY Roundup), is simultaneously working RTTY on two different bands. The sign above the US map says "This is not a contest. Get over it!," reminding the operators not to worry about working dupes or chasing multipliers. [Tom Taormina, K5RC, photo]

## W1AW/7 Nevada

Week 1: 2014-04-30 00:00:00 to 2014-05-06 23:59:59

Week 2: 2014-10-22 00:00:00 to 2014-10-28 23:59:59

### Tom Taormina, K5RC

We were fortunate that 4 months of operations had transpired before our first week on the air, giving us a reference for the demand we should expect, the massive pileups, and the band/mode chasers. The strategy for our operations was to use the three operating positions at the Comstock Memorial Station, W7RN. The main station consists of two operating positions with Elecraft K3s set up in SO2R mode, so two bands are active at a time at each position. The third station was designated as the "guest" station. It is a K3 and KPA-500 amplifier. This position operates 160 through 6 meters, CW, SSB, RTTY, and PSK. The operators ranged in skills from WRTC competitor Michael Gibson, KH6ND, to 10-year-old Sam Case, KG7HBY. The core control operators were Tom Taormina, K5RC; Marshall Thomas, WX5S; Kurt Andress, K7NV; Michael Gibson, KH6ND, and Todd Remington, KH2TJ. The operators included Tom, K5RC; Jack Burris, K6JEB; Robert Moore, K6NV; Barry Bettman, K6ST; Kurt, K7NV; Jerome Olive, KD6WKY; Tyrell Jentink, KD7KUJ; Rod Case, KD7QXO; David Phillips, KE4TZ; George Molnar, KF2T; Sam Case, KG7HBY; Todd, KH2TJ; Fred Sakai, KK6EOR; Thomas Porada, KK7YW; Daniel Baker, KM6CQ; Mike Clark, KM9R; Joel Martin, KQ1N; Thomas Johnson, KQ6DV; Saraj Cory, KU6F; Monte Stark, KU7Y; Robert Maguire, N6GTO; Richard Eversole, N6RNO; Thomas Streenan, N7AC; Stanley Brokl, N7YQ; Thomas McShane, NW6P; John Litz, NZ6Q; Gordon Milldrum, WB6JAD; Craig Montague, KJ6PKU; Henry Garretson, W6SX; John Hagerty, W6UQZ; Robert Kirk, W7IND; Nicholas Manzo, W7NIK; Ralph Covington, W7SK; Raymond Bass, W7YKN; Jeff Stai, WK6I; Marshall, WX5S; James Duffy, W6EU; Alan Eshleman, K6SRZ; Michael Miles, KF7EGU; Bob Richards, KJ6UPL; Rosalyn Rich, AE6WT; William Keane, WB6CZG, and Midge Taormina, K7AFO, in the kitchen. We concluded with a little over 30,000 QSOs and a memorable experience for all.

## W1AW/7 Oregon

Week 1: 2014-04-02 00:00:00 to 2014-04-08 23:59:59

Week 2: 2014-09-03 00:00:00 to 2014-09-09 23:59:59

### Bob Norin, W7YAO, and Bill Vanderheide, N7OU

Bob Norin, W7YAO, coordinated W1AW/7 Oregon

Week 1 operation with operators from the Central Oregon DX Club. Bill Vanderheide, N7OU, managed the Week 2 operation under the banner of the Willamette Valley DX Club. All together, 65 operators from 17 Oregon

counties participated, making over 79,000 QSOs with 148 DXCC entities. About 45 percent of the contacts were on SSB, 40 percent on CW, and 15 percent on digital modes. Fewer than half of the operators had previous contest or DXpedition experience, but afterwards all could claim they had the thrill and spotlight of handling the massive pileups while sending the legendary W1AW call sign and celebrating the 100th Anniversary of the ARRL. Our sincere thanks to the ARRL for making this a once-in-a-lifetime experience for us!





## W1AW/7 Utah

**Week 1: 2014-01-08 00:00:00 to 2014-01-14 23:59:59**

**Week 2: 2014-07-02 00:00:00 to 2014-07-08 23:59:59**

**Jack Friend, AK7O**

This was the most exciting event in my 54 years of ham radio. The amazing thing to me was that 75 W on an inverted V with peak height at 50 feet and tails at 20 feet or so caused a commotion on 40 meters CW in Japan! I called CQ and had half of Japan calling me. The whole event was like being a rare DX country on the receiving end of monster pileups.

Making almost 1000 contacts with hams all over the world as W1AW/7 Utah is a highlight of my ham radio experience. Thank you to the folks at ARRL for making this possible!



## W1AW/7 Washington

**Week 1: 2014-02-26 00:00:00 to 2014-03-04 23:59:59**

**Week 2: 2014-11-05 00:00:00 to 2014-11-11 23:59:59**

**Mark J. Tharp, KB7HDX**

Coordinating Week 2 of the W1AW/7 Washington operation was the most fun I have ever had and most likely ever will have in Amateur Radio. It was great to be able to offer this once-in-a-lifetime chance to “be the DX” to so many of the great amateurs we have in Washington. We used an online, real-time schedule that allowed the operators to jump on when they had extra time during the week, and that was, in my opinion, one of the reasons for our high Q total. For the week, we ended up with a raw total of 47,343 contacts. Thirty-eight stations were on the team, including Rob Zielke, AE7NR; Alan Rovner, K7AR; Richard Swanson, K7BTW; Jim Pace, K7CEX; Gary Swartout, K7GS; James Hadlock, K7WA; Jim Fenstermaker, K9JF; Jim Hooper, K9QJS; Randy Stagers, K9VD; Mark Tharp, KB7HDX; Thomas Plaisance, KC7PH; Chuck Williams, KI7DG; Michael Maden, KK7UF; Don Jones, KO7I; Richard Smith, KT7G; Paul Baldock, KW7Y; Grant Saviers, KZ1W; Dan Drath, N6AU; Richard Olsen, N6NR; Bob Lee, N7AU; Frederick Laun, N7KRN; John McCann, N7MZ; Douglas Ferguson, N7NM; Michael Dinkelman, N7WA; Dean Holtan, N7XS; Brian Nielson, W7BJN; Mike Judy, W7CCY; DRØNK Radio Northwest, W7CNP; Donald Calbick, W7GB; Ronald McCollum, W7GTF; Robert Johnson, W7LRD; Ward Helms, W7SXM; Herbert Holeman, W7ZF; Charles Ray, WA7LT; Dave Klimas, WD7K; Curt Black, WR5J; Guy Driver, WR7K, and Jay Townsend, WS7I. Combined with the station owners, 99 people participated and were on the air as W1AW/7 Washington during the week.



**Eric Jarvi, AD7F (right), and his son Michael, KG7GEV, operating RTTY as W1AW/7 Washington. [Mark Tharp, KB7HDX, photo]**

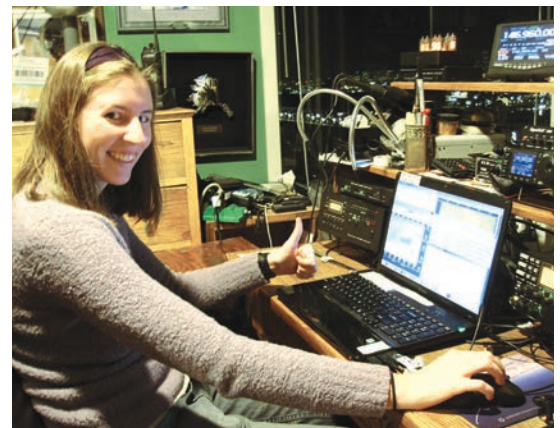
## W1AW/7 Wyoming

**Week 1: 2014-05-28 00:00:00 to 2014-06-03 23:59:59**

**Week 2: 2014-10-29 00:00:00 to 2014-11-04 23:59:59**

**Walt Marshall, W7SE**

W1AW/7 Wyoming was a rewarding experience for everyone involved. Wyoming has fewer licensed hams than any other of the lower 48 states, so it was a real challenge to find enough operators. Eventually, 17 operators volunteered. We had tremendous help from Colorado operators who travelled to Wyoming for the event: the “Wild Bunch,” Wyoming Colorado Amateur Radio Club WC7WB, from Greely, and Bob Neece, KØKR, from Boulder. Several members of Team Wyoming had limited contesting experience, but quickly and successfully learned how to use their stations and logging software to provide more than 50,000 QSOs from the Cowboy State.



**Monica Fredrickson, KG7GWD, operating W1AW/7 Washington on a night shift for 20 meter RTTY, mostly talking to Japan. [Curt Black, WR5J, photo]**





# W1AW/8



Dave Roberts, K8RDG, making contacts from the W1AW/8 Michigan operation at K8PGJ. [Pete Gladysz, K8PGJ, photo]

## W1AW/8 Michigan

Week 1: 2014-02-19 00:00:00 to 2014-02-25 23:59:59

Week 2: 2014-10-15 00:00:00 to 2014-10-21 23:59:59

### Hank Greeb, N8XX

Six hams from various parts of Michigan went to Hell, an unincorporated byway a few miles north of Ann Arbor, on October 18 to set up a portable Feld-Hell (Hellschreiber) W1AW/8 operation. Feld-Hell is a method of transmitting printed material by “painting letters” on a computer screen. We set up in the Hell Creek Ranch Campground with a 130-foot dipole at about 50 feet between two trees. Operators included Gerry Lerch, K8GGL; Larry Koziel, K8MU, and Hank Greeb, N8XX, with support from Tim Prosser, KT8K; Steve Culp, K8QKY, and John Kosko, K8TCT. We made 61 Hellschreiber contacts from Hell on 10, 12, 15, 17, 20, 40, and 80 meters. One of our most memorable contacts was with John Forslin, KC8ULE, who was operating Feld-Hell mobile in Paradise, Michigan, about 300 miles north of us. When we exchanged weather reports, we found out that Paradise was “colder than Hell” (45 degrees to our 47).



The home station of Pete Gladysz, K8PGJ, was upgraded to a four-station low power M/M for the W1AW/8 Michigan operation. This homebrewed two-element portable beam for 20 meters supplemented Pete’s two two-element SteppiRs, and verticals on 20, 17, and 2 meters, all of which are permanent antennas. [Pete Gladysz, K8PGJ, photo]



Pete Gladysz’s, K8PGJ, homebrewed three-element 10 meter beam and two-element 15 meter beam, erected just for the W1AW/8 Michigan operation. A full-size 80/40 meter dipole was also put up. Operators were Thaddeus Marlin, W8UE; Mark Shaw, K8ED; Jim Richards, AB8JR; Frederick Czubak, WE8P; David Roberts, KD8RDG; Gerry Treas, K8GT, and Pete, K8PGJ. [Pete Gladysz, K8PGJ, photo]



## W1AW/8 Ohio

Week 1: 2014-03-12 00:00:00 to 2014-03-18 23:59:59

Week 2: 2014-08-20 00:00:00 to 2014-08-26 23:59:59

### Joe Pater, W8GEX

My wife Janet Pater, W8CAA, and I operated from John Comella's, N8AA, beautiful station near Hamilton, Ohio. We were surprised at the huge pileups for hours on end. It reminded me of being on Midway, Swains, and Wake Islands. The enthusiasm of people worldwide who wanted to work US stations was amazing. We really enjoyed participating in this event and appreciate John sharing his nice station.



## W1AW/8 West Virginia

Week 1: 2014-01-01 00:00:00 to 2014-01-07 23:59:59

Week 2: 2014-10-22 00:00:00 to 2014-10-28 23:59:59

### Hal Turley, W8HC

I consider it an honor that Dave Patton, NN1N, asked me to coordinate the second week of the West Virginia operation. I feel that we did an admirable job of representing the ARRL as well as the Mountain State! We exceeded our goal of 30 – 35,000 QSOs, and, perhaps more importantly, we had 23 operators take part in this event from all corners of West Virginia. They each had a blast and got to experience some incredible pileups and operating runs that usually only come with participating in a DXpedition. I want to acknowledge Clark Stewart, W8TN, for his help with our second week. His assistance and expertise in putting together the infrastructure for communicating with our team was invaluable.



Bart Haynes, WT8V, operating the pileups while Dave Poe, W8IW, looks on. Bart "loaned out" his impressive hilltop station outside of Charleston for West Virginia's second week as W1AW/8 in October. Seven operators participated throughout the week to give out just over 14,000 QSOs. [Hal Turley, W8HC, photo]



WRTC 2014 participant Jim Stahl, K8MR, drove down from Cleveland, Ohio to join the W1AW/8 West Virginia effort for the week at Bart's. Jim contributed nearly 7000 QSOs and also added a second rig to the station and enjoyed the CW pileups. [Hal Turley, W8HC, photo]



# W1AW/9

## W1AW/9 Illinois

Week 1: 2014-06-25 00:00:00 to 2014-07-01 23:59:59

Week 2: 2014-12-03 00:00:00 to 2014-12-09 23:59:59



### Jerry Rosalius, WB9Z

During the second week of the Illinois operation, 57 stations and more than 65 operators participated, making 56,789 contacts. We operated W1AW/9 Illinois from my station for the ARRL 160 Meter Contest, making 1670 contacts. Grant, AA9LC, made 225 W1AW/9 contacts on the satellites.

Just a few of the W1AW/9 Illinois operators: (left to right) Donald Kerouac, K9NR; Carl Schroeder, K9CS; Gary Schwartz, K9GS; Jonathan Rosner, WO9S; Valerie Hotzfeld, NV9L, and Jerry Rosalius, WB9Z. [Donald Kerouac, K9NR, photo]



## W1AW/9 Indiana

Week 1: 2014-07-23 00:00:00 to 2014-07-29 23:59:59

Week 2: 2014-12-10 00:00:00 to 2014-12-16 23:59:59

### Jerry Hess, W9KTP

During Week 1 of the W1AW/9 Indiana operation, I heard a WB2 station calling under a fierce pileup. When I answered, he forgot he was still on VOX and shouted, "I got him, I got him, I got him!" before completing the QSO. Indiana is hardly a big challenge to work normally, and I was proud to answer this very excited and happy ham.

It was really rewarding to see nice comments on the spotting networks and have operators thank us for being there. To all of the stations we worked, we say, "you're welcome." And to the ARRL we say, "thank you" for making such an event possible.

### Mike Kasrich, AJ9C

When Jerry Jendraszkiwicz, KE9I (now a Silent Key), and I were first invited to coordinate/operate as W1AW/9 Indiana, we thought we would take a week off and have at the bands. That idea went away after the first weeks of 2014, when it became apparent that this event was going to be more like a DXpedition to a top 100 needed country. A call to arms was made to hams in Indiana to operate during the third week of July. Luckily, volunteers came from all corners of the state. A new appreciation for what it's like on "the other side of the pileup" now exists in Indiana — along with a few new radiosport enthusiasts. The ARRL stands for a certain standard for competence in operating, and we hoped that as a state we would measure up to expectations. I think we did!



## W1AW/9 Wisconsin

Week 1: 2014-02-12 00:00:00 to 2014-02-18 23:59:59

Week 2: 2014-07-02 00:00:00 to 2014-07-08 23:59:59

### Valerie Hotzfeld, NV9L

I had so much fun being a part of W1AW/9 as both a Wisconsin resident in February and an Illinois resident in December. It was fun working the pileups and “being the DX,” but my favorite part was during my Wisconsin week, when a Girl Scout troop leader asked if I could take turns talking to her girls in the troop. I, too, was a Girl Scout (way back when) and would’ve loved to have been introduced to this hobby at an early age. It’s great knowing that in some small way, I may have touched at least one girl’s life and made a positive impact.



### Denny Berg, WB9MSM

What a wonderful time I had being a member of the W1AW/9 Wisconsin team. The pileups at the beginning were huge! By the very end I think we worked just about everyone who wanted to get W1AW/9 Wisconsin in their log. I was able to get 1571 QSOs in the log during my operating time. I worked 45 countries and all 50 states while activated as W1AW/9 Wisconsin. I am very happy that over 800 of my QSOs were on 40 meters, my favorite band! [Cheryl Berg, N9KUO, photo]

### Lloyd Berg, N9LB

I found it very interesting to see my W1AW/9 Wisconsin operating frequency “spot” put out on the DX Packet Cluster by stations all over the world. It was a real kick to have DX frantically calling me. It is even more interesting to see yourself spotted by ops in Russia, Japan, etc — you DXpeditioners know how that feels.

Band conditions were generally excellent! Near sundown, I worked some Australian Novice “foundation license” operators with their long call signs. They were running 10 W on 10 meter phone. I heard the excitement in their voices — it must have made their day, and they may not have realized it, but they certainly made my day too!

I’ll probably never get the chance to operate from some exotic, rare location as part of a DXpedition, but this came pretty close.



Lloyd Berg, N9LB, ready to tackle the pileups.  
[Bonnie Berg, W9BJB, photo]



Lloyd Berg, N9LB, operated as W1AW/9 Wisconsin during both weeks. He used all the towers and antennas pictured here to make contacts on all bands, 160 meters through 2 meters. [Lloyd Berg, N9LB, photo]



# W1AW/Ø

## W1AW/Ø Colorado

Week 1: 2014-05-21 00:00:00 to 2014-05-27 23:59:59

Week 2: 2014-09-10 00:00:00 to 2014-09-16 23:59:59



### Paul Veal, N0AH

In the first week of the W1AW/Ø Colorado operation, I set up at the STEM School and Academy, a charter school in Highlands Ranch, Colorado that is devoted to science, math, engineering, and technology. I'm a volunteer instructor at the STEM Academy after-school program, and a graduate of ARRL's Education & Technology Program (ETP). I received an ARRL ETP grant that allowed me to purchase equipment. This W1AW/Ø operation at the school was the school's first-ever radio event.

**Paul, N0AH (seated), demonstrated Amateur Radio to about 80 students and helped several students get on the air as W1AW/Ø. They made about 70 contacts and had a lot of fun! [Ron Coffee, KDØTRY, photo]**



**Eduardo Carvalho, KC8R, of Clive, Iowa is shown using his FLEX-6300 into an attic dipole during the second week of the W1AW/Ø Iowa operation. [Photo courtesy of Eduardo Carvalho, KC8R]**

## W1AW/Ø Iowa

Week 1: 2014-03-26 00:00:00 to 2014-04-01 23:59:59

Week 2: 2014-12-24 00:00:00 to 2014-12-30 23:59:59

### Bob Lee, W0GXA

Leading up to the W1AW/Ø Iowa event, the Number One concern among the casual operators who had volunteered was, "Will my 100 W and wire antennas be good enough?" Of course I answered "yes," and I was proved right. We had operators with 100 W into attic antennas — even one guy running just 12 W — all the way up to big contest/DX stations. We had 43 operators at 35 stations active in the second week of the event, making 35,000 QSOs, including dupes. Everyone turned in great numbers, had good on-the-air reports, and had a lot of fun.

## W1AW/Ø Kansas

Week 1: 2014-02-26 00:00:00 to 2014-03-04 23:59:59

Week 2: 2014-11-05 00:00:00 to 2014-11-11 23:59:59

### Bruce Frahm, K0BJ

In the opening hour of W1AW/Ø Kansas Week 1, I planned to open up on RTTY. I gave enough thought to wording my buffers that I had a "TNX 73 W1AW/Ø LISTENING UP" message, in the event simplex calls got too deep. That was a good move, as I did get quite a few callers and used my QSX alternate to the normal F3 signoff.

I was logging with *NIMM*, using the MMTTY RTTY engine. As much thought as I put into my run mode buffers, it never occurred to me that I should work on the search-and-pounce buffers. When I went split, I wrote my transmit frequency to my FT5000's B VFO and tuned the pileup with the A VFO. This had the effect of switching my mode to search-and-pounce if I moved the VFO more than a couple hundred hertz. I found myself with a hungry pileup eager to work me, but frequently I'd accidentally sign "TNX DE K0BJ QRZ." My solution, until that first 2-hour stint was over and I could rewrite the search-and-pounce buffers, was to toggle-click the "S&P/Run" button any time I QSYed the receive VFO.

Later, out of the firing line, I discovered the checkbox where you can tell *NIMM* to "Always Run" regardless of VFO changes!





## W1AW/Ø Minnesota

Week 1: 2014-01-29 00:00:00 to 2014-02-04 23:59:59

Week 2: 2014-06-11 00:00:00 to 2014-06-17 23:59:59

### Bill Lippert, ACØW

The following individuals and stations helped activate Week 1 of W1AW/Ø Minnesota, making a total of 20,661 contacts: Douglas Nelson, AAØAW; Bill Lippert, ACØW; Alan Dewey, KØAD; Les Hittner, KØBAD; Greg Widin, KØGW; West Central Minnesota Amateur Radio Club, KØLQP; Scott Wright, KØMD; Roger Roth, KØMPH; Patrick Cain, KØPC; Robert Chudek, KØRC; Vincent Pavkovich, KØSIX; Charles Chirhart, KØSV; Daniel Karg, KØTI; Glen Overby, KCØIYT; Len Litvan, KCØRSX; Adam Bjorklund, KCØOUZ; Tom Peterson, KC9ECI; Deborah Walter, KC9WIE; Jack Winter, KDØEMJ; Peter Ebertowski, KDØYOB; Dan Alwin, KEØG; James Fielder, KEØL; Matt Burt, KFØQ; Mike Mullen, NØBUI; Richard Westerberg, NØHJZ; Ken Spittler, NØJP; Kirk Pengelly, NØKK; Richard Roberts, NØUC; James Lageson, NØUR; Linden Hall, NØUV; Frank Karnauskas, NIUW; Rolf Krogstad, NRØT; Patrick Morgan, WØERP; Matt Genelin, NØYNT; Richard Clem, WØIS; Mark Oswood, WØLM; The Mining Amateur Radio Club, WØMR; Laurence Menzel, WØPR; Jonathan Platt, WØZQ; John Lyon, W9LHG; Mark Endorf, WAØMHJ; David Steinberg, WAØRKE; Edwin Andera, WBØENX; Erik Brom, WBØNIU; Edward Jacobson, WBØVHF, and Daniel Franz, WDØGUP.



Bob Seaquist, KC9IWE; Peter Ebertowski, KDØYOB; Matt Burt, KFØQ; Tom Peterson, KC9ECI; Ken Spittler, NØJP (lower left), and Les Hittner, KØBAD (lower right) were just a few of the operators of W1AW/Ø Minnesota, Week 1. [Photo courtesy of Matt Burt, KFØQ]

## W1AW/Ø Missouri

Week 1: 2014-05-28 00:00:00 to 2014-06-03 23:59:59

Week 2: 2014-10-08 00:00:00 to 2014-10-14 23:59:59

### Doug Tombaugh, N3PDT

When I was asked to be a CW operator for W1AW/Ø, I was honored and floored. I've had my ticket for only 5 years. During Week 1, I took shifts I thought wouldn't be too crazy, mostly on WARC bands, and I ended up sending every dit by hand on a bug at about 21 WPM. Over the summer I practiced with a new keyer and *NIMM Logger* until it became second nature. When Week 2 rolled around, I was ready — my numbers and rates leapt astonishingly. W1AW/Ø is the operating highlight of my short amateur career and I know I'll continue to cherish the experience years from now.

### Ward Silver, NØAX

We were very fortunate to have weeks of good propagation to everywhere in the world for our operation. Having been on DXpeditions, I can attest that the pileups were just as big and snarly for W1AW/Ø in Missouri as for any island. This was truly a historic event and a real treat for every one of our state's operators to participate, support the ARRL during its Centennial, and use the most famous call sign in all of Amateur Radio. Many thanks to my partner in crime, Mitch Odneal, NWØM, who helped organize our operations and handled the precious cargo in all of our logs without a single slip.

*I activated W1AW/Ø Missouri on JT65 — wow, what a pileup! I never had seen such a big pileup on JT65 before, it was station after station after station. Even on such a slow mode (transmissions each take about 1 minute), it was a lot fun.*

*— Jacob Nagel, ADØJA*



George Pease, KCØGP, had the privilege of operating with his 2-year-old grandson, a bundle of energy and excitement, who "helped" log the contacts. [Bruce Bielby, KDØVMM, photo]



## W1AW/Ø Nebraska

Week 1: 2014-01-15 00:00:00 to 2014-01-21 23:59:59

Week 2: 2014-05-07 00:00:00 to 2014-05-13 23:59:59

Jim Shorney, NUØC

I was honored to be asked to join the W1AW/Ø Nebraska team and operate from Reynolds Davis', KØGND, contest station. That was tons of fun! They did not have to ask twice if I wanted to do the second week as well! Thanks again for coming up with the Centennial QSO Party. If the intention was to get people active again, it sure worked in my case!



Matt Holden, KØBBC, and Dave Fugleberg, WØZF, were part of a contingent of Minnesota ops who helped augment the number of W1AW/Ø North Dakota ops. [Bill Mitchell, AEØEE, photo]

## W1AW/Ø North Dakota

Week 1: 2014-04-16 00:00:00 to 2014-04-22 23:59:59

Week 2: 2014-08-20 00:00:00 to 2014-08-26 23:59:59

Lynn Nelson, WØND

While giving out W1AW/Ø North Dakota, the pileups were unreal! The band was just a blur of calling stations from all over the world. Not only would you have to go to split frequency, you would have to divide the contacts up by call area and DX part of the world. I never thought there were so many stations wanting North Dakota! It was fun and exciting to bring contest-style operating to Amateur Radio operators who had never experienced contesting before. Some loved it and others got flustered and had to slow things down to make heads or tails of the stations calling. All in all, the North Dakota hams that tried it, loved it — and asked when something like this was going to happen again!



Roger Roth, KØMPH, from Minnesota, put in some time on the W1AW/Ø North Dakota operation. [Bill Lippert, ACØW, photo]





Minnesota ops Bill Mitchell, AEØEE; Dave Fugleberg, WØZF, and Matt Holden, KØBBC, took a field trip to North Dakota to help with the W1AW/Ø operation there. [Bill Mitchell, AEØEE, photo]

## W1AW/Ø South Dakota

**Week 1: 2014-05-14 00:00:00 to 2014-05-20 23:59:59**

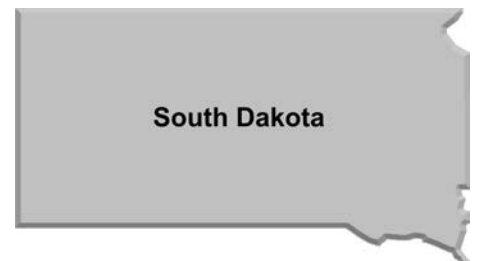
**Week 2: 2014-07-30 00:00:00 to 2014-08-05 23:59:59**

### Ed Gray, WØSD

Todd Dravland, WDØT, was the coordinator for Week 1 and Ed Gray, WØSD, was the coordinator for Week 2. Donald Schwemle, AAØF, helped with planning and coordinating, and Jim Zahradnicek, KDØS, also helped with planning as well as submitting logs.

The operators included Todd, WDØT; Jim, KDØS; Richard Donahue, KØPIR; Ed, WØSD; Gary Slagel, KTØA; Joseph Brown, WØDB; Donald, AAØF; William Kerker, KMØF; Scott Nurnberg, NØOTJ; Jack Headley, WAØJH; Marv Olnes, NØMHL; Fred De Roos, WAØGMH; James Schnaidt, KJØM; Bill Nixon, WØEJ; Bruce Brazelton, W8MHW; Brian Adam, AEØP; Tony Buss, KBØWSW; Mark Holland, KDØEE; Tauno Olson, KBØKBJ; Aaron Locker, ADØBN; Scott Bentz, ADØDN; Dustin Schnabel, KDØQYR; William Spreitzer, KCØDAS; William Peacock, NØARU; William Jennewein, KØWIU, and Arliss Thompson, W7XU.

We made contacts on all bands, 160 meters through 2 meters. Our goal for each week was 30,000 contacts, which we exceeded for each week. Everyone agreed it was once-in-a-lifetime experience and was pleased that they had been a part of it.





# W1AW/KG4

## W1AW/KG4 Guantanamo Bay

2014-02-22 00:00:00 to 2014-03-04 23:59:59

### Bill Verebely, W4WV/KG4WV

Fred Kleber, K9VV, a coordinator for the W1AW operations that included Guantanamo KG4, had asked if there was any possibility that the W1AW/p event could be done from Guantanamo. Fred had been told that the Navy does not issue portable call signs, but after many discussions with the GTMO Navy brass about how the ARRL and its members have helped people all over the world during troubled times, and how the ARRL was celebrating 100 years of existence and service to our nation, the powers that be issued portable call sign W1AW/KG4 for 1 week only. Also Ed Williams, KN4KL, and Bill Verebely, W4WV/KG4WV, had to agree that they would only transmit the W1AW call within the bands that were allowed in the US. Guantanamo has expanded band privileges on some bands.



Ed Williams, KN4KL/KG4KL, and Bill Verebely, W4WV/KG4WV, in front of the Guantanamo Bay Amateur Radio shack. [John Dempsey, KG4EM, photo]



Ed, KG4KL (right), shakes the hand of Navy JAG Officer Frank Gatto, KG4ZD/AF5PM upon Frank upgrading from General to Amateur Extra. At the end of the W1AW/KG4 operation, Ed took time out from operating to administer Frank's exam. [Bill Verebely, KG4WV, photo]

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*— Bill Verebely, W4WV/KG4WV*





# W1AW/KH2

## W1AW/KH2 Guam

2014-03-19 00:00:00 to 2014-03-25 23:59:59

Dave Mueller, KH2/N2NL

Our team of operators had an amazing time operating W1AW/KH2 Guam, and in all cases exceeded the goals we'd set. From the feedback I've seen, it appears that we did a good job meeting demand, which was huge, and ensuring that as many as possible got at least one contact with W1AW/KH2 while providing several additional band/mode opportunities for the points chasers.

I made a total of about 13,500 QSOs. Average rate for the entire week was 154 QSOs/hour. My 1-week QSO total as W1AW/KH2 is about one-third the size of my KH2/N2NL DXing log, which contains four years of QSOs.

Our group of operators was very small. Ed Poppe, KH2L, made all the RTTY contacts and knocked out a lot of QSOs on both CW and SSB on 10 – 40 meters. Joel Chalmers, KG6DX, being somewhat band restricted with two monobanders, had 15 meter CW and SSB all to himself, as well as 6 meters. Danny Pobre, KH2JU, held down the fort for us on 20 and 40 SSB, as well as contributing to our 10 meter SSB total. Cord Harris, NH2KD, is a relatively recently licensed ham and new ARRL member. With 100 W and a dipole at 30 feet, he made all our PSK QSOs.

We made a grand total of 26,636 contacts, with 16,566 of them on CW, 7906 of them on SSB, 958 on RTTY, and 702 on PSK (combined 31/63/125). Thanks to Dave Patton, NN1N, and David Sumner, K1ZZ, and to the whole ARRL crew for the opportunity!



*From the feedback I've seen, it appears that we did a good job meeting demand, which was huge, and ensuring that as many as possible got at least one contact with W1AW/KH2 while providing several additional band/mode opportunities for the points chasers.*

*— Dave Mueller, KH2/N2NL*



# W1AW/KH6



Stan Froseth, AH6KO, operating at KH6LC as W1AW/KH6. [Lloyd Cabral, KH6LC, photo]

## W1AW/KH6 Hawaii

Week 1: 2014-02-05 00:00:00 to 2014-02-11 23:59:59

Week 2: 2014-12-17 00:00:00 to 2014-12-23 23:59:59

### Bryan Buck, WH7DX

I live on the island of Oahu just outside of Waikiki in Hawaii. I was first licensed in November 2011, and I've been having a great time ever since. I had just started digital earlier in the year and it turns out that was a perfect area for me to participate. I've done quite a few digital contests over the last year, but this was completely different. I was able to work all over the world and enjoyed quite a bit of good long path openings, both in the morning to the west and the night to the east on the higher bands like 10 and 12 meters. I worked about 50% NA, 25% Asia, and 25% EU and others. It was a nice balance and the other operators were patient and didn't step all over each other. I thank everyone for their contacts to Hawaii, their patience along the way, and the excitement of working with this special anniversary.

KH7Y, the station of Fred Honnold, now K6IJ, was on the air as W1AW/KH6. Its location at South Point on the Big Island of Hawaii makes it the southernmost Amateur Radio station in the US. [Fred Honnold, K6IJ/KH6, photo]







Bob Schneider, AH6J, Pacific Section Manager, operating at KH6LC as W1AW/KH6. [Lloyd Cabral, KH6LC, photo]

*I worked about 50% NA, 25% Asia, and 25% EU and others. It was a nice balance and the other operators were patient and didn't step all over each other. I thank everyone for their contacts to Hawaii, their patience along the way, and the excitement of working with this special anniversary.*

— Bryan Buck, WH7DX

### Lloyd Cabral, KH6LC

The Hawaii contingency consisted of 13 stations with about twice that many ops. Our February and December groups were about the same size, and generally the same people. Some operated one specific mode while others switched between modes. Having such diversity was a real blessing, as it allowed our small group to occasionally have signals on six to eight band-modes at the same time.

As the Coordinator, I'd like to personally thank all the Hawaii participants, their families, their loved ones, and at least one op's employer, who let him have the week off to operate.

It was their sacrifice and effort that allowed our small group of Hawaii stations to make a decent showing. We'd also like to thank everyone who worked us, or tried to. We spread our limited resources around and did the best we could for you. We hope you had as much fun as we did.



Lloyd Cabral, KH6LC (foreground), and Rob Van Geen, NH6V, operating KH6LC as W1AW/KH6 Hawaii. [Curt Knight, AH6RE, photo]



# W1AW/KH8

## W1AW/KH8 American Samoa

2014-11-02 00:00:00 to 2014-11-18 23:59:59

Mike Goode, N9NS

The W1AW/KH8 American Samoa team experienced an unusual setback. John Kennon, N7CQQ; Pete Meyer, NØFW, and myself had sent boxes of gear via US Postal Service Priority Mail to ourselves in Samoa, prior to our arrival. Priority Mail is supposed to take no more than 3 days to arrive, but we assumed it could take longer, so the packages were mailed in early October to arrive well in advance of our October 31 arrival.

When we arrived at the resort, John's box and mine were there, but Pete's was nowhere to be found. Pete was doing the low-band work for us and had brought a Battle Creek Special antenna for transmitting. For receive antennas, he had shipped in the box all the transformers, preamps, and wire to build several Beverages. The resort staff did not recall a third box arriving, so we decided it must still be at the Post Office. Because we arrived late on a Friday night, we had to wait until Monday to check.



On Monday, the box could not be found. Pete tracked the package and was told it was in Richmond, California to be shipped via barge! That left the Battle Creek Special doing double duty as our receive antenna. Fortunately, local noise levels were not too high and Pete had reasonable success. But it was often a struggle to pick out call signs, and there is no doubt we could have made more QSOs had we had the Beverages.

When Pete returned home, he got in touch with a Postal Investigator in Honolulu, who explained that although he had paid the Priority Mail rate, the stamp on the box was Parcel Post! It arrived in Pago on November 18, 3 days after we had left and over 6 weeks after it had been mailed.

Pete made arrangements to have the box returned to him, and it arrived at Pete's Cincinnati QTH on November 29. Everything inside was intact. Pete adds, "I guess I got good value since I paid \$64.95 postage. In terms of distance per dollar, that's a real bargain."

*When Pete returned home, he got in touch with a Postal Investigator in Honolulu, who explained that although he had paid the Priority Mail rate, the stamp on the box was Parcel Post! It arrived in Pago on November 18, 3 days after we had left and over 6 weeks after it had been mailed.*

*— Mike Goode, N9NS*





# W1AW/KHØ

## W1AW/KHØ Northern Mariana Islands

2014-10-08 00:00:00 to 2014-10-21 23:59:59

### Yutaka Sakurai, JF1LZQ

W1AW/KHØ operated from The Radio Space of Tinian (RST) on Tinian Island, part of the Northern Mariana Islands located to the south of Saipan. It takes approximately 10 minutes to arrive via a small plane from Saipan. The operation was divided into two separate week-long phases, with two separate teams of operators. The Tinian operation made 27,000 contacts — 22 % North America, 33% Europe, 39% Japan, and 6% other locations; 41% CW, 39% SSB, and 20% RTTY.



The team of operators for the second week of the W1AW/KHØ operation included Takao Kumagai, KHØAM/JE1CKA; Seiji Fukushima, AHØR/JH6RTO; Harumi Kukita, W2OA/JR4OZR; Yutaka Sakurai, WS2Y/JF1LZQ; Mihoko Sakurai, WS2M/JJ2VLY, and Ed Poppe, KH2L. [Seiji Fukushima, JH6RTO, photo]



The shack at Tinian Island is known as Radio Space of Tinian (RST). [Mihoko Sakurai, JJ2VLY, photo]



Yutaka Sakurai, W2OA/JR4OZR, pauses mid-pileup to show some DX spirit. [Mihoko Sakurai, JJ2VLY, photo]



The W1AW/KHØ Northern Mariana Islands Week 1 team, from left to right: Hiromitsu Harada, AHØAA/JR2SCJ; Junichi Ohashi, N2XF/JF2XGF; Hajime Nakamura, KG8RP/7K4QOK, and Katsumi Yoshinuma, AHØJ/JA1NVF. [Hiroshi Ohno, JQ2IQW, photo]





# W1AW/KL7



## W1AW/KL7 Alaska

**Week 1: 2014-06-18 00:00:00 to 2014-06-24 23:59:59**

**Week 2: 2014-10-01 00:00:00 to 2014-10-07 23:59:59**

### Corliss Kimmel, AL1G

I participated in Week 1 of W1AW/KL7 Alaska from both KL7RA in Nikiski and my home station, as well as Week 2 from KL7RA. Rich Strand, KL7RA, was kind enough to allow me to bring my two disabled cats Zepp and Scooter with me in October. I even had little Scooter in my lap or nearby in a tub while I was on the air!

**Corliss Kimmel, AL1G, operating as W1AW/KL7 Alaska. [Corliss Kimmel, AL1G, photo]**



# W1AW/KP2



## W1AW/KP2 Virgin Islands

**2014-10-29 00:00:00 to 2014-11-04 23:59:59**

### Fred Kleber, K9VV/KP2/NP2X

The W1AW/KP2 Virgin Islands operation is now history. To summarize it in a single word, “wow” most definitely applies. We had a dozen operators who operated from 10 stations. Thanks to all who participated as operators and station hosts. Special thanks to those multitudes who worked us. Of course, the biggest thanks go to the ARRL, who does so much for our great hobby. Here’s to 100 more years!





# W1AW/KP4

## W1AW/KP4 Puerto Rico

Week 1: 2014-04-09 00:00:00 to 2014-04-15 23:59:59

Week 2: 2014-11-26 00:00:00 to 2014-12-02 23:59:59

### Ángel Santana, WP3GW

Puerto Rico, as well the other US territories, was privileged to be part of the W1AW/p activations. Many local ARRL members had the opportunity to be an integral part of the Centennial celebration: for some it felt like a combination of a contest and DXpedition, handling big pileups, working lots of countries, and for others it was an opportunity just to meet new and salute old friends, who were seeking a W1AW/KP4 QSO for endorsement towards the W1AW WAS award. Thanks to Felipe Hernandez, NP4Z, who coordinated the W1AW/KP4 operation, Carlos Colón, WP4U, and Daniel Hernandez, KP4BD, for lending their stations, and to all ARRL Puerto Rico members who participated on this once-in-100-years on-the-air event.



Ángel Santana, WP3GW, operating W1AW/KP4 Puerto Rico during its second week of operation. [Ángel Santana, WP3GW, photo]



*I am writing specifically to say thank you. As a relatively new amateur (first licensed in 2013), the timing of the Centennial on-air celebration could not have been better, from my perspective. The events prompted me to extend my operating privileges (Extra class this year), extend my reach by becoming active in digital modes, and extend my involvement by becoming credentialed as a VE and joining my local ARES/RACES group. Most importantly, the events allowed me to “meet” each of you on the air and chat with some great people.*

*— Lyle Piner, N4ACK*

# A Rainbow of Badges

*ARRL Centennial Red Badge Days focused on a particular badge color, but it's worth noting that members of the vast ARRL Field Organization sport a colorful array of badges that signify their area of specialty.*

During ARRL's 2014 Centennial, the League sponsored many on-the-air activities. The most popular of these was the Centennial QSO Party, which included the Centennial Points Challenge, in which hams received points and earned awards for contacting ARRL members. The number of points varied according to the contacted member's position in the League's field organization, with each member being worth at least one point, all the way up to ARRL CEO David Sumner, K1ZZ, being worth 150 points and ARRL President Kay Craigie, N3KN, worth the highest value, 300 points.

To encourage Centennial QSO Party activities, ARRL Headquarters arranged "Red Badge Days" — days on which Headquarters' staff level employees, elected officials such as Directors and Section Managers, and other red-badge-wearing volunteers, were encouraged to get on the air to make contacts and hand out points. Individuals were worth anywhere from 50 – 300 points, depending upon their position in the organization.

However, all the activity around Red Badge Days eclipsed the many other colors of badges worn by members of ARRL's Field Organization. As a way of bringing light to these shadows, we want to spotlight those others in the ARRL universe who wear League colors.

Besides the red badges, there are 12 other badge colors.

Green badges are issued to Section Staff Appointees. These are members holding such positions as Assistant Section Manager, Affiliated Club Coordinator, Bulletin Manager, Official Observer Coordinator, Public Information Coordinator, Section

*To encourage Centennial QSO Party activities, ARRL Headquarters arranged "Red Badge Days" — days on which Headquarters' staff level employees, elected officials such as Directors and Section Managers, and other red-badge-wearing volunteers, were encouraged to get on the air to make contacts and hand out points. Individuals were worth anywhere from 50 – 300 points, depending upon their position in the organization.*

Emergency Coordinator, Section Traffic Manager, State Government Liaison, Section Youth Coordinator, and Technical Coordinator.

Blue badges are issued to Station Appointees who hold such positions as Official Observer, Official Emergency Station, Official Relay Station, Technical Specialist, Official Bulletin Station, Public Information Officer, and Local Government Liaison.

Orange badges are issued to Emergency Communications Appointees who hold the positions of District Emergency Coordinator, Emergency Coordinator, Official Emergency Station, Assistant Section Emergency Coordinator, Assistant District Emergency Coordinator, and Assistant Emergency Coordinator.

Light green badges are issued to those who hold National Traffic System (NTS) Area Staff appointments, such as Area Net Manager, Region Net Manager, Transcontinental Corp Director, Area Digital Coordinator, and NTS Area Staff Chair. Also, those holding NTS Digital (NTSD) Appointments, such as Assistant/Deputy Area Digital Coordinator, NTSD Area Hub, NTSD Region Hub, NTSD State Hub, and Digital Relay Station.

Light Blue badges are issued to Division Appointees. These are members holding the division level appointments of Assistant Director, Advisory Committee Appointee, and Division Legislative Action Chairman.

Rust-colored badges are issued to QSL Bureau Managers, QSL Bureau Workers, Legislative Action Coordinators, and Legislative Action Assistants.

Brown badges are presented to Technical Advisors.

Purple badges are presented to Volunteer Counsels, and Volunteer Consulting Engineers.

Tan badges are for Volunteer Examiners, so get those questions ready.

Burgundy badges are for volunteers who are part of the ARRL Monitoring System, so be on your best operating behavior!

If you meet someone with a gray badge, then get your QSL cards out because you're talking to a WAS/VUCC Awards Manager or a DXCC Card Checker.

Last, but certainly not least, are Life or Charter Life Members, who wear yellow badges.

Over the past century, the ARRL has grown in size and scope as it works to support Amateur Radio. As our tasks have expanded, so has our volunteer organization and with it the many colors we use to symbolize the essential support of our field organization members. If you're part of our Field Organization, go to [www.arrl.org/official-arrrl-badge-program](http://www.arrl.org/official-arrrl-badge-program) for information on getting your colors.



# W1AW/p Coordinators

The following operators took on leadership positions, coordinating W1AW/p operations for their state or territory. Many also operated W1AW/p.

K4TD.....AL	N4PN.....GA	N4GN.....KY	N4OGW.....MS	AA5B.....NM	K3LR.....PA	K4ZW.....VA	KH6LC.....HI
W5ZN.....AR	WW4LL.....GA	K5ER.....LA	KE7X.....MT	K5RC.....NV	W1XX.....RI	W1SJ.....VT	N9NS.....AS
K5UZ.....AR	NR0X.....IA	W5WZ.....LA	K7BG.....MT	W2LK.....NY	AA4V.....SC	K7RL.....WA	JF1LZQ.....MP
AA7A.....AZ	W0GXA.....IA	K1TTT.....MA	N4AF.....NC	K2DB.....NY	W4OC.....SC	KB7HDX.....WA	JA1NVF.....MP
K6NA.....CA	K7ZO.....ID	W1EBI.....MA	N4YDU.....NC	N8BJQ.....OH	W0SD.....SD	WE9V.....WI	KL7RA.....AK
W1SRD.....CA	K9CT.....IL	W3LPL.....MD	W0ND.....ND	K8MR.....OH	WD0T.....SD	KB9S.....WI	NP4Z.....PR
K8ZTT.....CO	WB9Z.....IL	K1DG.....ME	K0HA.....NE	K5CM.....OK	K1GU.....TN	K8MN.....WV	K9VV.....VI
K1DM.....CT	AJ9C.....IN	AA8R.....MI	WA1Z.....NH	W5CU.....OK	N1XS.....TX	W8HC.....WV	KN4KL.....GB
W1AN.....CT	K9NW.....IN	KTBX.....MI	WC1M.....NH	W7YAQ.....OR	K5OT.....TX	WY7FD.....WY	W4WV.....GB
N8NA.....DE	K0BJ.....KS	AC0W.....MN	W2GD.....NJ	N7OU.....OR	K7CO.....UT	W7SE.....WY	
N8PR.....FL	K0RM.....KS	NW0M.....MO	N2MM.....NJ	K3VWV.....PA	K4EU.....VA	KE3X.....DC	
WF3C.....FL	KE4KY.....KY	N0AX.....MO	N2IC.....NM	AA3B.....PA	K1SE.....VA	N2NL.....GU	

# W1AW/p Operators

The following operators contributed their time and expertise on the air as W1AW/p.

AB8XX.....AK	KV4PC.....AL	AC7U.....AZ	K6AR.....CA	N6ER.....CA	WB6BFG.....CA	K1EBY.....CT	W3DQ.....DC
AL1G.....AK	KV4T.....AL	AD7YR.....AZ	K6BV.....CA	N6ERD.....CA	WB6DJI.....CA	K1EV.....CT	W3HAC.....DC
AL2F.....AK	KV4TG.....AL	AF7EF.....AZ	K6CAW.....CA	N6EWT.....CA	WB6L.....CA	K1IED.....CT	W3IDT.....DC
AL7FI.....AK	KY4F.....AL	AF9W.....AZ	K6CWA.....CA	N6GP.....CA	WB6NVB.....CA	K1KI.....CT	AA1K.....DE
AL7FS.....AK	N4KC.....AL	AK7AR.....AZ	K6DGG.....CA	N6JV.....CA	WC6H.....CA	K1MAA.....CT	K1RY.....DE
AL7IF.....AK	N4KG.....AL	K3RN.....AZ	K6ELE.....CA	N6KI.....CA	WK6I.....CA	K1NYK.....CT	K3CWF.....DE
AL7LW.....AK	N4KH.....AL	K7BIE.....AZ	K6FG.....CA	N6LHL.....CA	WN6K.....CA	K1RM.....CT	K3JL.....DE
AL9A.....AK	N4LX.....AL	K7BUM.....AZ	K6GFJ.....CA	N6LL.....CA	WO1S.....CA	K1SD.....CT	K9RS.....DE
KA1NCN.....AK	N4NM.....AL	K7DD.....AZ	K6GO.....CA	N6MUF.....CA	WQ6X.....CA	K1TEO.....CT	KB2GCG.....DE
KL1JP.....AK	N4NPG.....AL	K7GGG.....AZ	K6GRL.....CA	N6NC.....CA	WU6X.....CA	K1TO.....CT	KB3KYH.....DE
KL1WE.....AK	N4UC.....AL	K7HIL.....AZ	K6HTN.....CA	N6NO.....CA	WW6G.....CA	K1ZZ.....CT	N3DXX.....DE
KL2HD.....AK	N4WE.....AL	K7LY.....AZ	K6IA.....CA	N6PB.....CA	WX6B.....CA	K2GAV.....CT	NW3Y.....DE
KL3UI.....AK	N4WGY.....AL	K7NX.....AZ	K6ICS.....CA	N6PN.....CA	AB0BX.....CO	K3JU.....CT	W3MLK.....DE
KL6C.....AK	N4YG.....AL	K7POF.....AZ	K6JTK.....CA	N6QQ.....CA	AC0XR.....CO	KA1RWY.....CT	WA3QPX.....DE
KL7AN.....AK	NR4J.....AL	K7TEJ.....AZ	K6KO.....CA	N6RA.....CA	AD1C.....CO	KA12D.....CT	AC4FC.....FL
KL7IGZ.....AK	NV4B.....AL	K7VOA.....AZ	K6MI.....CA	N6RO.....CA	K0AE.....CO	KB1H.....CT	AD4ES.....FL
KL7KY.....AK	W4ATK.....AL	K8IA.....AZ	K6MKF.....CA	N6TCE.....CA	K0ALT.....CO	KB1RFJ.....CT	AD4W.....FL
KL7NO.....AK	W4DSM.....AL	K9SG.....AZ	K6MM.....CA	N6TEB.....CA	K0AV.....CO	KB1ZDZ.....CT	AD4Z.....FL
KL7RHJ.....AK	W4HOD.....AL	KB7HH.....AZ	K6QD.....CA	N6TV.....CA	K0DU.....CO	KC2WQO.....CT	AF4Z.....FL
KL7SB.....AK	W4MD.....AL	KD7RCJ.....AZ	K6SF.....CA	N6UWV.....CA	K0EU.....CO	K1HG.....CT	AJ6V.....FL
KL7UW.....AK	W4UAL.....AL	KE7DX.....AZ	K6SRZ.....CA	N6VI.....CA	K0GV.....CO	KS1J.....CT	K0LUZ.....FL
KL7XJ.....AK	W4VPZ.....AL	KF7E.....AZ	K6TA.....CA	N6VS.....CA	K0JSC.....CO	KX9J.....CT	K1MM.....FL
KL7YK.....AK	W4ZZK.....AL	KF7TLL.....AZ	K6TU.....CA	N6WS.....CA	K0JTL.....CO	N1XF.....CT	K1TO.....FL
KL7ZO.....AK	WA1FCN.....AL	KF7WJB.....AZ	K6UDA.....CA	N6XI.....CA	K0OJ.....CO	N1MD.....CT	K2AU.....FL
N1TX.....AK	WA2JQZ.....AL	KG7KIF.....AZ	K6XX.....CA	N6XMA.....CA	K0RF.....CO	N1ND.....CT	K2EK.....FL
NL7V.....AK	WA4CQG.....AL	KG7OH.....AZ	K6YR.....CA	N6XT.....CA	K0XE.....CO	N2GZ.....CT	K2RR.....FL
NL8F.....AK	WA4DXP.....AL	N3AIU.....AZ	K6ZED.....CA	N7MH.....CA	K0ZX.....CO	N8RA.....CT	K3SV.....FL
NN1N.....AK	WN1G.....AL	N5DI.....AZ	K6ZTH.....CA	NA6MB.....CA	K1DDN.....CO	NB1U.....CT	K4ADR.....FL
VE6NH.....AK	WN4AT.....AL	N5IA.....AZ	K6ZZ.....CA	NA6O.....CA	K6XT.....CO	NG1G.....CT	K4KF.....FL
W6HF.....AK	WX4MM.....AL	N5OMB.....AZ	K7JA.....CA	NC6Q.....CA	K7TD.....CO	NJ1Q.....CT	K4JC.....FL
WA7B.....AK	ACS5AV.....AR	N6VR.....AZ	K8JRK.....CA	ND2T.....CA	KBOYH.....CO	NN1N.....CT	K4LM.....FL
WL7BDO.....AK	AF5OD.....AR	N7AM.....AZ	K9JM.....CA	ND6S.....CA	KC0ZGK.....CO	NQ1G.....CT	K4QD.....FL
WL7E.....AK	K5GO.....AR	N7CW.....AZ	KA3DRR.....CA	N6E1.....CA	KC8VSM.....CO	W1EQ.....CT	K4UTE.....FL
WL7M.....AK	K5LG.....AR	N7OEM.....AZ	KB0VVT.....CA	NF1R.....CA	KD0BIK.....CO	W1NG.....CT	K4XS.....FL
AA4YL.....AL	K5UR.....AR	N7RK.....AZ	KB6UNC.....CA	N16G.....CA	KDOWAK.....CO	W1PN.....CT	K5KG.....FL
AB4B.....AL	K5XK.....AR	NQ7R.....AZ	KB7V.....CA	NK6A.....CA	KFORQ.....CO	W1QK.....CT	K8XS.....FL
AD4NW.....AL	KD5J.....AR	NR6M.....AZ	KC6QHP.....CA	NW6P.....CA	KFOUR.....CO	W1RM.....CT	K9ES.....FL
AG4W.....AL	KM5PS.....AR	W0OGH.....AZ	KD6ELS.....CA	NZ6Q.....CA	KG0PP.....CO	W1RPG.....CT	K9OM.....FL
K4AB.....AL	KX9X.....AR	W1XT.....AZ	KE1B.....CA	VE4EA.....CA	K10KN.....CO	W1TJL.....CT	KA4SFD.....FL
K4CWW.....AL	N4HY.....AR	W7ACX.....AZ	KE6PY.....CA	W0YK.....CA	N0AH.....CO	W1UJ.....CT	KD4RT.....FL
K4GU.....AL	N5ECT.....AR	W7BBQ.....AZ	KE6YEX.....CA	W1RH.....CA	N0HF.....CO	W1UK.....CT	KE1F.....FL
K4HAL.....AL	N5LKE.....AR	W7FSL.....AZ	KG0US.....CA	W2PWS.....CA	N0IAA.....CO	W1WEF.....CT	KE4PT.....FL
K4IQJ.....AL	N5QS.....AR	W7GNP.....AZ	KG0UT.....CA	W4UAT.....CA	N0IDX.....CO	W1XX.....CT	KE4TIO.....FL
K4JOP.....AL	N5QT.....AR	W7JET.....AZ	KG6PNP.....CA	W6AQ.....CA	N0KE.....CO	W2JU.....CT	KG4FUR.....FL
K4NA.....AL	N5RN.....AR	W8AEF.....AZ	KI6QDH.....CA	W6DE.....CA	N0KGU.....CO	W3EP.....CT	KJ3Q.....FL
K4VU.....AL	N5RR.....AR	WA7NB.....AZ	KI6RRN.....CA	W6KC.....CA	N0KM.....CO	W3IZ.....CT	KK4KXE.....FL
K4ZGB.....AL	N5ZM.....AR	WB6OTS.....AZ	KI6VC.....CA	W6KQU.....CA	N0VD.....CO	WB1GCM.....CT	KK4SXF.....FL
KA4PKB.....AL	NN1N.....AR	WB9CAC.....AZ	KI6X.....CA	W6KY.....CA	N0WAR.....CO	WB8IMY.....CT	KK4VMZ.....FL
KB5EZ.....AL	W5MQ.....AR	WD9EWK.....AZ	KJ6EYF.....CA	W6LD.....CA	N6UA.....CO	WJ1B.....CT	KM4FNT.....FL
KC4HW.....AL	W5OOO.....AR	AA6DW.....CA	KJ6NHY.....CA	W6OAT.....CA	W0ANT.....CO	WJ1X.....CT	KM4HI.....FL
KC4LE.....AL	W5RZ.....AR	AA6KM.....CA	KJ6SBQ.....CA	W6PK.....CA	W0BV.....CO	WR1B.....CT	KN4Y.....FL
KD8IGK.....AL	W9WI.....AR	AA6W.....CA	KJ6Y.....CA	W6RKC.....CA	W0CA.....CO	W21V.....CT	KO4MA.....FL
KF4LFG.....AL	WA5BDU.....AR	AA6XV.....CA	KK6LT.....CA	W6SL.....CA	W0CP.....CO	K3ZJ.....DC	KO4XL.....FL
KF4MMF.....AL	WA5NFC.....AR	AC6T.....CA	KK6TV.....CA	W6SX.....CA	W0EM.....CO	K4HNL.....DC	KP2N.....FL
KG4CUY.....AL	WB5BHS.....AR	AE6GE.....CA	KM6HB.....CA	W6TK.....CA	W0ETT.....CO	K4HNL.....DC	KR4U.....FL
KG4Q.....AL	WD5R.....AR	AE6J.....CA	KS4IS.....CA	W6VX.....CA	W0KIZ.....CO	K4MNE.....DC	KT4Q.....FL
KI4SP.....AL	5W1SA.....AS	AF6O.....CA	KU6F.....CA	W6WRT.....CA	W0LI.....CO	K4ZW.....DC	N2ESP.....FL
KJ4LTA.....AL	G3KHZ.....AS	AG6HE.....CA	KZ2V.....CA	W6XD.....CA	W0LSD.....CO	K6XH.....DC	N4BP.....FL
KJ4RAQ.....AL	K4ZLE.....AS	AK6Y.....CA	N0DY.....CA	W6XK.....CA	W0MU.....CO	KB1QHX.....DC	N4BRF.....FL
KK4NGD.....AL	KD6XH.....AS	DG1CMZ.....CA	N5ZO.....CA	W6YEP.....CA	W0YBS.....CO	K1U.....DC	N4CJ.....FL
KK4TE.....AL	KE0A.....AS	K0DI.....CA	N6AA.....CA	W6YOO.....CA	W0ZA.....CO	KK4INZ.....DC	N4CR.....FL
KN4OK.....AL	N0FW.....AS	K1GI.....CA	N6AN.....CA	W6YR.....CA	W2UP.....CO	N3QE.....DC	N4DL.....FL
KR4F.....AL	N7CQQ.....AS	K2RD.....CA	N6CY.....CA	WA2OOB.....CA	WB9KPT.....CO	N4QQ.....DC	N4DXI.....FL
KS4L.....AL	W8AEF.....AS	K2YY.....CA	N6DB.....CA	WA5VGI.....CA	WD4IXD.....CO	N8HM.....DC	N4FP.....FL
KS4YT.....AL	AA1SZ.....AZ	K4RB.....CA	N6ED.....CA	WA6DPQ.....CA	K1BV.....CT	NN3RP.....DC	N4GD.....FL
KV4LQ.....AL	AA7V.....AZ	K6AH.....CA	N6EE.....CA	WA6MHZ.....CA	K1CC.....CT	W2CDO.....DC	N4GI.....FL

N4II.....	FL	KH6CJJ.....	HI	K7OJL.....	ID	W9FFA.....	IL	NOGMT.....	KS	WA5KBH.....	LA	KB3MAO.....	MD	KB1HNZ.....	ME
N4KM.....	FL	KH6DC.....	HI	K7TM.....	ID	W9GIG.....	IL	N0MTC.....	KS	WB5JHY.....	LA	KB3SZL.....	MD	KB1QU.....	ME
N4MB.....	FL	KH6FP.....	HI	K7TQ.....	ID	W9GRS.....	IL	N0RZ.....	KS	WM5H.....	LA	KB3UFT.....	MD	KB1TUR.....	ME
N4OQP.....	FL	KH6GA.....	HI	K7ZOX.....	ID	W9ILY.....	IL	N20F.....	KS	AA1AR.....	MA	KB3VQC.....	MD	KB1O.....	ME
N4OX.....	FL	KH6KM.....	HI	KA7ERV.....	ID	W9KVR.....	IL	W0BH.....	KS	AB1J.....	MA	KB3WAV.....	MD	KE5ISO.....	ME
N4QV.....	FL	KH6MB.....	HI	KA7T.....	ID	W9MO.....	IL	W0IE.....	KS	K1BG.....	MA	KB3XYL.....	MD	KR1ZAN.....	ME
N4RI.....	FL	KH6NX.....	HI	KD7HGS.....	ID	W9MU.....	IL	W0RT.....	KS	K1DAT.....	MA	KC3CHJ.....	MD	KX1E.....	ME
N4TB.....	FL	KH6PO.....	HI	KF7CQ.....	ID	W9OA.....	IL	W0SO.....	KS	K1IX.....	MA	KC3CMP.....	MD	N1AIA.....	ME
N4TZH.....	FL	KH6SAT.....	HI	KF7QIY.....	ID	W9OO.....	IL	W0UY.....	KS	K1KP.....	MA	KC3D.....	MD	N1EP.....	ME
N4UU.....	FL	KH6TU.....	HI	KF7SVI.....	ID	W9SE.....	IL	W0VCG.....	KS	K1MAZ.....	MA	KC4KMY.....	MD	N1OXA.....	ME
N4WW.....	FL	KH6Y.....	HI	KG7E.....	ID	W9SZ.....	IL	WA0N.....	KS	K1MC.....	MA	KD4D.....	MD	N1RJ.....	ME
N6AR.....	FL	KH7U.....	HI	KG7H.....	ID	W9WGN.....	IL	AB4IQ.....	KY	K1NUJ.....	MA	KE3Q.....	MD	N4CW.....	ME
N7EO.....	FL	KH7XX.....	HI	KI7I.....	ID	W9WTF.....	IL	A4EY.....	KY	K1OA.....	MA	KE3TT.....	MD	W1AO.....	ME
NF4A.....	FL	KH7Y.....	HI	KM7R.....	ID	W9XA.....	IL	AJ4A.....	KY	K1PAD.....	MA	KE3X.....	MD	W1CPS.....	ME
NT4TS.....	FL	N0DQD.....	HI	KO7P.....	ID	W9YK.....	IL	K2UPD.....	KY	K1SM.....	MA	KF3ASL.....	MD	W1ZL.....	ME
NX4N.....	FL	N2NL.....	HI	N4CC.....	ID	WA9AQN.....	IL	K4AVX.....	KY	K1UI.....	MA	KF3O.....	MD	W1JX.....	ME
NZ5N.....	FL	NH6V.....	HI	N7BVX.....	ID	WA9IVH.....	IL	K4CMS.....	KY	K1UR.....	MA	KK4HKB.....	MD	W1QU.....	ME
W0PV.....	FL	NH6Y.....	HI	N7ESU.....	ID	WA9YYY.....	IL	K4FJK.....	KY	K1VOI.....	MA	KR3E.....	MD	W3HBM.....	ME
W1DAR.....	FL	VE7AHA.....	HI	N7UVH.....	ID	WB8RFB.....	IL	K4FXN.....	KY	K5ZD.....	MA	N1SZ.....	MD	W3NA.....	ME
W1RG.....	FL	W0CN.....	HI	N7VJ.....	ID	WD9HSY.....	IL	K4UU.....	KY	K6ND.....	MA	N2EC.....	MD	W8AP.....	ME
W2CQ.....	FL	WH6ECI.....	HI	N7ZN.....	ID	WG9V.....	IL	K4VWW.....	KY	KA1R.....	MA	N3ALN.....	MD	W11IE.....	ME
W2TX.....	FL	WH6R.....	HI	ND7O.....	ID	WX9U.....	IL	K9GX.....	KY	KB1PVH.....	MA	N3AM.....	MD	WT1A.....	ME
W3CF.....	FL	WH7DX.....	HI	W0WN.....	ID	WB9JT.....	IN	KB4QNR.....	KY	KB1W.....	MA	N3AWP.....	MD	WW1ME.....	ME
W4AS.....	FL	WH7W.....	HI	W7CQW.....	ID	AE9YL.....	IN	KB4RGW.....	KY	KF4KI.....	MA	N3EKO.....	MD	AA4R.....	MI
W4DN.....	FL	ACORA.....	IA	W7DZX.....	ID	K8LEE.....	IN	KB4VKS.....	KY	KJ1K.....	MA	N3HBX.....	MD	AA8CH.....	MI
W4GAC.....	FL	AC0XY.....	IA	W7EKG.....	ID	K9CIV.....	IN	KB8QKK.....	KY	KK1W.....	MA	N3HEE.....	MD	AB8JR.....	MI
W4GV.....	FL	AD0AK.....	IA	W7GSV.....	ID	K9DUR.....	IN	KB9BVL.....	KY	KX1X.....	MA	N3HU.....	MD	AC8AZ.....	MI
W4GV.....	FL	AD0H.....	IA	W7MEM.....	ID	K9FNV.....	IN	KC4WQ.....	KY	N1AW.....	MA	N3KBI.....	MD	AC8IL.....	MI
W4LT.....	FL	K0CY.....	IA	W7MFC.....	ID	K9IG.....	IN	KG4JXH.....	KY	N1DG.....	MA	N3KS.....	MD	K1FJ.....	MI
W4LWZ.....	FL	K0IO.....	IA	W70UU.....	ID	K9KM.....	IN	KG4WVE.....	KY	N1ELI.....	MA	N3LDC.....	MD	K8AO.....	MI
W4OX.....	FL	K0IS.....	IA	W7RSK.....	ID	K9LA.....	IN	KI4B.....	KY	N1FJ.....	MA	N3NT.....	MD	K8AQM.....	MI
W4QN.....	FL	K0JGH.....	IA	W7ZRC.....	ID	K9LZJ.....	IN	KI4GDR.....	KY	N1RR.....	MA	N3OC.....	MD	K8BZ.....	MI
W4RQ.....	FL	K0PAS.....	IA	WA7VKE.....	ID	K9MRI.....	IN	KI4NXF.....	KY	N1SR.....	MA	N3OYF.....	MD	K8ED.....	MI
W4UH.....	FL	K0VM.....	IA	WB7DNU.....	ID	K9SG.....	IN	KJ4AOM.....	KY	N1SV.....	MA	N3QE.....	MD	K8EMS.....	MI
W6BXQ.....	FL	K0XG.....	IA	WB7RBH.....	ID	K9WX.....	IN	KJ4QFK.....	KY	N1YX.....	MA	N3RR.....	MD	K8GGL.....	MI
W9IL.....	FL	K2DRH.....	IA	WJ9B.....	ID	KC8ZH.....	IN	KO4OL.....	KY	N2KW.....	MA	N3ST.....	MD	K8GO.....	MI
WA4EEZ.....	FL	K2DSW.....	IA	AA9IC.....	IL	KC9QQ.....	IN	KO4XJ.....	KY	NC1I.....	MA	N3WD.....	MD	K8GT.....	MI
WA5POK.....	FL	K4FT.....	IA	AA9LC.....	IL	KC9TEW.....	IN	N4FZ.....	KY	NJ1F.....	MA	N3XUD.....	MD	K8JH.....	MI
WB1J.....	FL	K8OM.....	IA	AB9M.....	IL	KE9FZ.....	IN	N4HID.....	KY	NT1K.....	MA	N3YQ.....	MD	K8KHZ.....	MI
WB2REM.....	FL	K9WA.....	IA	AB9YC.....	IL	KE9I.....	IN	N4LG.....	KY	NU1O.....	MA	N3YUG.....	MD	K8NGW.....	MI
WB4OMM.....	FL	KB0DW.....	IA	AC9S.....	IL	KJ9B.....	IN	N4TY.....	KY	NV1Q.....	MA	N4ERD.....	MD	K8NOS.....	MI
WB4TDH.....	FL	KC0VKN.....	IA	AG9A.....	IL	KJ9C.....	IN	N8ZFM.....	KY	W1BS.....	MA	N4QQ.....	MD	K8OOK.....	MI
WC4E.....	FL	KC8R.....	IA	A19T.....	IL	KR9U.....	IN	N9KY.....	KY	W1CSM.....	MA	N8II.....	MD	K8PAO.....	MI
WD4AHZ.....	FL	KD0LRG.....	IA	K0XG.....	IL	KT9L.....	IN	ND4X.....	KY	W1EQO.....	MA	N8IVN.....	MD	K8PJP.....	MI
WO4O.....	FL	KD0Q.....	IL	K2DRH.....	IL	N4TZ.....	IN	ND4Y.....	KY	W1FJ.....	MA	NA1DX.....	MD	K8RDG.....	MI
WW4B.....	FL	KDORN.....	IA	K3WA.....	IL	N9FN.....	IN	NM4K.....	KY	W1GD.....	MA	ND3D.....	MD	K8RO.....	MI
AA4CF.....	GA	KDOUHN.....	IA	K9CC.....	IL	N9LF.....	IN	W4HK.....	KY	W1HIS.....	MA	ND3F.....	MD	K8SIA.....	MI
K2UFT.....	GA	KE0BLA.....	IA	K9CS.....	IL	N9NS.....	IN	W4WKN.....	KY	W1MA.....	MA	ND3N.....	MD	K9AAA.....	MI
K4BAI.....	GA	KG1X.....	IA	K9DWR.....	IL	N9RD.....	IN	WA9WJL.....	KY	W1MSW.....	MA	NE3H.....	MD	KB6NU.....	MI
K4NHW.....	GA	KI0IH.....	IA	K9GS.....	IL	NA9L.....	IN	WB4DKQ.....	KY	W1PG.....	MA	NE3K.....	MD	KB8JIU.....	MI
K4NV.....	GA	KV1E.....	IA	K9IDQ.....	IL	ND9Y.....	IN	WC4D.....	KY	W1QA.....	MA	NH7C.....	MD	KB8TJY.....	MI
K4PI.....	GA	KW0J.....	IA	K9JN.....	IL	NG9M.....	IN	WD4EFZ.....	KY	W1TO.....	MA	NH3W.....	MD	KB8ZGL.....	MI
K4RGK.....	GA	KX9Y.....	IA	K9KM.....	IL	NJ9U.....	IN	AA5AU.....	LA	W1UE.....	MA	W0CN.....	MD	KC8JW.....	MI
K4UN.....	GA	NOAC.....	IA	K9MMS.....	IL	NM9P.....	IN	AC5O.....	LA	W1UJ.....	MA	W3AM.....	MD	KC8KE.....	MI
K4UPI.....	GA	NOAKF.....	IA	K9NO.....	IL	W3ML.....	IN	AD5VC.....	LA	W1VE.....	MA	W3BNY.....	MD	KC8ULE.....	MI
KB4KBS.....	GA	NOAV.....	IA	K9NR.....	IL	W8BYA.....	IN	AE5V.....	LA	W1WEF.....	MA	W3CB.....	MD	KC9ON.....	MI
KD4UKV.....	GA	NOGR.....	IA	K9PG.....	IL	W9BU.....	IN	AE5VB.....	LA	W1ZT.....	MA	W3EKT.....	MD	KD8CGT.....	MI
KE4UW.....	GA	NOHD.....	IA	K9PSM.....	IL	W9DZ.....	IN	K1DW.....	LA	WA1ZAM.....	MA	W3GB.....	MD	KD8OSM.....	MI
KG4USN.....	GA	NOJL.....	IA	K9PY.....	IL	W9GT.....	IN	K5FNQ.....	LA	WD1S.....	MA	W3GIR.....	MD	KE8FT.....	MI
KK4UBQ.....	GA	NOMJ.....	IA	K9TP.....	IL	W9HBH.....	IN	K5JRW.....	LA	WM1K.....	MA	W3GJN.....	MD	KG8P.....	MI
KK4Z.....	GA	NONI.....	IA	K9XZ.....	IL	W9IU.....	IN	K5RUS.....	LA	WN1E.....	MA	W3IDT.....	MD	KJ8O.....	MI
KM4LS.....	GA	NOSM.....	IA	K9ZM.....	IL	W9KTP.....	IN	K5SL.....	LA	AA3S.....	MD	W3IUU.....	MD	KO8Z.....	MI
KU8E.....	GA	NOXR.....	IA	K9ZO.....	IL	W9PA.....	IN	K5TFH.....	LA	AA3SB.....	MD	W3KL.....	MD	KR8V.....	MI
N4GNR.....	GA	NOYY.....	IA	KA9MOM.....	IL	W9RE.....	IN	K5UQ.....	LA	AB3CV.....	MD	W3LL.....	MD	KT8TD.....	MI
N4OO.....	GA	N2AM.....	IA	KB9IIZ.....	IL	W9UM.....	IN	KA5HCO.....	LA	AB3TM.....	MD	W3MR.....	MD	KU8F.....	MI
N4RJ.....	GA	N9CDX.....	IA	KB9NW.....	IL	W9XN.....	IN	KA5M.....	LA	AC2C.....	MD	W3PO.....	MD	KU8L.....	MI
N4TTY.....	GA	N9CI.....	IA	KB9UWU.....	IL	WA5LOU.....	IN	KC5WA.....	LA	AC3Q.....	MD	W3RFC.....	MD	KZ6ZZ.....	MI
N4VDL.....	GA	NUOQ.....	IA	KC9EE.....	IL	WD8DSB.....	IN	KD5DE.....	LA	AC6WI.....	MD	W3SFG.....	MD	N8AE.....	MI
N5TOO.....	GA	W0BNW.....	IA	KC9IEQ.....	IL	WN9O.....	IN	KE5WB.....	LA	HB9OCR.....	MD	W3UR.....	MD	N8AR.....	MI
W4BW.....	GA	W0EA.....	IA	KC9IL.....	IL	WT9U.....	IN	KF5LOQ.....	LA	K1DQV.....	MD	W5IDA.....	MD	N8CAM.....	MI
W4DXX.....	GA	W0FG.....	IA	KC9IJS.....	IL	WU9D.....	IN	KG5AGP.....	LA	K2PLF.....	MD	W8AJR.....	MD	N8DKA.....	MI
W4GAC.....	GA	W0FLS.....	IA	KC9ZAS.....	IL	AA0FO.....	KS	KG5VK.....	LA	K2YWE.....	MD	W8ZN.....	MD	N8DP.....	MI
W4IMD.....	GA	W0GJ.....	IA	KC9ZJC.....	IL	AB0X.....	KS	KI5EE.....	LA	K3AJ.....	MD	WA2WDT.....	MD	N8EO.....	MI
W4LDE.....	GA	W0GN.....	IA	KE0L.....	IL	AC0C.....	KS	KN5O.....	LA	K3CXW.....	MD	WA3AER.....	MD	N8HAM.....	MI
W4XO.....	GA	W0IW.....	IA	KG9N.....	IL	AC0E.....	KS	KR5R.....	LA	K3ECR.....	MD	WA3KOK.....	MD	N8NET.....	MI
W5JR.....	GA	W0KH.....	IA	KK9K.....	IL	AC0KN.....	KS	KX2P.....	LA	K3IT.....	MD	WB2ZAB.....	MD	N8SS.....	MI
WA1S.....	GA	W0ODS.....	IA	KT9L.....	IL	K0AP.....	KS	KZ5D.....	LA	K3JTW.....	MD	WB3AVN.....	MD	N8VM.....	MI
WA4NJP.....	GA	W0WLL.....	IA	KU9Z.....	IL	K0DD.....	KS	N5FH.....	LA	K3KU.....	MD	WB3DAJ.....	MD	N8XX.....	MI
WK4U.....	GA	W0WP.....	IA	KW9U.....	IL	K0FJ.....	KS	N5GP.....	LA	K3LU.....	MD	WB5UYZ.....	MD	NA8M.....	MI
KG6DX.....	GU	W0YY.....	IA	N2BJ.....	IL	K0PY.....	KS	N5HM.....	LA	K3MEJ.....	MD	WB8YYY.....	MD	NF8J.....	MI
KH2JU.....	GU	W1HAM.....	IA	N7US.....	IL	K0RH.....	KS	N5JF.....	LA	K3MIM.....	MD	WM3Z.....	MD	W7JW.....	MI
KH2L.....	GU	WA0CW.....	IA	N9AVY.....	IL	K0RU.....	KS	N5MG.....	LA	K3MM.....	MD	WR3Z.....	MD	W8CUB.....	MI
NH2KD.....	GU	WA0NDN.....	IA	N9CO.....	IL	K0VB.....	KS	N5UX.....	LA	K3OQ.....	MD	WX3B.....	MD	W8EIR.....	MI
AF4NC.....	HI	WA9LT.....	IA	N9EP.....	IL	K0VX.....	KS	N5VU.....	LA	K3RA.....	MD	AA4AK.....	ME	W8JRK.....	MI
AH0A.....	HI	WB8ZRL.....	IA	N9IO.....	IL	KA3NAM.....	KS	N5WE.....	LA	K3SC.....	MD	AB1RA.....	ME	W8JWN.....	MI
AH6J.....	HI	WW0E.....	IA	N9JF.....	IL	KB0DTI.....	KS	N5YFT.....	LA	K3STX.....	MD	AI2Q.....	ME	W8MJ.....	MI
AH6KO.....	HI	AC6S.....	ID	N9LAH.....	IL	KC0BS.....	KS	N5ZV.....	LA	K3TN.....	MD	K1ESE.....	ME	W8RA.....	MI
AH6NF.....	HI	AC7LI.....	ID	N9LR.....	IL	KC0DEB.....	KS	NA5G.....	LA	K3WC.....	MD	K1GDI.....	ME	W8TAX.....	MI
AH6OZ.....	HI	AI7H.....	ID	N9TK.....	IL	KC0KTP.....	KS	W5LA.....	LA	K3WI.....	MD	K1GUP.....	ME	W8TFI.....	MI
AH6RE.....	HI	K0IP.....	ID	NA9Q.....	IL	KC0NYK.....	KS	W5RGS.....	LA	K3ZO.....	MD	K1IMI.....	ME	W8TVO.....	MI
AH6S.....	HI	K0TO.....	ID	ND9E.....	IL	KC0ZNO.....	KS	W5RY.....	LA	K4DUM.....	MD	K1JB.....	ME	W8UE.....	MI
AH6V.....	HI	K1BOB.....	ID	NG9R.....	IL	KC0ZVT.....	KS	W5SUM.....	LA	K4HQK.....	MD	K1LOG.....	ME	W8UM.....	MI
K6GSS.....	HI	K7CF.....	ID	NK9E.....	IL	KD0EWB.....	KS	W5TMP.....	LA	K4ZA.....	MD	K1OT.....	ME	W8ZHO.....	MI
K9FD.....	HI	K7HK.....	ID	NO9G.....	IL	KD0EZS.....	KS	W5VUY.....	LA	KA2BKG.....	MD	K1VHS.....	ME	WA8EFK.....	MI
KB7Q.....	HI	K7LNA.....	ID	NT9E.....	IL	KU0DM.....	KS	W5XU.....	LA	KA3EJJ.....	MD	K8PO.....	ME	WA8M.....	MI
KC7I.....	HI	K7MK.....	ID	NV9L.....	IL	NOAG.....	KS	W5ZR.....	LA	KA8CAC.....	MD	KA1C.....	ME	WA8TJA.....	MI



WB8R.....MI	WB0NIU.....MN	K5XU.....MS	W4TMO.....NC	KB1EOF.....NH	K5AM.....NM	K2NV.....NY	KB8O.....OH
WD8KAF.....MI	WB0VHF.....MN	KA5VFU.....MS	W4UX.....NC	KB1MPS.....NH	K5TA.....NM	K2O1D.....NY	KB8UEY.....OH
WD8RWI.....MI	WDOGUP.....MN	KF8PD.....MS	WA4CR.....NC	KB1VUN.....NH	K5TEE.....NM	K2PH.....NY	KB8ZUN.....OH
WE8P.....MI	AA0PO.....MO	N5FG.....MS	WA4PSC.....NC	KK1KW.....NH	K5TQ.....NM	K2QB.....NY	KC8BEW.....OH
AA0AW.....MN	AB0RX.....MO	N5SP.....MS	WB4IUY.....NC	KM3T.....NH	K5WO.....NM	K2QMF.....NY	KC8IMB.....OH
AA5F.....MN	AB0TO.....MO	N5ZNL.....MS	WW4CP.....NC	N1EVK.....NH	K8TE.....NM	K2QO.....NY	KC8TDS.....OH
AB0J.....MN	AC0CU.....MO	NA5DX.....MS	AC0W.....ND	N1IX.....NH	KA8JMW.....NM	K2QQ.....NY	KD8AQY.....OH
AC0X.....MN	AD0DQ.....MO	NM5Z.....MS	AE0EE.....ND	N1KWF.....NH	KE5AKL.....NM	K2RNY.....NY	KD8BBK.....OH
AD0CZ.....MN	AD0JA.....MO	W5DAW.....MS	K0LU.....ND	NE11.....NH	KE7KUS.....NM	K2SI.....NY	KD8HSV.....OH
AE0AL.....MN	K0ARY.....MO	W5ETZ.....MS	K0MPH.....ND	NN1SS.....NH	KJ0D.....NM	K2TMT.....NY	KD8MQ.....OH
AG6RB.....MN	K0BX.....MO	W5KK.....MS	K0QQ.....ND	W1EBM.....NH	KK6MC.....NM	K2TV.....NY	KD8RUQ.....OH
K0AD.....MN	K0CA.....MO	W5TFW.....MS	K0SV.....ND	W1ECT.....NH	KY5Q.....NM	K2TZY.....NY	KE8G.....OH
K0BAD.....MN	K0CMH.....MO	W5UE.....MS	K0UB.....ND	W1STT.....NH	N5FU.....NM	K2UV.....NY	KE8O.....OH
K0BBC.....MN	K0DEQ.....MO	W5XX.....MS	K9DIG.....ND	W1VE.....NH	N5IA.....NM	K2WR.....NY	KQ8M.....OH
K0BUD.....MN	K0GP.....MO	W5YD.....MS	KA0LDG.....ND	WA1VKO.....NH	N5PR.....NM	K2XA.....NY	KV8Q.....OH
K0GW.....MN	K0JFC.....MO	WB4BY.....MS	KD0UNI.....ND	WA1WOK.....NH	N5ZGT.....NM	K2ZR.....NY	KW8N.....OH
K0HB.....MN	K0JPL.....MO	WB5EIN.....MS	KD4POJ.....ND	WW1WW.....NH	N7KA.....NM	KA2D.....NY	N3HE.....OH
K0IR.....MN	K0KL.....MO	WM5DX.....MS	KE0A.....ND	AA2WN.....NH	NB5T.....NM	KAD2DX.....NY	N8AA.....OH
K0JR.....MN	K0OG.....MO	WQ5L.....MS	KL7SB.....ND	AB2E.....NJ	NM5P.....NM	KA2LIM.....NY	N8BH.....OH
K0KX.....MN	K0OU.....MO	AA7GS.....MT	N0CKB.....ND	AK2S.....NJ	NN5K.....NM	KC2LRC.....NY	N8DWN.....OH
K0LQP.....MN	K0TPP.....MO	AB5ZA.....MT	N0UV.....ND	K1JT.....NJ	W5YZ.....NM	KC2PJH.....NY	N8ET.....OH
K0MD.....MN	K1USA.....MO	AD7AJ.....MT	N7IV.....ND	K2AX.....NJ	WA5TYJ.....NM	KC2SYF.....NY	N8NR.....OH
K0MPH.....MN	K2HT.....MO	AE7AP.....MT	ND0B.....ND	K2CJ.....NJ	WA5ZUP.....NM	KD2DXN.....NY	N8OB.....OH
K0ORK.....MN	K9ZTV.....MO	AF7TR.....MT	ND0CW.....ND	K2DLS.....NJ	WD5COV.....NM	KD2E2L.....NY	N8VV.....OH
K0PC.....MN	KB0QHZ.....MO	K0PP.....MT	NN1N.....ND	K2MK.....NJ	3Z9X.....NV	KE2FIX.....NY	N9AUG.....OH
K0QEI.....MN	KCOM.....MO	K0SN.....MT	NT0V.....ND	K2NG.....NJ	AE6J.....NV	KD2UK.....NY	N9RC.....OH
K0RC.....MN	KC0QLU.....MO	K6PJ.....MT	W0CZ.....ND	K2QP.....NJ	A16I.....NV	KM2L.....NY	ND8L.....OH
K0SF.....MN	KD0AKF.....MO	K7ABV.....MT	W0FOB.....ND	K2RET.....NJ	A16V.....NV	KM2O.....NY	NN8M.....OH
K0SIX.....MN	KD0FW.....MO	K7VK.....MT	W0TF.....ND	K2SE.....NJ	A16YL.....NV	KS2G.....NY	NT8Z.....OH
K0SV.....MN	KD0IXM.....MO	K7YB.....MT	W0TUP.....ND	K2SG.....NJ	DJ0QN.....NV	N2ASD.....NY	NX8G.....OH
K0TI.....MN	KD0JBN.....MO	KB7FSC.....MT	W7MEX.....ND	K2SQS.....NJ	K6ELE.....NV	N2BEG.....NY	NY8P.....OH
K0TT.....MN	KD0NEO.....MO	KB7Q.....MT	W9NT.....ND	K2TJT.....NJ	K6JEB.....NV	N2CK.....NY	W8CAR.....OH
K0VH.....MN	KD0PLS.....MO	KD7DCR.....MT	WA0CSL.....ND	K2UNK.....NJ	K6JS.....NV	N2DQV.....NY	W8EH.....OH
K0XB.....MN	KD0PMW.....MO	KF7BA.....MT	AA0ZP.....NE	K2UYH.....NJ	K6MM.....NV	N2EHG.....NY	W8ERD.....OH
K1KD.....MN	KD0UAG.....MO	KJ9C.....MT	AA7RX.....NE	K2UX.....NJ	K6NV.....NV	N2EGA.....NY	W8EX.....OH
K3WT.....MN	KD0VMM.....MO	KK4LRR.....MT	AG0L.....NE	K3EL.....NJ	K6SRZ.....NV	N2GC.....NY	W8KTQ.....OH
K4IU.....MN	KD0VUX.....MO	KK7UV.....MT	K0DI.....NE	K3ZV.....NJ	K6ST.....NV	N2KI.....NY	W8RIK.....OH
K9EQ.....MN	KD0VVY.....MO	KL9A.....MT	K0GND.....NE	KB2FCV.....NJ	K7MS.....NV	N2KW.....NY	W8TDA.....OH
K9XQ.....MN	KF0TW.....MO	KS7T.....MT	K0IDT.....NE	KC2LSD.....NJ	K7NV.....NV	N2MUN.....NY	W8WTS.....OH
KB0EO.....MN	KG0KP.....MO	KT9X.....MT	K0KTZ.....NE	KF2TI.....NJ	K7VY.....NV	N2PEQ.....NY	WB8NJR.....OH
KC0CJP.....MN	KI0I.....MO	N0QXW.....MT	K0NC.....NE	KQ2RP.....NJ	KB6UNC.....NV	N2SAB.....NY	WD8E.....OH
KC0IYT.....MN	KW0KW.....MO	N3RC.....MT	K0NEB.....NE	KU2C.....NJ	KD6WKY.....NV	N2UJN.....NY	WS6K.....OH
KC0OUZ.....MN	NOBDS.....MO	N7DXT.....MT	K0NEB.....NE	N1IBM.....NJ	KD7KUJ.....NV	N2UN.....NY	WT8C.....OH
KC0RSX.....MN	NOGW.....MO	N7FLT.....MT	K0XU.....NE	N2CG.....NJ	KD7QXO.....NV	N2YBB.....NY	WU8R.....OH
KC0TAB.....MN	N0IS.....MO	N7IP.....MT	K9RZ.....NE	N2CW.....NJ	KE4TZ.....NV	N2ZN.....NY	WZ8P.....OH
KC9ECI.....MN	N0TKN.....MO	N7PTM.....MT	KA0VXK.....NE	N2ED.....NJ	KF2TI.....NV	NA3E.....NY	AF5CC.....OK
KC9IWE.....MN	N0TT.....MO	N8FKF.....MT	KB0LF.....NE	N2GM.....NJ	KG7HBY.....NV	NV2K.....NY	AF5Q.....OK
KD0EMJ.....MN	NOZH.....MO	N9DRS.....MT	KB0QHZ.....NE	N2GXJ.....NJ	KH2TJ.....NV	NX2X.....NY	K2BA.....OK
KD0WZV.....MN	N3PDT.....MO	N9RV.....MT	KC0JRW.....NE	N2HM.....NJ	N2HM.....NV	NY2SI.....NY	K5RRD.....OK
KD0YOB.....MN	N5RR.....MO	NE4RD.....MT	KD0VMI.....NE	N2HMM.....NJ	KK6EOR.....NV	W2BSN.....NY	K5TTT.....OK
KD0YRF.....MN	N7BD.....MO	W7ETY.....MT	KQ0J.....NE	N2IEL.....NJ	KK7YV.....NV	W2CS.....NY	K5UV.....OK
KE0G.....MN	N7WY.....MO	W7GJ.....MT	KR0P.....NE	N2KOJ.....NJ	KM6CQ.....NV	W2GDJ.....NY	K5WE.....OK
KF0Q.....MN	NI0R.....MO	W7IWW.....MT	KT0K.....NE	N2NC.....NJ	KM9R.....NV	W2GR.....NY	K5WG.....OK
KI0F.....MN	NOOL.....MO	W7KF.....MT	KY0K.....NE	N2NT.....NJ	KM1N.....NV	W2HCB.....NY	K5YAA.....OK
KR0K.....MN	NS0D.....MO	W7LR.....MT	N0ADR.....NE	N2OO.....NJ	KQ6DV.....NV	W2JV.....NY	KD5FX.....OK
KW0U.....MN	W0HBH.....MO	W7MMQ.....MT	N0GVK.....NE	N2OZ.....NJ	KU6F.....NV	W2LK.....NY	KE5TGZ.....OK
N0BK.....MN	W0NFS.....MO	W7PAQ.....MT	N0LKN.....NE	N2RJ.....NJ	KU7Y.....NV	W2PA.....NY	KF5GTX.....OK
N0BUI.....MN	W0RH.....MO	WA7U.....MT	N0LWF.....NE	N2ST.....NJ	KV5Q.....NV	W2P1P.....NY	NO1RW.....OK
N0ECK.....MN	W0RMS.....MO	WA7YD.....MT	N0UJT.....NE	N2VW.....NJ	N2GTO.....NV	W2RMS.....NY	NSAQ.....OK
N0HJZ.....MN	W0SLW.....MO	WN7Y.....MT	NOZBY.....NE	N2WKS.....NJ	N6RNO.....NV	W2RU.....NY	N5KW.....OK
N0IJ.....MN	W0TT.....MO	AA4FU.....NC	NOZFC.....NE	N3AD.....NJ	N6XI.....NV	W2SFD.....NY	N5OHL.....OK
N0IM.....MN	W0VM.....MO	AA4NC.....NC	NB0W.....NE	NA2AA.....NJ	N7AC.....NV	W2SO.....NY	N5OK.....OK
N0JP.....MN	W2AGR.....MO	AJ4TW.....NC	NF0N.....NE	N2R.....NJ	N7VOU.....NV	W2TZ.....NY	N5UM.....OK
N0KK.....MN	W5W1.....MO	K2AV.....NC	NO0A.....NE	N0MHK.....NJ	N7YQ.....NV	W2UIS.....NY	NSZY.....OK
N0ODK.....MN	W7FB.....MO	K3IRV.....NC	NU0C.....NE	W1UL.....NJ	NQ6N.....NV	WA2DNI.....NY	NB5N.....OK
N0UC.....MN	WA0BSW.....MO	K4CEB.....NC	W1CAM.....NE	W2CCW.....NJ	NW6P.....NV	WA2OAX.....NY	NE5S.....OK
N0UR.....MN	WA0IYY.....MO	K4DXA.....NC	WB0M.....NE	W2CG.....NJ	NY4G.....NV	WB2BTJ.....NY	NE5S.....OK
N0UV.....MN	WA0JCO.....MO	K4JH.....NC	WB0MNV.....NE	W2FB.....NJ	NZ6Q.....NV	WB2KSP.....NY	NN5Q.....OK
N0XOC.....MN	WA0JRJ.....MO	K4OV.....NC	WB0YYE.....NE	W2FDB.....NJ	W4GAL.....NV	WB2NVR.....NY	W5CV.....OK
N0YNT.....MN	WB0HS.....MO	K4QPL.....NC	WM0L.....NE	W2ID.....NJ	W6SX.....NV	WB2SXY.....NY	W5KSU.....OK
N1UW.....MN	WBOO.....MO	K4UWH.....NC	WY0V.....NE	W2IRT.....NJ	W6UQZ.....NV	WC2L.....NY	W5LE.....OK
N2PSR.....MN	WB0SND.....MO	K5EK.....NC	AA1QD.....NH	W2JC.....NJ	W7NIK.....NV	WF2S.....NY	W5TMC.....OK
NA0N.....MN	WB2UFO.....MO	K7BV.....NC	AB1OC.....NH	W2KP.....NJ	W7SK.....NV	W2SDX.....NY	WA5YNE.....OK
NR0T.....MN	WC0W.....MO	KB7NLA.....NC	AB1QB.....NH	W2LE.....NJ	W7YKN.....NV	AA8IA.....OH	WB5GCX.....OK
NV0P.....MN	WD0BC.....MO	KG4TAH.....NC	AC1Z.....NH	W2LPL.....NJ	WA6O.....NV	AB8M.....OH	WD0GTY.....OK
NX0X.....MN	7K4QOK.....MP	KK4RR.....NC	AE1N.....NH	W2MMD.....NJ	WB6JAD.....NV	AC6ZM.....OH	W00KEE.....OK
W0BM.....MN	JE1CKA.....MP	KK4UNZ.....NC	AE1P.....NH	W2NO.....NJ	WD6CHC.....NV	AL7BA.....OH	WQ5R.....OK
W0DC.....MN	JF2XGF.....MP	KS4S.....NC	AE1T.....NH	W2NPT.....NJ	WK6I.....NV	K1LT.....OH	AA5TL.....OR
W0ERP.....MN	JH6RTO.....MP	KU4V.....NC	AF1T.....NH	W2RDM.....NJ	WU6X.....NV	K4ZLE.....OH	AD7L.....OR
W0IS.....MN	JJ2VLY.....MP	N1LN.....NC	K1AC.....NH	W2RDS.....NJ	WX1S.....NV	K8AOK.....OH	AD7UP.....OR
W0LM.....MN	JQ2IQW.....MP	N1YXU.....NC	K1AR.....NH	W2RQ.....NJ	WX5S.....NV	KA8Z.....OH	AE7FI.....OR
W0MR.....MN	JR2S3J.....MP	N2COP.....NC	K1BX.....NH	W2UDT.....NJ	AA2AN.....NY	K8BL.....OH	AE7IK.....OR
W0OPW.....MN	JR4OZJ.....MP	N2TU.....NC	K1DG.....NH	W2USF.....NJ	AA2DT.....NY	K8BTU.....OH	K0JJ.....OR
W0OR.....MN	KH2L.....MP	N3ND.....NC	K1EEE.....NH	W2YC.....NJ	AA2VY.....NY	K8CMO.....OH	K2DI.....OR
W0PR.....MN	WH0V.....MP	N4AA.....NC	K1KA.....NH	WA2ACV.....NJ	AB2ZY.....NY	K8CR.....OH	K2PO.....OR
W0RDT.....MN	AB6Z.....MS	N4GBK.....NC	K1LKP.....NH	WA2EPI.....NJ	AC2FA.....NY	K8DV.....OH	K4XU.....OR
W0SHL.....MN	AD5IT.....MS	N4GU.....NC	K1PJ.....NH	WA3RHW.....NJ	AC2JO.....NY	K8DXR.....OH	K5IRT.....OR
W0VW.....MN	AE5SK.....MS	N4KQ.....NC	K1QX.....NH	WB2P.....NJ	AC2MG.....NY	K8LEE.....OH	K5VP.....OR
W0YFZ.....MN	AE5TR.....MS	N4PY.....NC	K1RO.....NH	W02X.....NJ	AF2K.....NY	K8MFO.....OH	K6UM.....OR
W0ZQ.....MN	AG5Z.....MS	N4UEZ.....NC	K1RX.....NH	WQ2N.....NJ	AG2AA.....NY	K8MP.....OH	K7BVT.....OR
W9LHG.....MN	K2FF.....MS	W0UCE.....NC	K1SET.....NH	WU2E.....NJ	K1PY.....NY	K8ND.....OH	K7CIE.....OR
WA0MHJ.....MN	K5DSG.....MS	W3GQ.....NC	K1TR.....NH	WX2I.....NJ	K2CYE.....NY	K8PP.....OH	K7EUG.....OR
WA0OTO.....MN	K5IJ.....MS	W3OA.....NC	K1ZO.....NH	WX2S.....NJ	K2DV.....NY	K8RYU.....OH	K7JPF.....OR
WA0RKE.....MN	K5JAW.....MS	W3ZL.....NC	K2TE.....NH	AF5FH.....NM	K2HAT.....NY	K8ZT.....OH	K7LCL.....OR
WB0ENX.....MN	K5OMC.....MS	W4MPS.....NC	KA1API.....NH	AG5S.....NM	K2IZ.....NY	K9NW.....OH	K7NAA.....OR
WB0N.....MN	K5TLL.....MS	W4NC.....NC	KA1GJU.....NH	K1JD.....NM	K2MP.....NY	KA8QOF.....OH	K7RF.....OR

K7SQ.....OR	N3XLS.....PA	N4XL.....SC	W4PV.....TN	W4WJ.....TX	N0IMB.....VA	K6TKU.....WA	WA7LT.....WA
K7UN.....OR	NB2R.....PA	N9ZG.....SC	W4TTM.....TN	W5AAC.....TX	N2QT.....VA	K7AR.....WA	WA7TZ.....WA
K7VIT.....OR	NE3F.....PA	ND4Z.....SC	W4UT.....TN	W5AJ.....TX	N2YO.....VA	K7BTW.....WA	WB7CON.....WA
K7VV.....OR	NG3J.....PA	NJ4F.....SC	W4WRB.....TN	W5BAK.....TX	N3JT.....VA	K7CEX.....WA	WC7I.....WA
K7ZM.....OR	NJ3K.....PA	NN4S.....SC	W8IFG.....TN	W5CNW.....TX	N3KN.....VA	K7EDX.....WA	WC7Q.....WA
K7ZS.....OR	NN3Q.....PA	W1TEF.....SC	W9WI.....TN	W5LET.....TX	N3TG.....VA	K7GS.....WA	WD7K.....WA
KA6BIM.....OR	NO3M.....PA	W4ANT.....SC	WA4AA.....TN	W5PFG.....TX	N3UA.....VA	K7JF.....WA	WE7X.....WA
KB7NJV.....OR	NQ3Y.....PA	W4FC.....SC	WA4HFN.....TN	W5RH.....TX	N3ZV.....VA	K7MAQ.....WA	WR5J.....WA
KD7MSC.....OR	NR3C.....PA	W4IX.....SC	WA4NVM.....TN	W5RKN.....TX	N4DXS.....VA	K7MO.....WA	WR7K.....WA
KE7AUB.....OR	NS3L.....PA	W4MEL.....SC	WA4VGZ.....TN	W5TA.....TX	N4HB.....VA	K7RI.....WA	WS7I.....WA
KF7RSF.....OR	NW3H.....PA	W4RWL.....SC	WB4MDX.....TN	W5TSN.....TX	N4JOW.....VA	K7RSJ.....WA	WV7Y.....WA
KI7Y.....OR	W3AV.....PA	W4SLT.....SC	WB4YDL.....TN	W5UP.....TX	N4MM.....VA	K7TMW.....WA	WZ7T.....WA
KK7YC.....OR	W3BTX.....PA	W4STR.....SC	WB4ZBI.....TN	W8FN.....TX	N4NW.....VA	K7VAP.....WA	AA9A.....WI
KT7E.....OR	W3CC.....PA	WA5KSC.....SC	WT4BT.....TN	W9DX.....TX	N4PD.....VA	K7WA.....WA	AA9RN.....WI
KX7YT.....OR	W3EA.....PA	WA8OJR.....SC	AA5AM.....TX	WA5FWC.....TX	N4QX.....VA	K7XH.....WA	K9GS.....WI
N6TR.....OR	W3FIZ.....PA	WN4AFP.....SC	AA5PK.....TX	WA5ROE.....TX	N4UA.....VA	K9JF.....WA	K9IMM.....WI
N7IY.....OR	W3FV.....PA	AAOF.....SD	AA5VU.....TX	WB5TUF.....TX	N4UP.....VA	K9QJ.....WA	K9KL.....WI
N7JI.....OR	W3JTV.....PA	AD0BN.....SD	AC4CA.....TX	WF5E.....TX	N4VA.....VA	K9VD.....WA	K9MU.....WI
N7MQ.....OR	W3KB.....PA	AD0DN.....SD	AD5XD.....TX	AD7KG.....UT	N4ZH.....VA	KA7LJQ.....WA	K9OM.....WI
N7QR.....OR	W3MF.....PA	AEOP.....SD	AF4B.....TX	AF7Y.....UT	NC4S.....VA	KC7PH.....WA	K9TY.....WI
N7VS.....OR	W3ON.....PA	K0PIR.....SD	K0LIB.....TX	AG1T.....UT	NN4RB.....VA	KD7DK.....WA	KA9FOX.....WI
NC7M.....OR	W3RMS.....PA	K0WIIU.....SD	K5AV.....TX	AK7O.....UT	NR4M.....VA	KD7H.....WA	KB9OWD.....WI
NE7D.....OR	W3RTY.....PA	KB0KBJ.....SD	K5BG.....TX	K7CDX.....UT	W0CN.....VA	KE7JBF.....WA	KB9TPG.....WI
NK7U.....OR	W3SAX.....PA	KB0WSW.....SD	K5BRY.....TX	K7JL.....UT	W0QQG.....VA	KF7PBM.....WA	NOAKC.....WI
NW6V.....OR	W3TC.....PA	KC0DAS.....SD	K5DHY.....TX	K7UA.....UT	W1IE.....VA	KF7TTG.....WA	NOIJ.....WI
NX1P.....OR	W3UM.....PA	KD0EE.....SD	K5DUH.....TX	KC7PM.....UT	W2RU.....VA	KF7TTM.....WA	N9BC.....WI
W2VJN.....OR	W3YQ.....PA	KD0QYR.....SD	K5GA.....TX	KD7KMZ.....UT	W3YY.....VA	KF7UHK.....WA	N9CIQ.....WI
W6ABM.....OR	WA3HLC.....PA	KD0S.....SD	K5GH.....TX	KE7MTR.....UT	W4AU.....VA	KF7WCM.....WA	N9CK.....WI
W6RA.....OR	WA3LWR.....PA	KJOM.....SD	K5GN.....TX	KF7IQ.....UT	W4BUE.....VA	KG7CME.....WA	N9ISN.....WI
W7CAR.....OR	WA3MIX.....PA	KM0F.....SD	K5HM.....TX	KF7P.....UT	W4DKS.....VA	KG7GEV.....WA	N9LB.....WI
W7SHF.....OR	WB3CNJ.....PA	KTOA.....SD	K5HTE.....TX	KF7TDP.....UT	W4DR.....VA	KG7GWD.....WA	N9NE.....WI
W7VO.....OR	WB3DEL.....PA	N0ARJ.....SD	K5IID.....TX	KG7C.....UT	W4JAM.....VA	KG7GXY.....WA	N9ROY.....WI
W7VOX.....OR	WB3LHD.....PA	N0MHL.....SD	K5JTH.....TX	N0KGM.....UT	W4MYA.....VA	KG7HAX.....WA	NE9U.....WI
W7VS.....OR	WB3R.....PA	N0OTJ.....SD	K5KJ.....TX	N5LZ.....UT	W4NF.....VA	KG7LEA.....WA	NF9V.....WI
W7WVF.....OR	WD3D.....PA	W0DB.....SD	K5KV.....TX	N7BAN.....UT	W4PJW.....VA	KG7MIY.....WA	NV9L.....WI
W7XQ.....OR	WW3S.....PA	W0EJ.....SD	K5LLA.....TX	N7GTE.....UT	W4PM.....VA	KG7NJQ.....WA	W0AIH.....WI
W7YOW.....OR	WX3K.....PA	W7XU.....SD	K5MR.....TX	N7RXL.....UT	W4ZYT.....VA	KG7OQT.....WA	W0UC.....WI
W7ZB.....OR	K9NW.....PR	W8MHW.....SD	K5MXG.....TX	N7SMI.....UT	W6HGF.....VA	KI7DG.....WA	W4PAH.....WI
W7ZF.....OR	K9PG.....PR	WA0GMH.....SD	K5NA.....TX	NG7M.....UT	W6IHG.....VA	KJ7VC.....WA	W9AV.....WI
W7ZI.....OR	KP4BD.....PR	WA0JH.....SD	K5NZ.....TX	NS7K.....UT	W6LWG.....VA	KK7UF.....WA	W9JA.....WI
WA7AJ.....OR	KP4JFR.....PR	AC4G.....TN	K5OT.....TX	NY6C.....UT	W8KRZ.....VA	KL7BB.....WA	W9PN.....WI
WA7ND.....OR	KP4JRS.....PR	AD4EB.....TN	K5PI.....TX	W7CT.....UT	WA4NUF.....VA	KL7WM.....WA	W9RMA.....WI
WA7YXY.....OR	NP3A.....PR	AF4QB.....TN	K5QE.....TX	W7GA.....UT	WD4LBR.....VA	KN7T.....WA	W9WLX.....WI
WI7N.....OR	NP3CW.....PR	AK4QU.....TN	K5RT.....TX	W7SUR.....UT	WS6X.....VA	KO7I.....WA	W9XT.....WI
WS7L.....OR	NP3IR.....PR	K0EJ.....TN	K5RX.....TX	W7UT.....UT	KP2JS.....VI	KT7G.....WA	WB9MSM.....WI
WS7N.....OR	NP4A.....PR	K1GU.....TN	K5RZA.....TX	WA7LNW.....UT	N2TK.....VI	KW7Y.....WA	WB9SBD.....WI
AA3BK.....PA	NP4G.....PR	K3FH.....TN	K5TR.....TX	WA7STB.....UT	N4BP.....VI	KX7L.....WA	WI9W.....WI
AA3K.....PA	WP3A.....PR	K4AMQ.....TN	K5UUT.....TX	WF4U.....UT	NP2KW.....VI	KZ1W.....WA	WO9U.....WI
AB3TY.....PA	WP3GW.....PR	K4BP.....TN	K5VWV.....TX	WI7P.....UT	NP2L.....VI	N6AU.....WA	WW9R.....WI
AD3AA.....PA	WP4N.....PR	K4DXV.....TN	K5WAF.....TX	WR7Q.....UT	NP2PI.....VI	N6KW.....WA	AB8RL.....WV
K3ATO.....PA	WP4U.....PR	K4DZR.....TN	K5WL.....TX	WV7P.....UT	W3FIZ.....VI	N6NR.....WA	K3JT.....WV
K3CC.....PA	K1DM.....RI	K4EDI.....TN	K5YNZ.....TX	AB4D.....VA	W3FV.....VI	N7AU.....WA	K8MR.....WV
K3HR.....PA	K1DT.....RI	K4IDK.....TN	K6ZB.....TX	AB4SF.....VA	W4OV.....VI	N7BHB.....WA	K8NY.....WV
K3LA.....PA	K1EMB.....RI	K4LTA.....TN	KA5PVB.....TX	AC4BT.....VA	WP2B.....VI	N7BV.....WA	K8OHZ.....WV
K3LEA.....PA	K1JSM.....RI	K4OWR.....TN	KC0FFV.....TX	AC8Y.....VA	WP2E.....VI	N7CVV.....WA	K8RT.....WV
K3MD.....PA	K1PLX.....RI	K4RO.....TN	KD0FAA.....TX	AD4TJ.....VA	WP2XX.....VI	N7DRW.....WA	K8WDX.....WV
K3MF.....PA	K1SD.....RI	K4VIG.....TN	KE5BRF.....TX	KOZR.....VA	AA1.....VT	N7HJC.....WA	KD8WSP.....WV
K3MJW.....PA	K1XA.....RI	K4YRK.....TN	KE5OG.....TX	K1GG.....VA	AA1PR.....VT	N7KRN.....WA	KG4RRN.....WV
K3MSB.....PA	K3IU.....RI	K5WHY.....TN	KF5KGL.....TX	K1HTV.....VA	AA1SU.....VT	N7MWC.....WA	KV8S.....WV
K3ND.....PA	K5ZD.....RI	K5YS.....TN	KF5VIY.....TX	K2PI.....VA	AA1YW.....VT	N7MZ.....WA	N4SLR.....WV
K3NK.....PA	KA1ERL.....RI	KA4OTB.....TN	KF5WGN.....TX	K3MAF.....VA	K1KU.....VT	N7NM.....WA	N4ZR.....WV
K3OO.....PA	KB1RFJ.....RI	KB4JHU.....TN	KG5U.....TX	K3TRM.....VA	K1LI.....VT	N7TK.....WA	N8ASG.....WV
K3PH.....PA	K1G.....RI	KC8NNO.....TN	KN5TX.....TX	K3UI.....VA	K1RX.....VT	N7TLL.....WA	N8DX.....WV
K3PLV.....PA	KS1J.....RI	KD4VVC.....TN	KU5B.....TX	K3ZM.....VA	N1VMT.....VT	N7VWH.....WA	N8II.....WV
K3PP.....PA	KZ1K.....RI	KE4ETY.....TN	N1CC.....TX	K4AMG.....VA	K1ZK.....VT	N7WA.....WA	N8RR.....WV
K3QIA.....PA	N1DM.....RI	KF4LNX.....TN	N3BUO.....TX	K4CGY.....VA	K2LAD.....VT	N7XS.....WA	N8SFO.....WV
K3RWN.....PA	N1NK.....RI	KJ4BIX.....TN	N5AW.....TX	K4DJG.....VA	K2LE.....VT	N9ADG.....WA	W8IW.....WV
K3SWZ.....PA	N1RR.....RI	KJ4TFU.....TN	N5DO.....TX	K4ED.....VA	K2VUI.....VT	NR7O.....WA	W8MLG.....WV
K3TEJ.....PA	NB1U.....RI	KK4CGY.....TN	N5HY.....TX	K4EME.....VA	KB1FRW.....VT	NU7J.....WA	W8MLS.....WV
K3TLP.....PA	NG1G.....RI	KK4IWN.....TN	N5IR.....TX	K4FJ.....VA	KB1IVE.....VT	NX7DX.....WA	W8OI.....WV
K3TUF.....PA	NN1N.....RI	KK4OVW.....TN	N5JR.....TX	K4GMH.....VA	KB1WXM.....VT	VE7IS.....WA	W8OP.....WV
K3UA.....PA	W1AN.....RI	N1K1.....TN	N5KF.....TX	K4GTF.....VA	KB5VP.....VT	VE7QE.....WA	W8TN.....WV
K3WGR.....PA	W1GS.....RI	N2BFD.....TN	N5KM.....TX	K4HQK.....VA	KC1AHC.....VT	W7AML.....WA	W8VPN.....WV
K3WSX.....PA	W1KMA.....RI	N4BCD.....TN	N5KWN.....TX	K4IA.....VA	KK1L.....VT	W7BJN.....WA	WT8V.....WV
K8MNJ.....PA	W1LY.....RI	N4DW.....TN	N5NU.....TX	K4MI.....VA	KK1W.....VT	W7CCY.....WA	WW8RT.....WV
KA3C.....PA	W1OP.....RI	N4PL.....TN	N5QQ.....TX	K4ML.....VA	KX1X.....VT	W7CH.....WA	AD9V.....WY
KA3LUN.....PA	W1UE.....RI	N4UW.....TN	N5RZ.....TX	K4ORD.....VA	N1AW.....VT	W7CNP.....WA	AF7E.....WY
KB3CO.....PA	W1WBB.....RI	N4VV.....TN	N5TJ.....TX	K4OSO.....VA	N1BCL.....VT	W7DAO.....WA	KOKR.....WY
KB3LIX.....PA	W1WIU.....RI	N4ZZ.....TN	N5TM.....TX	K4RCG.....VA	N1CAI.....VT	W7DFO.....WA	K7TNT.....WY
KC3AJM.....PA	W1YM.....RI	N8FF.....TN	N5XZ.....TX	K4SO.....VA	N1FBZ.....VT	W7EIR.....WA	KE0E.....WY
KC3BRQ.....PA	W1YRC.....RI	N8UM.....TN	N5ZC.....TX	K4SNNW.....VA	N1FJ.....VT	W7GB.....WA	KO7X.....WY
KC3JV.....PA	WA1UWU.....RI	N9D GK.....TN	N5ZT.....TX	K4XL.....VA	N1GB.....VT	W7GTF.....WA	N7MJ.....WY
KC3M.....PA	WB4SON.....RI	NA4C.....TN	N9TX.....TX	K7SV.....VA	N1JEZ.....VT	W7JTW.....WA	N7MZW.....WY
KD3RF.....PA	AA4SC.....SC	NA4K.....TN	NA6M.....TX	KA4RRU.....VA	N2GA.....VT	W7KXB.....WA	N7NG.....WY
KK4YEH.....PA	AE4VJ.....SC	NI1Y.....TN	NE5DL.....TX	KC4D.....VA	VE2EVN.....VT	W7LEA.....WA	W6KG.....WY
KK6L.....PA	K2SX.....SC	NM9U.....TN	NI5DX.....TX	KC4DV.....VA	VE2HKW.....VT	W7LRD.....WA	W7JS.....WY
KW3F.....PA	K4AOC.....SC	NY4N.....TN	NM5M.....TX	KC4QP.....VA	W1FP.....VT	W7SLS.....WA	W7MEW.....WY
KX2S.....PA	K4CNW.....SC	W4BCG.....TN	NR5M.....TX	KD6AKC.....VA	W1ICW.....VT	W7SXM.....WA	WB7GR.....WY
N2NC.....PA	K4FI.....SC	W4DTA.....TN	NS5J.....TX	KE4S.....VA	W1UE.....VT	W7TG.....WA	WB7S.....WY
N3AD.....PA	K4XP.....SC	W4EEH.....TN	NW0F.....TX	KG4W.....VA	W1VE.....VT	W7VAS.....WA	WCT5.....WY
N3AS.....PA	K4YYL.....SC	W4HZD.....TN	NW5M.....TX	KI4UDF.....VA	W1ZU.....VT	W7VJ.....WA	WC7WB.....WY
N3ITN.....PA	K7OM.....SC	W4LWW.....TN	NX5M.....TX	KJ4VTH.....VA	W4YFJ.....VT	W7VXS.....WA	WG7Y.....WY
N3LPJ.....PA	K9FEN.....SC	W4MSJ.....TN	W0MM.....TX	KK4ODQ.....VA	WD1S.....VT	W7WA.....WA	
N3NTF.....PA	KN4QD.....SC	W4NI.....TN	W0VX.....TX	KK4PHS.....VA	AC7YL.....WA	W7ZF.....WA	
N3OW.....PA	KS4YX.....SC	W4NZ.....TN	W1JCW.....TX	KK4QPJ.....VA	AD7F.....WA	WA4EJA.....WA	
N3ST.....PA	N4UFP.....SC	W4ODB.....TN	W4BSB.....TX	KQ9P.....VA	AE7NR.....WA	WA7JT.....WA	





## W1AW, The Hiram Percy Maxim Memorial Station

The most well-known Amateur Radio station in the world, W1AW, is located on the grounds of ARRL Headquarters in Newington, Connecticut. The W1AW call sign was originally held by ARRL Co-Founder and first ARRL President Hiram Percy Maxim. W1AW transmits bulletins in Morse code, voice, and digital modes several times a day, as well as Morse code practice transmissions. The station is equipped with several operating positions, which are made available to visitors with a valid Amateur Radio license. In addition to being a working Amateur Radio station, W1AW also displays several artifacts related to the life and career of Hiram Percy Maxim, including his rotary spark-gap transmitter, "Old Betsy." The Hiram Percy Maxim Memorial Station marked its 75th anniversary in September 2013.



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