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## FIELD DAY 2002

was a great success! Field Day 2002 is over but the memories linger on for all who took part in this year's Field Day effort. In this issue's RANDOM WIRE column, written by a guest writer, full details of Field Day will be told. Check it out!



**Mark KB8QHJ & Prez Bob W8GC working 20 meters phone at Field Day**

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## Picnic Meeting In The Park

Once again we will be holding our July meeting in the Brecksville branch of the Metro Parks, at the Oak Grove Picnic area. The regular meeting starts at 7:30 P.M. but come early and bring something to cook on the grill. There will be hot coals for barbequing anything you desire, from hot dogs to steaks. Or you can just stop by the local Micky D's and pick up something there as well.

The location is easy to find. Take Brecksville Rd. south from Rt. 82 to the park entrance, just past the Shawnee Hills Golf Course. The entrance is on the east side. Go about a mile and a half to the entrance to the Oak Grove Picnic area. There is a sign pointing the way. Take the drive to the picnic area and you'll see the cars with the antennas! Hope to see you there!



**Roger N8TCP, demonstrating PSK31 to Dave KD8V and Jim KC8TXZ at last picnic meeting.**

## FROM THE PREZ

It was great to see 32 at our 1st outdoor meeting at the Brecksville reservation this year.

Ron K8VJG is still providing refreshments while acting as Secretary pro-tem. Ron collected \$62.00 for the 50/50 drawing this month, the winner was Tom WB8N, he received \$31.00, way to go Tom!

Anyone who did not pick up your photo ID badge at the June 15 meeting I will have them at the July 17 meeting or e-mail or call me to make arrangements to get your badge.

Anyone interested in a **tour of the WKYC ch 3 studios** located in downtown Cleveland please contact me by e-mail (president@cars.org) or phone (216-524-1750) with your reservation. We will schedule a tour in August on a Saturday morning but I must know how many will be interested in attending.

I have appointed Mike K8EHP & Dave W8IXY as co-chairman for our 2002 Christmas party, I hope to have some information at our July meeting.

Congratulations to our 7 newly elected members: Phil KA8EOW, Jeremy N1OTN, Frank WB8BGN, Richard KC8RWC, Bob N8ORT, John KC8TJK and Jim KC8TXZ. I hop to see you at meetings, we have lots of projects you can get involved in.

Field Day has come and gone and we all had a great time and plenty of on the air operating. Look for pictures and lots of details in this issue.

Please try to attend the July meeting as we have several important issues on the agenda, we will elect a new Secretary and replace 2 board members. So come early, cook hot dogs, hamburgers, talk about Field Day the August Fox hunt or just show up for the meeting and enjoy the evening.

Next meeting is July 17, 2002, 7:30PM at the Brecksville Metro Parks.

de, Bob W8GC

### MONTHLY TRIVIA QUESTION

Keeping in a FIELD DAY mode this month, the question has to do with Field Day.

In what year was the first Field Day Held?

1. 1945
2. 1952
3. 1933
4. 1960

The answer can be found elsewhere in this issue.

## **Minutes of the Meeting of CARS 19 June, 2002**

The meeting was called to order at 7:37 PM by W8GC, Bob. Introductions were given by the 32 members in attendance.

W8GC thanked Dave Kushman, K8DAV, for the tour to WKYC television transmitter site on Saturday, 08 June, 2002 we had 20 attend. Tom WB8N congratulated Dave on his Emmy Award for Technical Achievement.

A motion to accept the minutes of the May meeting was made by Roger, N8TCP, and seconded by KC8MRC, Bob. The motion was voted on and approved.

The treasurer Mike, KB8UGT, presented his report.

George, K8KR, is ill as informed to us by Bob, W8GC. Aaron, KC8INE, our sunshine person, will send him a card.

A discussion on the 6 meter repeater was opened by Bob, W8GC.

The 7 new membership candidates are: Phillip Harding, KA8EOW, Jeremy Browner, N1OTN, Frank Benadum, WB8BGN, Richard Krinov, KC8RWC, Robert Norris Jr., N8ORT, John Takaht, KC8TJK, and Jim Toth, KC8TXZ. These candidates were voted on and accepted into the club. Congratulations to all. Each was presented with a CARS Membership Book, patch and mug.

A discussion on Field Day was opened by Tom, WB8N. We will be operating 6A using the call NO8A. The GOTA station will use K8ZFR.

Roger, N8TCP, announced that a Fox Hunt will be held before the August meeting in the park. The hunt will start at 6 PM.

W8GC appointed a Christmas party committee, Dave W8IXY and Mike K8EHP will be co-chairman.

The 50/50 raffle share of \$31.00 was won by Tom, WB8N.

A motion to close the meeting was made by Fred, NO2O, and seconded by Ev, WA8EYF. The meeting adjourned at 8:14 PM.

After the meeting Gary, NI8Z, had an instruction session on Field Day Operation and the logging program we will use.

Submitted by : Ron, K8VJG- Secretary Pro- Tem

### **ANSWER TO TRIVIA QUESTION**

The answer might surprise you!

The very first Field Day was held June 10 and 11, 1933!

Only portable stations, in the field away from the home address, were eligible to submit Field Day scores.

**THE RANDOM WIRE**  
by **Prof. Wardell P. Spit'tel Esq., K8DIM**  
**Guest Columnist**

**FIELD DAY**

Hi fellow amateurs. Thanks to Tom, WB8N I am writing this month's Random Wire column. Tom thought it best to be written by a non-participating party of Field Day. So here goes...

CARS 2002 effort at Field Day was again held at the Al Koran facilities in Broadview Heights. And a great facility it is too! Indoor kitchen, indoor bathrooms, and an all around wonderful spot.

Some of the Field Day crew went out to the site Friday evening to set up tents and check things out. The first thing Saturday morning they were out there putting up antennas and setting up the stations. They broke for lunch which was bratwurst sandwiches which was prepared by the team of Mary Cegelski (wife of Mike K8EHP) and Ev Chitester. WA8EYF and a great pasta salad donated by Tom, WB8N. Tom procured most of the food for the meals although donations were made by others, which will be mentioned later.

After lunch it was back to work to get the stations ready to go on the air by 1400 hours local time! Most of the stations were ready and operating by the deadline. A couple operators had some minor problems which were worked out. One major glitch happened to WB8N's station. He was getting out, with a good swr match and 90 watts of power, but no one was coming back to him! Tom spent over an hour trying to figure out what the heck was wrong, when he finally discovered he had been operating split mode, meaning he was transmitting on one frequency and listening on another! Wonder how many operators were a bit peeved at him?

Anyway, after he solved that problem things ran smoothly. There were six stations operating under the callsign of NO8A including a PSK31 station, as well as a six meter station. The Get On The Air station operated under K8ZFR. Both are club callsigns assigned to CARS.



**WB8N, wondering why no one is answering him on 40 meters CW.**

Dinnertime was fast approaching, and our Prez, Bob W8GC donated a great batch of sloppy joes for dinner, along with a tossed salad and some great baked beans donated by Gordon W8GTK. Mary got everything ready to be devoured by the hungry hams.



**Mary, hard at work in the kitchen.**

After dinner it was back to the operating! Darkness fell and the citronella candles glowed in the tents and the torches lit up the night. Most everyone operated through the night, with maybe two or three operators taking a nap for an hour or so late into the night.

But everyone was up at em again just after sunrise, and Mary was busy preparing a breakfast of scrambled eggs, sausages patties, orange juice, and coffee. Ev brought some donuts as well.

Breakfast went fast, as everyone was famished after being up all or most of the night operating away. Then it was back to the operating again.

There was a quick break for a lunch of hamburgers and what was left of anything else from the previous meals, and then back to the task at hand, for the ending time of 1400 hrs. local time was fast approaching! 100 extra points were earned by the six meter station operating on a battery being charged by a solar panel, from which 5 contacts had to be made. This was accomplished as you can see below.



**Aaron Clark KC8INE working 6 mtrs. solar power.**

The Random Wire, continued from pg. 4.

### TEAR DOWN TIME

Now it was time to tear everything down. The day was hot and sunny, with the temperature in the low 90's! But, it had to be done. Tents came down, generators hauled off, electrical cords wound up, equipment disassembled and put away to be transported home. Antennas were the last items to come down.



**A few of the antennas in the field.**

Before long everything was down and stashed away in cars, vans and trucks. Field Day was done for another year! The participants policed the area and made sure everything was secure in the kitchen. The building was locked up and everyone was outta there.

### THANKS TO ALL!

Thanks go out to everyone who participated in yet another successful Field Day! Scores are not yet tallied and all the points not yet added up, but it is felt by Tom WB8N that the Field Day team did respectfully for their class, 6A.

The station leaders that set up their stations are to be commended. They are: Bob Check W8GC, along with Steve Riley N8IS, Ron Borkey K8VJG, Gary Dewey NI8Z, Dennis Brostek AB8NI, Roger Boehnlein N8TCP, Aaron Clark KC8INE, Dave Morley W8IXY, and Tom Wayne WB8N. Other operators that worked long hours either on the air or logging or both are: Mike Cegelsik K8EHP, Gordon Kolus W8GTK, George Pindroh K8KR, Toby Kolman KC8TIC, Kayla Check KC8RYH, Mark Rubin KB8QHJ, Ev Chitester WA8EYF, Mike Balough KB8UGT, Jim Toth KC8TXZ, Terry KB8DTC the Field Day Safety Dude, Ron Shuster from Cincinnati - a friend of George's who visited and operated for awhile, and last but not least Dave Dressler KD8V, who not only spent both days and the night, but brought out his wife, son, son-in-law, and grand kids, some of whom are licensed. They did some operating as well. Way to go Dave! Dave's wife spent the night too!

Special thanks go to Mary Cegelski, who not only cooked for us but spent the duration as well, sleeping on a hard picnic table!

Toby KC8TID is to be commended for tearing apart and cleaning the carburetor of the club's generator after it quit working. He got it back in operation in fine fashion! Thanks Toby!

I hope I haven't forgotten anyone. If I have, I am sorry and you can tell Tom about it when you see him.

There was a visitors table with a sign-in sheet at the entrance to the pavilion, and there were several visitors. The Mayor of Broadview Heights, Leo Bender had been invited to come out and see what Field Day was all about (100 extra points for that!), and he had called Tom a couple of days prior to the event saying he was going to make every effort to be there, but he did not show. Tom later got a call from the Mayor explaining that besides a wedding and a graduation he had to attend over the weekend, his elderly mother had become ill and he had to attend to her. He promised to be there next year if the event is held in his town. He praised amateurs for their dedication and work during emergencies. Thanks Mr. Mayor, for your appreciation.



**Kayla Check KC8RYH, at the visitor table.**

Below are some more photos of Field Day taken by various photogs including Dennis AB8NI and Tom WB8N. I hope it makes you wish you had been there, if you weren't!



**Pavilion and entrance to CARS Field Day site.**



**Jim KC8TXZ, Aaron KC8INE & Gordon W8GTK at 6 meter station.**



**Gary NI8Z working 20 meters CW.**



**Toby KC8TID & RonK8VJF operating 15 meters.**



**Ev WA8EYF, Dave KD8V & Roger N8TCP at the PSK31 station.**



**Mike K8EHP & Dennis AB8NI on 10 meters.**



**Dave W8IXY manning his GOTA station.**



**Mike KB8UGT listening with head phones.**

**MORE  
FIELD DAY  
PICS**



**Dennis AB8NI's rig**



**WB8N'S rig and keyer**



**Bob W8GC's RIG**

That about does it guys and gals. Thanks to WB8N for letting me do The Random Wire this month. It was fun. Tom will be back next month I guess. Remember to check in on the net each week, and attend the meetings. As members, you are the backbone of CARS and without the support of the membership, there is no CARS.

Special thanks go out to Club President, Bob Check W8GC, for securing the Field Day site for the past two years. Bob is also a member of the AI Koran, which helps, but the site is not free! Thanks Bob. You ARE appreciated.

73,  
de, Wardell P. Spit'tel, K8DIM

## VEEP'S VIEW by Gary Dewey, NI8Z

Its July, you know that the C.A.R.S. year is fast coming to an end. This is a harbinger of the year's end. So far, we had a very successful Field Day thanks to Tom Wayne, WB8N, (and others) who is doing a great job as usual. This newsletter is made possible by his dedication. He has stepped up when no one else would or could do it.

Also the group needs to know that our Prez, Bob Check, W8GC, goes above and beyond for our group. He obtained our wonderful Field Day site for the second year in a row. He has spearheaded work at the Mather, donated time and wherewithal for numerous activities. He has been instrumental in keeping C.A.R.S. operational, so to speak. He stepped up as President and the group is fortunate that he did.

Everyone should know C.A.R.S. is not having a success with its technical side. Our support for this activity seems to be spotty and inconsistent. The six meter repeater is still off the air even with all the prodding and requesting for action, it languishes. Who really wants to step up for this?

The net which is held each and every Wednesday except for meeting night has minimal check ins. There has been a good group of net controllers. This being a shared activity now has made the burden less for anyone individual, however with all of our membership we constantly get the same people checking-in, which is about 10-15. Where are the others, the 90 percent of our membership?

It has been a rough year keeping officers and board members As the VP, I am expressing a view for your consideration. The current group of officers, as I now understand it, plan not to continue on in that capacity after this year. Personally, I will continue to participate in C.A.R.S. activities, but not as an officer of C.A.R.S. My Volunteer Examiner effort will continue as long as I remain in Independence. Lighthouse, Rain Forest, Mather radio operation will continue to be of interest, as with special activities leading to expanding amateur radio to school age children.

We did not have a Hamfest this year primarily due to lack of a convenient site but more to the point it was not nor did it look to be a supportable activity. By supportable, it wasn't profitable and who was willing to step up to do it? I just read where Dayton's HamVention was down 5% in attendance. Personally, I feel DARA is providing less and less. This year everyone had to pay for a publication of activities. There was no electricity supplied to the Flea Market spots. But I digress...

This is the beginning of my swan song. Reality is that my experience with this group has been enjoyable. Friendships have be gained and will continue. I have been the VEEP for over five years. Its time for me to move on.I believe in term limits. And I have reached mine.

So as mentioned in the beginning, who is going to step up?

73, Gary, NI8Z

Vice President, CARS

*Editors Note: What Gary says is true. The club has been gaining new membership steadily, but it is time for new blood to step up and take the helm. While the club officer positions are not overwhelming, they do take some time and effort. Are you up to it? As Gary says, "who is going to step up?"*

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### SPECIAL THANKS

Thanks go out to Dave Kushman K8DAV, for letting the membership tour the transmitter site of WKYC TV ch 3 on Saturday, June 8. Great tour Dave, and it was much appreciated!

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### CONGRATULATIONS

Congrats go to Dave Kushman K8DAV, for winning an Emmy on Sat. June 8,for Technical Achievement as a Maintenance Engineer for WKYC TV3, for analog to digital conversion and station move. Way to go Dave!

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### AREA HAMFESTS COMING UP

NOARS	Wellington OH	July 20
Portage County ARC	Randolph OH	July 28
Findlay Hamfest	Findlay OH	Sep 8
Cleveland Hamfest	Berea OH	Sep 22
Medina Hamfest	Medina OH	Oct 6
Massilion Hamfest	Canton OH	Oct 27

## 2002 PEDAL TO THE POINT

by Jeff Garvis N8YNR

The 2002 Pedal To The Point will be held on Saturday August 17th and Sunday August 18th. This huge event requires a significant amount of Amateur Radio support. We literally staff locations between 8am and 5pm (if not longer) on both days, including both roaming and stationary positions. If you are interested and available for ANY shift, I really need to hear from you ASAP! Like most events, this one includes a free shirt, snacks at rest stops, free meals if you stay 8 hours, and much more. All though we're "amateurs", this event is put on very professionally.

Very discounted Cedar Point or Soak City tickets available if you spend any 8hrs at the event. One per volunteer. Call Jeff Garvas, N8YNR, at (216) 552-4368. Those with medical certs are also highly encouraged to call, even if you don't have a radio license.

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### AN INVITATION

by Jeff Garvis, N8YNR

>>The Lake Erie Amateur Radio Association holds a single annual picnic in the park in July. This year's our picnic is July 30th, 2002 at the Oak Grove Picnic Area at the Brecksville Reservation. LEARA serveshamburgers, hotdogs, soft drinks and side dishes for \$7 per person. Grill use (bring your own entree) is \$3.00 and includes side dishes and softdrinks. If you just want to use our hot grills and come check out the club we ask for \$1. Like all LEARA membership meetings, this one is open to the public and happens to be are largest attended meeting. We encourage other clubs like CARS to come meet us!

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### NOT ALL GROUND RODS ARE CREATED

**EQUAL** - Part One

by John Paschal, P.E.

Do you know how to select the best type of ground rod when working in sandy clay soil, how many ground rods it takes to achieve 25 ohms or less, or how to select the best location for your ground rods? There are no simple answers to any of these questions. However, if you understand the types of ground rods available and how they interact with different soil conditions, you can overcome any ground obstacle.

The grounding electrode system keeps your entire grounding system at earth potential during lightning and

other transient events. Its function is not principally for conducting ground-fault current, even though some zero-sequence current could flow through the grounding electrode during a ground fault.

However, when served from overhead lines (where the fault current return path(s) could break and become an open-circuit),, grounding system designs should reduce the potential gradients in the vicinity of the ground rods. This helps you achieve safe step and touch potentials under ground fault conditions.

Earth electrode resistance is the number of ohms of resistance measured between the ground rod and a distant point on the earth called remote earth. At this point, the earth electrode resistance no longer increased appreciably when the distance measured from the grounding electrode increases. This distance is typically about 25 ft. for a 10-ft. ground rod.

Earth electrode resistance equals the sum of the resistance of the metal ground rod, the contact resistance between the electrode and the soil, and the resistance of the soil itself. Since the resistance values of the ground rod and soil contact resistance are very low, for all practical purposes, earth electrode resistance equals the resistance of the surrounding rod. Note: This is not obvious, given the wide variety of ground rod metals available.

*To be continued next month.*

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All submissions should be e-mailed in .doc, .wpd. or .txt format to [newsletter@cars.org](mailto:newsletter@cars.org) by the end of the month for publication in the next month's newsletter.

Simply by reading the contents of this box, you have entered into a contract, by which you promise to check into the weekly net, to attend as many meetings as possible, and to become INVOLVED!



THE WHITE HOUSE  
WASHINGTON

June 18, 2002

I send greetings to those celebrating National Amateur Radio Day, sponsored by the American Radio Relay League (ARRL).

As we face the challenges of a new era, we are reminded of the importance of neighbors helping neighbors in times of need. Ham radio operators have long played an important role in emergency communications, assisting law enforcement personnel and other emergency services as they carry out their responsibilities.

I salute amateur radio operators for your work on behalf of public safety officials. I also commend your interest in communicating with persons in other parts of the world and learning about other cultures and countries. Your involvement builds understanding and goodwill around the globe.

Laura joins me in sending our best wishes.

A handwritten signature in black ink, appearing to read "George W. Bush". The signature is fluid and cursive, with a large initial "G" and "B".

# CARS 2002 Standing Committees

## American Red Cross Disaster liaison

Ev Chitester WA8EYF \*\* 216-581-3657

## ARRL Liaison/media representative

Marc Rubin, KB8QHJ \*\* 440-717-0846

## Community Education & School Program

Dave Dressler, KD8V \*\* 330-666-8721

Steve Riley, N8IS \*\* 216-328-9276, Ron K8VJG

## Dayton Bus

Gordon Kulus, KC8IOU \*\* 330-225-6917

## Digipeater

Tom Wayne, WB8N \*\* 440-232-4193

## Elmer

George Pindroh, K8KR \*\* 216-941-5304

## Field Day

Tom Wayne, WB8N \*\* 440-232-4193, Aaron KC8INE

Phil K8MPL, Bob W8GC, Steve N8IS, Gary NI8Z,

## CBARC/Liaison

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## CARS Christmas party

Mike K8EHP 216-252-6640 \*\*

Dave Morley, W8IXY \*\*

## Jamboree on the Air

Paul Valley, KC8AMD \*\* 440-237-8116

## Museum Ship W. G. Mather

Bob W8GC \*\* 216-524-1750

Lin WD8SDP \*\* 440-234-4227

Steve N8IS, Gary NI8Z, Bob W2THU, Mike K8EHP,

Dennis AB8NI, Mike KB8UGT

## Membership

Steve Riley, N8IS \*\*

## NET

Gordon W8GTK \*\* Gary NI8Z, Tom WB8N,

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Tom Wayne, WB8N \*\* 440-232-4193

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Gary Dewy, NI8Z \*\* 216-642-1399

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## Sunshine (welfare)

Aaron Clark, KC8INE \*\* 440-526-9705

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Ron Borkey K8VJG 440-237-6718

### odd year executive board;

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## NO8A trustee

Bob Check, W8GC 216-524-1750

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