



THE SEED

A Newsletter From Your...

DENVER APPLE PI
Macintosh User Group

September 2022

<http://www.denverapplepi.com>

Volume 43, No. 9

Denver Apple Pi
Mac SIG & Help SIG Meetings are held at
Applewood Community Church
12930 W. 32nd Avenue
Golden CO 80401 — 7-9 pm

MAC SIG	September 20	3 rd Tuesday
HELP SIG	September 22	4 th Thursday*
MAC SIG	October 18	3 rd Tuesday
HELP SIG	October 27	4 th Thursday
MAC SIG	November 15	3 rd Tuesday
HELP SIG	November 17	3 rd Thursday* Thanksgiving is 24 th
MAC SIG	December 20	3 rd Tuesday
HELP SIG	December 29	5 th Thursday** After Christmas

On occasion, Applewood Community Church may have shelter/meal obligations. You will be notified by email if DAPi meetings are to be cancelled.

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Mac SIG Meeting
September 20, 2022
7-9 pm

Applewood Community Church

FIRST HOUR SESSION: Potpourri:
Larry Fagan will discuss the
general basic features of our
computers.

SECOND HOUR SESSION: Attendees
will tell of their problems or
solutions on their Apple
devices.

We hope you like this new
format. See you there!

MEMBERSHIP NEWS

In May 2021, DAPi instituted a new format for membership dues. **Our \$15 annual dues are now due on May 1 for the year for all DAPi members.** We didn't collect dues during the pandemic, so this is an opportune time to begin anew. You can pay your dues to Elissa at the meetings or send *DAPi dues for 2021-2022 to Elissa at 6501 Welch Court, Arvada CO 80004-2333.*

COMING EVENTS:

September 20 – Mac SIG

September 22 – Help SIG

REMINDERS

Help SIG: Call Elissa to get your name/problem on the list so our DAPi Help people will be prepared. **You will need to bring your computer, your own power cord, mouse and keyboard.** Elissa will keep a sign-up list for those asking for help at the Help SIG meetings so members can be helped in a prioritized way. Drop-ins are welcome. Contact Elissa at (303) 421-8714 or elissamc40@comcast.net

Need help with iPad, iPhone? If you would like assistance with navigating and synchronizing your iPad and iPhone, bring them to the Help SIG meeting. Notify Elissa what help you need, and we will try to get the problems resolved.


**IPHONE AND IPAD SECURITY
UPDATES FOR OLDER DEVICES**

<https://www.cultofmac.com/789508/apple-patches-dangerous-security-hole-in-ios-12/>

Devices dating from 2013 need to do a security update to iOS 12.5.6. Hackers have already discovered and are taking advantage of a WebKit problem that allows a hacker to execute a code without users' permission. Cult of Mac gave this advice in an August 31, 2022 warning.


**NEW APPLE OPERATING SYSTEMS TO
INTRODUCE PASSWORD REPLACEMENT
CALLED PASSKEYS**

When Apple launches iOS 16 on September 12 and macOS Ventura next month, the software will include its password replacement, known as "passkeys," for iPhones, iPads, and Macs.

After updating your devices to the new operating systems, confirm that the devices support the use of passkeys. All major platforms and browsers are committed to offer full passkey support, beginning in 2022. Apple first previewed the technology to developers at its developer conference in 2021.

Fast Identity Online (security alliance) Based on free and open standards from the FIDO Alliance, FIDO Authentication enables password-only logins to be replaced with secure and fast login experiences across websites and apps.

<https://fidoalliance.org/what-is-fido/>
<https://fidoalliance.org/how-fido-works/>

"FIDO authentication is the answer to the world's password problem."

Why use the password replacement called passkey?

- Passwords are the root cause of over 80% of data breaches.
- Up to 51% of passwords are reused.
- 1/3 of online purchases abandoned due to forgotten passwords.
- \$70 average help desk labor cost for a single password reset.
- Resistant to phishing and other common attacks.

How people use FIDO:

- Security key
- Facial recognition
- Fingerprint
- Voice

FIDO is applicable across markets: enterprise, financial services and payments, telecom and mobile, government, healthcare and insurance.

Supported natively across browsers and platforms: Widows 10 and Android, Google Chrome, Mozilla Firefox, Microsoft Edge and Apple Safari (preview) web browsers.



APPLE IPHONE PRODUCT SALES

Apple News reports that for the first time ever iPhone sales in the United States are greater than Android sales. In the second quarter of 2022, Statcounter Global Stats shows *worldwide* Mobile Operating Systems percentages as follows:

- Android, 71.54%
- OS 27.81%
- Samsung 0.42%
- Unknown 0.13%
- Others 0.04% and 0.01%

Although Android leads worldwide in mobile smartphones, there is a possibility that more affluent countries might increase iOS (Apple mobile phones) in the future.

iPhone is Apple’s most valuable product and has, since 2008, been its main source of revenue. Even though Apple has diversified its product line with Watch, AirPods and Services, iPhone is still responsible for 50% of its revenue.

The above information applies only to iPhone sales, not other devices that include iPads, MacBooks and Macs.



NASA INTRANET SPEED

Information online that NASA internet (actually should be *intranet*) speed is 91Gbps was not exactly what many of us nontechnical people thought to be true. Using the Ookla application Speedtest on my older iMac, I found the following midday download and upload speeds for comparison. (For my purposes, these speeds are perfectly adequate.)

Server	Download Speed Mbps	Upload Speed Mbps
Comcast	206	23.9
Nitel	124	23.5
Implicit	164	23.5

So, we need to define terms:

- *Intranet* – a local or restricted communications network, especially a private network created using World Wide Web software. NASA uses its own servers around the world.
- NASA intranet is 91Gbps.
- GB is a GigaByte. Gb is a Gigabit.
- NASA uses Shadow network that provides interconnections between important laboratory and data centers. Downloads and uploads are done between this network only. It is also called as ESnet – Energy Science Network.

- ESNet is a top secured and reliable network.
- ESNet is 13000 times faster than normal network connections.

The **Internet** speed at NASA is not 91 gigabits per second. That speed was an **intranet** speed achieved on a specific connection between SC13 in Denver and the NASA Goddard facility in Maryland during an experiment. The experiment utilized the ESnet, which allows site-to-site file transfer at up to 100 gigabits per second, for two sites connected via ESnet. This does not relate to internet access at all.

So, NASA's intranet is really fast. NASA's emails are not so fast and comparable to our own in USA.



CELL PHONE SUGGESTION

If you're in an area where your cell phone should have service but doesn't, try switching your phone on to Airplane Mode and then switch back, i.e., turn airplane mode on and then off again. This will cause your phone to search again for towers in the vicinity.



GENERAL MAGIC DVD

2018 release, 95 minutes

Available at Jefferson County Public Library

This DVD shows the people and the ideas that led to the iPhone and iPod, but not the actual products because General Magic failed to get the job done. The people were brilliant with their ideas; some say they were ahead of their time. Could be, because we

now have iPhones, iPads—the devices that we can take with us.

Reviews from the internet :

Yet the ideas they generated, the projects that former General Magic technologists undertook, have changed our world in 25 short years in ways we could not have imagine. Had it not been for General Magic our ways of communication and social media, for good or bad, would not be as it is today and we would not have had devices like iPhones and iPods.

A documentary well worth watching for everyone that cares about how and where technology is headed and more importantly how it actually gets implemented beyond just test designs.

As Tony Fadell explains, the 90s was a time of one failure after another (leading to the tech bubble burst in the early 00s), but much was learned along the way. Still, it blows the mind that certain people like Porat had the bold vision to foresee mobile computing, "a device you will always want to have with you," per Porat, almost 2 decades before that became a reality.

But the way tech actually works is that tech succeeds (especially as the pace grows faster) by selling not the technology but what it can do. If you can't explain what your product can do and why that's useful to a customer, you shouldn't be CEO. You may be a fine engineer, a fine motivator, a fine money manager --- but you cannot perform the most important job of an innovative tech company—sales.





Apple Mac OS X Jaguar v. 10.2 logo

20 YEARS AGO

Mac OS X 10.2 Jaguar was released on 2002.08.24. My husband and I drove to the Apple store in Aspen Grove on South Santa Fe Drive in Littleton CO for this event. The line was long and extended from the front of the store to the alley on the north side. Although I don't recall what the exact reason for our attending this event, we got free T-shirts, and the above photo is on the T-shirt given away at this promotion. He still wears this T-shirt!



Denver Apple Pi Membership Information

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MEMBERSHIP DUES are \$20.00 per year for a monthly hard copy of The Seed and \$15.00 per year for a monthly PDF copy. Fill in the form below or ask for an application to send with your check to the Club mailing address: DENVER APPLE Pi, 67501 Welch Ct, Arvada CO 80004. For information, call Elissa McAlear at 303.421.8714 about Apple II, GS and Mac. Email elissamc40@comcast.net. Our web site is: <http://www.denverapplepi.com>

Mac SIG meets the THIRD Tuesday of the month, 7:00 to 9:00 p.m. Troubleshooter Group Help SIG meets the FOURTH Thursday of each month from 7:00 to 9:00 p.m. unless a holiday necessitates a change. Seed articles should be mailed to jjetherton@comcast.net, subject: Seed article

**Denver Apple Pi
6501 Welch Court
Arvada CO 80004-2333**

**FIRST CLASS MAIL — DATED
MATERIAL**

Return Service Requested



Membership Form

Date _____ Renewal New Change

Name _____

Address _____

City _____

Phone(s) _____

Email _____

Kind of Computer: Apple II _____ GS _____ Mac _____ OS _____

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