



range Bytes

Volume 47 No 5

May 2023

\$1.50

NOCCC meetings for Sunday May 7, 2023

MAIN MEETING

Your President, Robert Strain, will be doing a Software demonstration of some useful Linux programs.

Special Interest Groups (SIGs) & Main Meeting Schedule

9:00 AM – 10:30 AM

Beginners Digital Photography*Science 129*

Questions and Answers about Digital Photography

Linux for Desktop Users.....*Science 131*

Beginners' Questions about Linux

10:30 AM – 12:00 PM Noon

3D Printing *Irvine Auditorium*

Questions and Answers about 3D printing

Advanced Digital Photography...*Science 129*

Questions and Answers about Digital Photography

Linux Administration*Science 131*

More topics about the Linux operating system

Mobile Computing*Science 109*

We discuss smartphones, tablets, laptops, operating systems and computer related news. **We need a new leader.**

VBA and Microsoft Access/Excel*Science 127*

Bob Dickson has retired as leader. Any Volunteers?

12:00 PM Noon – 1:00 PM

3D Printing..... *Irvine Auditorium*

Questions and Answers about 3D printing

PIG SIG *Irvine Courtyard*

Bring your lunch. Consume it in the open-air benches in front of the Irvine Hall. Talk about your computer and life experiences.

1:00 PM – 3:00 PM Main Meeting

See above

..... *Irvine Auditorium*

3:00 PM – 4:00 PM

Board Meeting.....

Science 129

Verify your membership renewal information by checking your address label on the last page. Not right, speak.

Mark your calendars for these meeting dates
2023: May 7,

Coffee, cookies and donuts are available during the day in the Irvine Hall lobby.
Food and drinks need to remain outside the Irvine Auditorium.

“Friends Helping Friends”
since April 1976

Table of Contents

Main Meeting ___ 1

Special Interest Groups ___ 1

Verify your membership renewal information by checking your address label on the last page

Mark your calendars for these meeting dates _____ 1

Contact information and email forwarding addresses ___ 2

Thumb drive speed test _____ 3

A Little Humor _____ 3

Directions and map _____ 4

Special email addresses
Jim Sanders is editor@noccc.org
membership@noccc.org

Our Website
WWW.NOCCC.ORG

Reminder: Membership expiration dates have been advanced by two years. So if your membership expired in Nov, 2020 it is now Nov., 2022. Or to put it another way, your membership renewal is now past due. In the address label area of the Orange Bytes is your join month/expiration month.

Blank

Board of Directors

Contact information and email forwarding addresses

President Robert Strain
president@noccc.org (cell 714.222.2140)

Vice President (acting) Jim Sanders
vicepresident@noccc.org (714-544-3589)

Secretary position is open
secretary@noccc.org

Treasurer Dr. Don Armstrong
treasurer@noccc.org (home 714.773.1187)

Webmaster Jim Sanders
webmaster@noccc.org (home 714.544.3589)

Director Terry Dickson
terry@noccc.org (home 714.899.9913)

Director Dennis Martin
dennis@noccc.org (home 951.926.3065)

Director Richard Miller
richard@noccc.org (cell 714.309.1504)

Blank

USB Flash Drive Speed Test – Built Free in Windows

You probably did not know Windows 10 has a speed test feature you can easily run from the CMD prompt. This feature is what a lot of the USB flash drive speed test programs call this built in function during their operation.

In Windows type CMD into the search field.

Use the Ctrl + Shift keys when you click the Enter key. This will run the command prompt at the Administrator level. Once you've opened the command prompt at the Admin level, type the following:
winsat disk -drive d (where d is drive letter)
Windows will perform it's task and should take about one minute to complete. The results will be printed out in the console window once everything is complete. Take note from our example below. This is a 64GB drive which we connected to both a USB 2.0 socket and a USB 3.0 socket. You can see the performance difference.

The information you want are:

- > Disk Sequential 64.0 Read
- > Disk Sequential 64.0 Write

Below is the pathetic result of a no name 4GB drive bought at a 99 Cent store. It would take 3.08 hrs to write 4GB.

```
> Run Time 00:07:10.78
> Dshow Video Encode Time          0.00000 s
> Dshow Video Decode Time          0.00000 s
> Media Foundation Decode Time     0.00000 s
> Disk Random 16.0 Read             1.02 MB/s
> Disk Sequential 64.0 Read         0.90 MB/s
> Disk Sequential 64.0 Write        0.36 MB/s
> Average Read Time with Sequential Writes 39.490 ms
> Latency: 95th Percentile         1036.910 ms
> Latency: Maximum                 1471.896 ms
> Average Read Time with Random Writes 200.422 ms
> Total Run Time 00:34:03.64
```

Below is a no name 32 GB from a 10 pack bought on Amazon. Considering the price, not bad performance, but no specs online.

```
> Run Time 00:00:15.47
> Dshow Video Encode Time          0.00000 s
> Dshow Video Decode Time          0.00000 s
> Media Foundation Decode Time     0.00000 s
> Disk Random 16.0 Read             3.17 MB/s
> Disk Sequential 64.0 Read         20.84 MB/s
> Disk Sequential 64.0 Write        9.13 MB/s
> Average Read Time with Sequential Writes 7.868 ms
> Latency: 95th Percentile         8.639 ms
> Latency: Maximum                 1115.278 ms
> Average Read Time with Random Writes 6.373 ms
> Total Run Time 00:01:50.55
```

Below is an older Kingston 16 GB DT101 G2. It was interesting that the read speed is ,8 MB slower than the previous no name. However, the write speed is more than twice as fast.

```
> Run Time 00:00:22.59
> Dshow Video Encode Time          0.00000 s
> Dshow Video Decode Time          0.00000 s
> Media Foundation Decode Time     0.00000 s
> Disk Random 16.0 Read             5.56 MB/s
> Disk Sequential 64.0 Read         20.04 MB/s
> Disk Sequential 64.0 Write        17.43 MB/s
> Average Read Time with Sequential Writes 5.464 ms
> Latency: 95th Percentile         6.126 ms
> Latency: Maximum                 2127.500 ms
> Average Read Time with Random Writes 10.298 ms
> Total Run Time 00:01:28.59
```

Below is a Kingston 32 GB close to the same age as the above. It is interesting that the write speed is 3 MB slower than the above. However, the read speed is four times faster.

```
> Run Time 00:00:08.64
> Dshow Video Encode Time          0.00000 s
> Dshow Video Decode Time          0.00000 s
> Media Foundation Decode Time     0.00000 s
> Disk Random 16.0 Read             16.14 MB/s
> Disk Sequential 64.0 Read         84.67 MB/s
> Disk Sequential 64.0 Write        14.19 MB/s
> Average Read Time with Sequential Writes 2.785 ms
> Latency: 95th Percentile         2.892 ms
> Latency: Maximum                 349.989 ms
> Average Read Time with Random Writes 3.189 ms
> Total Run Time 00:01:01.67
```

A LITTLE HUMOR



**North Orange County Computer ClubDr.
 Donald Armstrong
 709 Rosarita Drive
 Fullerton, CA 92653**

To All Members:

The line above your mailing address now shows your joindate. Please use your join **month** to choose when to renew your membership.

Dated Material – Please deliver ASAP

Membership Level (\$)	1 Year	3 Years
Individual Member	35	90
Each Additional Family Member	15	40
Full-Time* Enrolled College Student	20	
Enrolled High School Student	15	
*Minimum 12 Semester Hours		
Business Member + Ad (Business Card)	180	
Business Member + Ad (¼ Page, ½ Page)	465,	800
Business Member + Ad (Full Page)	1,475	
Contributing Member	75	
Supporting Member	100	
Advocate Member	250	
Patron Member	500	

Directions to the NOCCC meeting location



Enter CA-55 N (Costa Mesa Freeway) crossing Interstate 5 toward Anaheim/Riverside for 9 miles. *Notice freeway and street signs stating "Chapman University."* Exit toward E Chapman Ave. Turn right onto N Tustin St. Turn left onto E Walnut Ave.

1) Turn left past N. Center St. for the **best place to park** in the underground parking structure (Lastinger under the sports field). Pay the small fee (\$2) to park Ask members or help@noccc.org about parking details, restrictions, and our price break!

2) Turn left onto N Center St. On the right is the Hashinger Science Center, 346 N Center St. Orange California. Parking on the University side is free. Parking on the residential side is a city violation that may cost you a tow away and a ticket!