



WiFi 6 – An Amazing Upgrade

The newest version of WiFi will be an amazing upgrade to the wireless network world. Instead of calling it by the technical name of IEEE 802.11ax, they decided it was time to simplify the name to just WiFi 6. This simple naming means that the prior versions have simple names too, such as WiFi 5, and WiFi 4, etc. WiFi 5 is what is known as IEEE 802.11ac and is the most common WiFi used on modern laptops, iPads, and cell phones.

This is not just another update. Well, actually it is, in that it is about 25% faster. But it's all the other things that are being included that really make WiFi 6 a big deal.

- 1) The 2.4Ghz frequency will be used again as well as 5Ghz *and beyond*.
- 2) OFDMA - Orthogonal frequency-division **multiple access** (not single!).
- 3) "Coloring" - can ignore your neighbor's WiFi so theirs won't interfere.
- 4) Sub-channel splitting for better throughput for all.
- 5) more devices can share your WiFi 6.
- 6) IoT (internet of things) devices with WiFi 6 can have scheduled transmissions.
- 7) Shorter and more consistent latency means gaming without the need to be wired.

With all of the above, this means public WiFi will get better too over the next few years as each WiFi 6 Access Point will be able to handle several fold more connection.

The standard is nearly official and vendors are starting to sell these new WiFi 6 Access Points/Routers. They are a bit more expensive, but so worth it in my opinion.

SAVE THE DATE:
Club **Picnic** (and **Auction**)
Saturday August 17, 2019
from 1pm – 5pm
at the Lake Manawa Shelter #6.

Note: Due to new legislation,
non-residents of Iowa will have
to pay a \$5/Vehicle **fee** to enter
the Lake Manawa Park.



Presidents Corner

Thank you everyone for taking the time to read this month's newsletter. I also hope to see you at the meeting on June 18th.

Let us know what you want to see for a Demo!!

Apple Barrel (at Sapp Bros.)
2608 S. 24th St.
Council Bluffs, Iowa
MEETING BEGINS: 7 PM

Minutes of May 21, 2019 Meeting

Meeting called to order at 7:00 P.M. at Apple Barrel Restaurant in Council Bluffs, IA with 11 members present.

First Drawing

The \$10 drawing was won by Mark Cavallaro (again).

Minutes and Treasury Report

Minutes of the March 2019 meeting were read. The minutes were approved as read. Treasurers Report was read and approved by those present at the meeting.

Old Business

The family picnic for the summer of 2019 will be Saturday August 17, 2019 from 1pm – 5pm at the Lake Manawa Shelter #6. NOTE: New law says the non-residents of Iowa will need to pay a \$5 entrance fee starting this year. Reminder, the \$100 50/50 split raffle has started and we currently have 12 tickets left.

New Business

David Ladd told us about his trip to the 28th “Last” CoCoFest! In Chicago again this year. The event may move to a new location next year. David said it was fun (for the most part) and really got him out of the dumps and in a better mood, so well worth the trip.

Kevin/Joe told us about 5030 N 72nd street - (was *Redeemed*) now *Cross Electronic Recycling* - recycle/recondition computer equipment old video cards and stuff that you could buy to keep an older computer going for a while longer. “Appliances anything with a cord, battery or motor”. (CRTs will be a charge).

Demo

We enjoyed a three-for-one demo for the May meeting:

- 1) A quick introduction and show-&-tell on Fiber-Optics. Thanks Bruce.
- 2) An amazing demo on RFID and NFC cards, bracelets, FOBs. Hardware used to “write” to the devices that allowed it, and “read” from the devices. Kevin even showed us that his cell phone could not only read an NFC keychain FOB, but could also write to the device. Very cool demo! Thanks David and Kevin.
- 3) Bruce and David teamed up and showed how to update the firmware on a few home access points/routers. It’s important to keep your software and firmware up-to-date on everything you have!

Stick-Around Drawing

The stick around drawing was won by Joe Cavallaro (again).

Adjourned

With no further business the meeting was adjourned at 8:58 PM.

Minutes recorded by Bruce 05/21/2019

M.A.P.C.C.

Established 1982

The Metro Area Personal Computer Club Newsletter is published monthly and posted on the club website: <http://www.mapcc.com>

Meetings:

3rd Tuesday of the month at 7 p.m.

Apple Barrel (party room)

2608 S. 24th St.

Council Bluffs, IA 51501

Elected Officers:

President: David Ladd

Vice President: Kevin Holloway

Secretary: Bruce

Treasurer: Kevin Holloway

Appointed Officers:

Newsletter Editor: Bruce

Annual Membership Dues:

Individual: \$15.00 Family: \$20.00

Club Motto:

“Pass It On”

Contact: (531) 600-8847