



Raspberry Pi 4 B announced

The latest version of the popular single board computer (SBC) was announced June 24th. This latest version has added several things that the community has requested and still comes in at just \$35. However, because one of the requested updates is the ability to purchase a model with more memory, they now have a 2 gigabyte and even a 4 gigabyte version for \$45 and \$55 respectively. This is also the faster, more modern low power DDR4 type of RAM memory.

The little computer, about the size of a deck of cards, now has a true 1GB ethernet port and a pair of USB 3.0 ports along with a pair of USB 2.0 ports. While the USB bandwidth is shared, you can see up to 10x the performance of the prior model Raspberry Pi.

Speed has increased as well. Now running at a clock speed of 1.5GHz vs 1.44GHz. While that doesn't sound like much, the new silicon on a chip (SoC) is a Broadcom BCM2711 which uses a quad-core ARM Cortex-A72 vs the a quad-core ARM Cortex-A53 that was on the previous model. Coupled with the faster RAM, many things can now run up to twice as fast as the prior Raspberry Pi model 3 B+. This new chip also has a newer video processor that brings more speed and two more features to the Pi. 4K UHD video is now possible, and if you only use 30 fps, you can now drive **two** 4K monitors with this thing. If you want 60 fps, then you can only use a single monitor, but it will do it. Incredible power at such a small price!

Wireless is basically the same with dual-band 802.11 b/g/n/ac but now has Bluetooth 5.0 instead of just 4.2.

These will sell like "hot cakes" for the first month or two, but you should be able to purchase one by the end of August 2019.

This unit was not expected to be ready until 2020, but things just fell in to place early!

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 July 16th.

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 June 18, 2019 Meeting

Meeting called to order at 7:04 P.M. at Apple Barrel Restaurant in Council Bluffs, IA with 10 members present.

First Drawing

The \$10 drawing was won by Kevin Holloway.

Minutes and Treasury Report

Minutes of the May 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. Also we plan to have an auction at the picnic this year. So bring donation items and some cash!

New Business & Member Info

David Ladd told us about using a pan on a stove to flow solder on a SMT (surface mount Tech) circuit board also home-brew version of a 180° cleaner. Greg and others joined in with their experiences with soldering things like a 206-pin chip to fix a computerized player piano, and a trick of using a steel plate to help even out the temperature when using a toaster oven for solder reflow when attempting to fix a bad circuit board homestyle. We were told that Cheryl Pennington was in hospital and not doing very well. Club member Lem was visited by Joe Cavallaro and Fred Veleba recently. Greg mentioned he is wanting to get a laser/wood cutter CNC machine and was interested in any input. There was talk of more Intel processor vulnerabilities. (Hyper-Threading related issues)

Demo

Bruce showed what he's done so far for a computerized card caller and display for when we play pokeno at the club picnic this year. Looks like it may work well for us.

Stick-Around Drawing

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

Adjourned

With no further business the meeting was adjourned at 8:30 PM.

Minutes recorded by Bruce 06/18/2019

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