

APRIL MEETING MINUTES

The C.A.R.S. membership meeting was called to order by President Toby Kolman, WT8O, on the 10th of the month at 7:30 pm. The meeting was held at Busch Funeral Home community room, Parma, Ohio. 25 members and 1 guest were in attendance.

After Introductions, the March meeting minutes were approved as published in the **Wobbly Oscillator** by Toby, WT8O.

The Treasurers report was given by club treasurer Bob Check, W8GC. Bob reminded the membership that scholarship raffle tickets are for sale, Over 100 Tickets have been sold as of meeting night. The price is two tickets for \$5.00, or a book of tickets for \$20.00. The time is passing quickly before the July picnic, where the winner will be announced.

Toby reminded everyone to leave the parking spaces close to the building for members that need them. A surprise presentation by the metro parks and Toby will discuss dipole fabrication.

A Field Day sign-up sheet was passed around and will be also at the May meeting Time is drawing near to do some in depth organizing for field day. The more volunteers, the easier on all of us.

Toby stated a constitution committee will be meeting to rewrite and amend the clubs constitution and amendments. The reason is because it was written wrong and didn't follow Roberts Rule of order to the "T". Over time you will notice changes on how the meeting is conducted.

Bill Sarver, WU8A, reported on the Copley School project, because Dave Dressler, KD8V, couldn't make the meeting, Bill reported that they are getting 18 to 22 kids each week to the school ham radio club meeting, they have had 4 Fox Hunts at the middle school in the last month. A new antenna is needed to be erected at the middle school, which Gary, NI8Z has, as well as a new run of feed-line.

VP Gary, NI8Z, announced the results of the latest "VE" session; all 7 tested passed. The next "VE" Session will be held on Sunday, May 13th, which is Mother's Day.

Sunshine: Gary sent cards to was sent to Bob,

KK8ZZ, & Toby, WT8O.

Secretary Dwaine, K8ME, reminded all members attending the meetings to make sure you sign the sign-in sheet which is at the door. Late comers to the meeting sometimes neglect to sign in. Make sure you put your call sign next to your name.

Dwaine announced that the Dayton Bus sign-ups are going well, with only less than a month before May 19th which is departure day. Now is a good time to rearrange your schedules and get your seat reserved. There are 15 seats left. All Dayton Bus info is on C.A.R.S. web-site, at www.2cars.org.

It was also announced that clubs wanting to use the repeater for different uses have to contact Tom, WB8N, repeater trustee, for permission.

A presentation was made by Sara Kennedy of the Metro Parks with Bob, KK8ZZ assisting. The topic was Cleveland Metro parks Deer Telemetry Project. They are looking for volunteers to help track the deer population in the park. To sign up go to www.clemetparks.com/volunteer/index.asp.

With no other new or old business Toby, WT8O, declared the meeting closed at 8:16pm. The 50/50 winner was Mark, KD8QMO. His portion was \$29.00. CARS share of \$29.00 was added to the treasury.

The evening presentation was put on by Toby, WT8O, who demonstrated how to build a ladder line dipole and figure length needed for specific frequencies.

Submitted by Secretary Dwaine Modock, K8ME

SCHOLARSHIP APPLICATIONS

The deadline for getting applications in for the Tina Check, W8HBI Scholarship is May, 30st. If you or any of your immediate relatives such as children or grand children are interested, the application form can be downloaded from the C.A.R.S. web page, www.2cars.org. Don't get shut out!

RECENT SILENT KEYS

It is with deep regrets that I am reporting the passing of C.A.R.S. member **Glenn Fenzel, WB8CDA**. Glenn was a founding member of C.A.R.S. and although he was not active for several years, he was starting to attend meetings after an absence of a few years. Glenn suffered injuries in an automobile accident about a year ago and had recently returned to work after recovering from that. It was reported that Glenn was in Michigan to attend the funeral of a friend or relative and passed away in his motel room Tuesday, April 24th. Glenn was 63 years of age. A card of sympathy has been sent to Glenn's family.

The holder of one of the best-known US Amateur Radio call signs, **Frederick (Fred) Maia, W5YI**, died of cancer Wednesday, March 28. He was 76 and was a resident of Arlington, Texas. Fred was a leading Amateur Radio journalist for nearly 35 years and a pioneer of the volunteer examining program adopted by the FCC in 1984.

Maia published "The W5YI Report," dubbed "America's Oldest Ham Radio Newsletter," from 1978 to 2003, and has been a CQ contributing editor since 1985. His regulatory affairs column, first titled "Ticket Talk," then "Washington Readout," offered news and perspective on FCC Regulations and ITU actions. His final column will appear in the May 2012 issue of CQ.

After the FCC adopted volunteer examining for all levels of Amateur Radio licensing in 1984, Fred became the first Volunteer Examiner Coordinator (VEs) appointed by the FCC. Fred subsequently founded The W5YI Group in 1986 to develop, publish and sell amateur and commercial radio license study materials. In the realm of FCC commercial radio licensing, Fred formed National Radio Examiners to provide examination services.

Maia served as President of the W5YI-VES until his retirement in October of 2000 when he sold The W5YI Group study material products to Master Publishing, Inc. The retail operations were purchased by General Manager Larry

Pollock, NB5X, newly appointed President of the W5YI-VES and National Radio Examiners organizations. Maia continued writing "The W5YI Report" newsletter until July 2003.

A graduate of the US Air Force Radio Operators School, Fred was an avid CW operator. He was first licensed as a teenager as W1NTK in Brockton, Massachusetts, where he grew up. Maia was later licensed as W5UTT, and held DXCC CW awards and EU-PX-A CW. He was a member of QCWA and Life Member of the ARRL.

For several decades, Maia also served on the National Conference of Volunteer Examiner Coordinators (NCVEC) as a member of the Question Pool Committee that oversees the development and maintenance of the Amateur Radio license examination question pools.

ARRL Chief Executive Officer David Sumner, K1ZZ, commented: "Amateur Radio is healthier today because of the tireless efforts of Fred Maia. While Fred did not always see things quite the same way as the ARRL, in my experience he always had the best interests of Amateur Radio at heart. He was a major figure who will be sorely missed."

He is survived by his wife, Doris, and two daughters.

PRESS RELEASE FROM THE DESK OF RADIO ARCALA

Martti Laine, OH2BH
March, 14, 2012

Toni, OH2UA at Controls of Remote CQ8X in Azores

Wow, what a weekend it was! Radio Arcala's engineers allowed a first serious remote contest operation - over the internet - from the CR2X station located 4500 kilometers away from the actual operating position. It was a gas running those endless U.S. pileups from the Azores while gazing at the Northern Lights through the window at home 65 degrees north. It presented a new challenge, following the words of Hamlet - to be or not to be (there)?

With ever increasing antenna restrictions and noisier environments, going remote is the most *continued on next page....*

likely way for serious folks to utilize the current technology for the common good. Radio Arcala is in the forefront of pushing for IP address driven station building blocks, such as radios and amps, while our vision is that each station accessory will soon have its own IP facility.

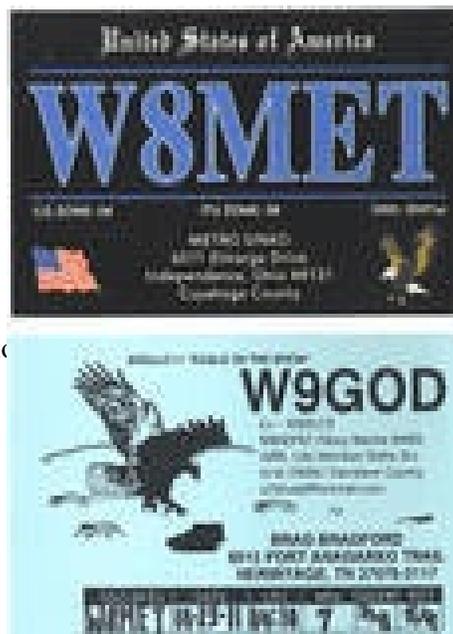
Running the highest continental number of QSOs (4543) in a first serious effort at remote operation shows the potential of the remote concept. There is still room for improvement and, honestly, it has to be said that the world is not ready - but we are one step closer.

Radio Arcala welcomes the approach taken by CQ Magazine's and ARRL's Contest administration in blessing our future by allowing remote operations in contesting under existing rules.

These QSOs do not count for DXCC but they do count for the true spirit of Amateur Radio, being in the vanguard of state-of-the-art technology and its application.

Radio Arcala, OH8X, is a team of serious hams dedicating their efforts to interesting and novel areas of amateur radio. They push the issues to extreme, and their contest team, "Arcala Xtremes," is used as their test lab to verify the results. Arcala labs are located at 65 degrees north in the village of Arcala,

In last month's issue of the Wobbly Oscillator we introduced a new feature called QSL Card of the Month. This month Metro, W8MET sent in a card which you may find interesting, if not different. We are posting both Metro's card and the QSL card he got from a contact he made, along with Metro's comments.



"In meeting GOD we exchanged QSL's so here is the proof. W8MET has met W9GOD, or I have 'met God.' I feel good!!!!

Thanks for sharing that with Metro. Let's see some of *your* favorite QSL cards. Send em in!

MAY BIRTHDAYS

| | | |
|--------|--------------|---------|
| KA8MZS | Mike Mraz | 5/12/40 |
| K8YSE | John Papay | 5/15 |
| KC8ZBN | Marion Rubin | 5/1 |
| N8LRS | Linda Sinko | 5/24 |

Happy birthday to you all and many happy returns !

THE C.A.R.S. SPONSORED BUS TO THE DAYTON HAMVENTION® IS FILLING UP FAST. DON'T GET LEFT IN THE LURCH! GET YOUR RESERVATION IN NOW!

QSL CARD OF THE MONTH

DON'T FORGET TO CHECK INTO THE C.A.R.S. WEEKLY WEDNESDAY NIGHT NET ON THE C.A.R.S. REPEATER 146.820 MHZ. SEE YOU ON THE NET.

A MAJOR AWARD

Metro Sinko, W8MET recently received this award and wanted to share it with all of you.

Here it is.



Way to go Metro! Congratulations!

WHAT YOU NEED TO KNOW ABOUT OUR SUN

From NASA

A typical star, our Sun has a diameter of approximately 865,000 miles, nearly 109 times larger than the diameter of Earth's 7926.41 miles, and is composed primarily of hydrogen. The Sun's core is an astonishing 29,000,000 degrees F., while the pressure is about 100 billion times the atmospheric pressure here on Earth. Under these conditions, hydrogen atoms come so close together that they fuse. Right now, about half the amount of hydrogen in the core of the Sun has been fused into helium. This took roughly 4.5 billion years to accomplish. When the hydrogen is exhausted, the Sun's temperature at the surface will begin to cool and the outer layers will expand outward to near the orbit of Mars. The Sun at this point will be a "red giant" and 10,000 times brighter than its present luminosity. After the red giant phase, the

Sun will shrink to a white dwarf star, about the size of Earth, and slowly cool for several billion more years.

Sunspots: One interesting aspect of the Sun is its sunspots. Sunspots are areas where the magnetic field is about 2,500 times stronger than Earth's, much higher than anywhere else on the Sun. Because of the strong magnetic field, the magnetic pressure increases while the surrounding atmospheric pressure decreases. This in turn lowers the temperature relative to the surroundings because the concentrated magnetic field inhibits the flow of hot, new gas from the Sun's interior to the surface.

Sunspots tend to occur in pairs that have magnetic fields pointing in opposite directions. A typical spot consists of a dark region called the umbra, surrounded by a lighter region known as the penumbra. The sunspots appear relatively dark because the surrounding surface of the Sun, the photosphere, is about 10,000 degrees F., while the umbra is about 6,300 degrees F. Sunspots are quite large, as an average size is about the same size as the Earth.

Sunspots, Solar Flares, Coronal Mass Ejections and their influence on Earth: Sunspots, Coronal Mass Ejections and solar flares are extremely large explosions on the photosphere. In just a few minutes, the flares heat to several million degrees F. And release as much energy as a billion megatons of TNT. They occur near sunspots, usually at the dividing line between areas of oppositely directed magnetic fields. Hot matter called plasma interacts with the magnetic field sending a burst of plasma up and away from the Sun in the form of a flare. Solar flares emit x-rays and magnetic fields which bombard the Earth a geomagnetic storms. If sunspots are active, more solar flares will result, creating an increase in geomagnetic storm activity for the Earth. Therefore, during sunspot maximums, the Earth will see an increase in the Northern and Southern Lights and a disruption in power grids and radio transmissions. The storms can even change polarity in satellites which can damage sophisticated electronics.

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The jury is still out on how much sunspots can or do affect the Earth's climate. Times of maximum sunspot activity are associated with a very slight increase in the energy output from the Sun. Ultraviolet radiation increases dramatically during high sunspot activity, which can have a large effect on the Earth's atmosphere. From the mid 1600s to early 1700s, a period of very low sunspot activity, known as the Maunder Minimum, coincided with a number of long winters and severe cold temperatures in Western Europe, called the Little Ice Age. It is not known whether the two phenomena are linked or if it was just coincidence. The reason it is hard to relate maximum and minimum solar activity (sunspots) to the Earth's climate is due to the complexity of the Earth's climate itself. For example, how does one sort out whether a long term weather change was caused by sunspots or maybe a coinciding El Nino or La Nina? Increased volcanic eruptions can also affect the Earth's climate by cooling the planet. And what about the burning of fossil fuels and clear cutting rain forests? One thing is more certain, sunspot cycles have been correlated in the width of tree ring growth. More study will be conducted in the future on relating sunspot activity and our Earth's climate

The Solar Cycle: As we know, sunspots increase and decrease through an average cycle of 11 years. Dating back to 1749, we have experienced 22 full solar cycles where the number of sunspots have gone from a minimum, to a maximum and back to the next minimum, through approximately 11 year cycles. We are now well into the 23rd cycle, with the 24th cycle right around the corner. The number of sunspots in this cycle reached a peak in May, 2000 where the number of sunspots were measured at near 170. A secondary sunspot maximum occurred near the beginning of 2002 where the sunspot number was about 150. A chart of cycle 23 is available at the NAA Space Environment Center.

NEXT C.A.R.S. VE SESSION WILL BE ON SUNDAY, MAY 13th, 9:00 A.M. CONTACT GARY DEWEY, NI8Z AT 216-642-8705. WALK-INS ACCEPTED.

THE RANDOM WIRE

By Tom Wayne, WB8N

*"EVERY DAY, IT'S A-GETTIN' CLOSER"....
In the words of the immortal Buddy Holly.*

The great **DAYTON HAMVENTION®** is what I'm talkin' about! Man! I can hardly wait. I've been going down to Dayton for a lot of years, since 1987 I think, and I've only missed 2 or 3 Hamventions®, but I look forward to it every year with as much anticipation as I did my first time. I'm looking forward to getting my cap from the Yaesu booth as well. It'll probably be last years cap, since their shipment of caps didn't clear customs in time for last years show. My roommate and I are driving down early Friday morning so we'll get there in time for the gates to open at 8 a.m. The C.A.R.S. bus to Dayton leaves early Saturday morning. I'm looking forward to meeting some the members for lunch at the Pub around noon. I know all of you taking the bus will enjoy yourselves as well, especially if this is your first Hamvention®. We are lucky to live as close to the largest hamfest in the country. Many Amateurs travel from all over the country at some expense to attend, not to mention those that come from foreign countries all over the world. That's one of the neat things about being at Dayton, seeing all the different callsigns from all over the world on the hats. So to all of you going to Dayton this year, whether by bus for the day or those spending two or three days there, ENJOY! I know we will. *WHAT HAPPENED TO SPRING?*

Man-O-Man, where did the warm spring weather go. Geeze, we had snow of late, with PA getting a bunch of it. As I write this, the weather forecast is for low temps, with a freeze warning overnight. I sure hope it warms up for the Hamvention®. I can recall when I first started going to Dayton, the Hamvention® was held in April. You never knew what the weather was going to be. One year you could be walking around in shorts and a t-shirt, the next year it could be cold and rainy, or worse, snowing! Sure glad they changed it to the middle of May. *TRIVIA*

Okay, here's a timely trivia question for you. *continued on next page....*

Those of you that regularly check in on the C.A.R.S. Wednesday evening net should know this one. When was the first Dayton Hamvention held? The choices are: 1950, 1952, 1954, or 1956. You can find the answer somewhere in this issue. Good luck.

ANTENNA WEATHER ???

I think not, not with the temps so chilly. Everyone I talk to on a regular basis seems to be having antenna problems of late. NI8Z had to take his vertical SteppIR antenna down and cut it into short lengths so he could send it back to the manufacturer. K8VJG's yagi SteppIR's mounting plate broke and he needs to get it down off his tower. K8ME had storm damage to his antennas a few months ago as well. Anyone else? I'd better knock on wood because so far I have been lucky. NI8Z did get another new vertical antenna up recently however with the help of W8MET, N8TCP who graciously stopped by on his lunch hour, and WB8N

HAPPY CINCO DE MAYO

Well, the 5th of May will soon be upon us, so don't forget to get some Corona or Dos Equis beer, or some tequila and lime, some guacamole dip and some corn chips, and maybe a few tacos or enchaladas and celebrate with our neighbors to the south.

With that, I'll say 73 for now. Hope to see everyone at the next meeting and/or on the net. Adios for now muchachas and muchachos. De Tom, WB8N

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The Wobbly Oscillator is a monthly publication of the Cuyahoga Amateur Radio Society, P.O. Box 31264 Independence, OH 44131-0264. Articles from the Wobbly Oscillator may be reprinted in any Amateur Radio related publication provided that credit is given to this newsletter and the author, if known. All Submissions should be e-mailed in .doc, .wpd, or .txt formats to newsletter @2cars.org by the 26th of the month for publication in the next month's issue. The answer to the trivia question on page 7 is 1952.

Go to www.2cars.org to reserve and pay for your 2012 Dayton Hamvention Bus Trip



CARS is again sponsoring a Bus trip to the Dayton Hamvention, the 2012 bus trip will take place on Saturday May 19, 2012.

The Bus trip will cost \$45.00 dollars per person, the bus will be stopping for breakfast on the way down, with a brief stop on the way home for a quick bite. You are responsible for your food and Hamvention ticket costs.

Stop 1: The bus will leave promptly at 3:30 am from the Kmart parking lot at the intersection of Engle and Bagley Roads, in Middleburg Heights, Engle Road is a 1/4 mile west of I-71, Kmart is behind the Gas station. Vehicles will be safe, there will be security.

Stop 2: The bus will also pickup riders at I-71 & Rt 303 at the SE corner of the Kmart parking lot and will depart for Dayton at approximately 4:00 am. When ordering tickets please tell us which stop you will be at.

Bus tickets must be purchased and paid for in advance. The bus was sold out in 2010 so reserve your seats as early as possible.

If you have any questions please see Dwaine at a cars meeting, call 440-582-3462 or go to www.2cars.org and click on the Dayton Bus trip link to pay using PayPal. Checks can be mailed to: CARS, P.O. Box 31264, Independence, OH 44131-0264 attn. Dayton bus

73, Dwaine, K8ME and the Bus Committee

Cuyahoga Amateur Radio Society
P.O. Box 31264
Independence, OH 44131-0264
www.2cars.org



Purchase your 2012 CARS Scholarship fund Raffle Tickets Now!

Help support the CARS Scholarship fund by getting your Raffle Tickets ASAP.

Donation is only \$3.00 per ticket or 2 tickets for \$5.00! **

Anyone is welcome to purchase tickets, you can order your tickets on line using PayPal (PLEASE use the personal payment option), all you need is a credit card, go to www.2cars.org or contact the Treasurer Bob Check, W8GC 216-524-1750.

What can be more important than helping others get an education! CARS has awarded two \$500.00 Scholarships a year since 2006. This is a once a year Raffle.

This **drawing** will be held at the **CARS 2012 Summer picnic on July 27, 2012**. Winners do NOT need to attend to win. Winners will be notified plus be listed on the CARS web site and in our Newsletter the WO.



1st prize \$300.00
2nd prize \$200.00
3rd prize \$100.00

A maximum of 700 tickets will be sold

****All proceeds less actual expenses go to the CARS Scholarship Fund.**