

Metro Area Personal Computer Club

Meet: 3rd Tuesday at Apple Barrel, So. 24th St. 7P.M. Co. Bluffs



Volume No. 40

Club Motto: "Pass it on"

February 2021

"Too Fast?"

Is it possible to have modern computer equipment go too fast? Recently I saw a computer with "only" 24 CPU cores unable to fully keep up with a bunch of (24 to be exact) modern hard drive replacements known as NVMe flash drives. I'm not kidding, the NVMe drives would respond to data requests so fast it overwhelmed the system! After trying to "tweak" things to reduce the speed (yes you read that right) they found that if they put in a 64 CPU core chip (which has a list price of around \$7000), it could then keep up with the drives. They even tried a 32 CPU core processor and found that was barely enough, but way more affordable.

That's amazing! Basically that means that NVMe flash drives can read data so fast, you need a CPU processor core per drive. For modern home computers that's not a problem because you would generally have four CPU processor cores or more, and only one or two NVMe flash storage drives.

NFC or UWB?

NFC (near-field communication) has been around for a few years now, used for things like paying with your smart phone or smart watch instead of using your credit/debit card. Well now UWB (ultra-wide band) is being implemented in newer smart phones too, like the iPhone 11, iPhone 12 and now the Samsung Galaxy.

With UWB, the distance from the target device can be 10-30 feet rather than just 2 inches like NFC. This is more like the range Bluetooth provides but UWB has some special features going for it. For one, it's faster than Bluetooth or NFC. But the main thing that sets it apart is the ability to determine the distance to an UWB device. This means you can use special "tags", like a fob, attached to a keychain or a purse, that would let you use a modern smart phone to "find" the tag with an accuracy of 4-12 inches. The other use that is said to be coming soon from the folks at BMW (and others soon after), would allow using your new smart phone as a digital car key. Yes, some auto makers allow that feature now with NFC, but that means you have to pull your phone out and put it within a couple of inches from the sensor on the car. The new UWB system would mean you could leave your smart phone in your purse or pocket and the car would unlock just as you approach it. Although UWB has been around for a while, by adding it to the newer smart phones, even more things will be possible in the future. (hint: enhanced augmented reality)

Be Safe! Social Distance! Wear a mask when near others just in case! Love each other and appreciate the wonderful things that each person brings to the world. God Bless us all!

Presidents Corner

Hello fellow club members,

Due to the current COVID-19 issues going on world-wide and locally with restrictions on gatherings:

We will also not be having the February 2021 meeting.

Please check back often at

<https://www.mapcc.com>

For updates as we have them for when we will have our next club meeting.

Thank you for your support.

~~**Meetings - January - November**~~

~~**Apple Barrel (at Sapp Bros.)**~~

~~**2608 S. 24th St.**~~

~~**Council Bluffs, Iowa**~~

~~**MEETING BEGINS: 7 PM**~~ (NOT in December)

Minutes of Meeting...

Meeting was called off due to the continued health concerns of having crowds of people, etc.

First Drawing

The \$10 drawing was won by N/A.

Minutes and Treasury Report

Minutes and treasury report will be read at next meeting. (we hope)

Old Business

No old business due to no meeting.

New Business

No new business due to no meeting.

Demo

The “demo” was not shown, but hopefully we will be able to sometime in 2021.

Stick-Around Drawing

The stick around drawing (\$0.00) was not done due to not meeting.

Adjourned

No meeting!

Minutes recorded by Bruce 01/19/2021

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. (*WHEN ALLOWED TO*)

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