**SLO Bytes HardCopy  
A publication of the San Luis Obispo PC Users’ Group  
Vol. 37 No.4 April 2021**

**March 7th 2021 First Session Notes** *by Alan Raul*

From ZDNET… Everyone needs a password manager. Period, full stop. It's the only possible way to maintain unique, hard-to-guess credentials for every secure site that you and your family members access daily.

What can I expect to change for LastPass Free on March 16, 2021?  
<https://support.logmeininc.com/lastpass/help/what-can-i-expect-to-change-for-lastpass-free-on-march-16-2021>

Why Pay For Mobile Apps?  
<https://youtu.be/2OtawOxMHhY>

LastPass Password Manager Vs 5 FREE Alternatives!  
<https://youtu.be/uTVielJvjhY>

Stop Memorizing Passwords! Use a Password Manager  
<https://youtu.be/uonM2qdLG_o>

LastPass’ free tier will become a lot less useful next month  
<https://www.theverge.com/2021/2/16/22285531/lastpass-free-tier-mobile-computer-device-premium-family>

How do I export my LastPass Vault data?  
<https://support.logmeininc.com/lastpass/help/export-your-passwords-and-secure-notes-lp040004>  
  
LastPass – Password Manager and Vault  
<https://www.lastpass.com>

LastPass Official Help Topics  
<https://support.logmeininc.com/lastpass>

Best password manager in 2021  
<https://www.zdnet.com/article/best-password-manager/>

The Best Two-Factor Authentication App  
<https://www.nytimes.com/wirecutter/reviews/best-two-factor-authentication-app/>

SMS for 2FA: What Are Your Security Options?   
<https://authy.com/blog/security-of-sms-for-2fa-what-are-your-options/>

Google Privacy Checkup  
<https://myaccount.google.com/intro/privacycheckup>

Radio Shack  
<https://www.radioshack.com/>   
 **Alan Raul**

**March 7th 2021 Second Session Notes** *by Stanford Brown*

Why should I clean my computer?  
You know it is time to perform a major clean up on your PC when:  
• It’s taking longer and longer to boot up  
• Your PC is running slower than usual  
• You are getting error messages  
Various problems can cause system performance issues, such as:  
• Fragmented data on the hard disk drive   
• Outdated drivers for internal components or external peripherals like docking stations   
• Outdated or corrupt operating system files (and deleted Registry files)  
• Disk errors   
• Insufficient memory (RAM)   
• Hardware failure  
• DLL issues  
• Reduced storage capacity due to “file bloat”  
• Competing applications e.g. 2 anti-virus programs  
• Browser add-ons/plug-ins  
• Virus, spyware, or malware  
• Use “custom” install to avoid unwanted downloads.

**Possible solutions**:  
\*CHECK PC HEALTH… Type “Fresh Start” to see Storage issues and App and Software issues. Restore to factory.  
\*HARD REBOOT-This gives your computer a chance to clear out memory and start fresh the next time it's turned on.   
\*UPDATE 3RD PARTY SOFTWARE  
\*INSTALL SSD, ADD MORE RAM (16 GB)  
\*BLOW DUST OUT OF COMPUTER (To prevent problems)  
\*DELETE TEMPORARY AND OTHER UNNECESSARY FILES (Orphan files) AND PROGRAMS (GoTo PROGRAMS AND FEATURES IN CONTROL PANEL) (WINDOWS ADMINISTRATIVE TOOLS -> Disk Cleanup)  
\*RUN FILE CHECKER TO FIND POSSIBLY CORRUPT FILES ( GoTo Command Prompt, type sfc /scannow (note the space between "sfc" and "/") and press Enter.   
\*CHECK HARD DRIVES FOR INTEGRITY ) (To run Check Disk Utility in Win 10 type Command Prompt in Search bar and click on “Run as Administrator”, type chkdsk c: /r) (Chkdsk Command (Examples, Options, Switches, and More) (lifewire.com)   
\*REPLACE FAULTY HARDWARE (From thumbdrive install Linux—if problems persists, problem is hardware.   
\*REMOVE FILES FROM DESKTOP FOR FASTER BOOT TIME   
\*CAN ALSO REMOVE PROGRAMS FROM BOOT UP (CONTROL+ALT+DELETE, StartUp tab.) THUS REDUCING CENTRAL PROCESSOR USE BY REDUCING START UP PROGRAMS (See Task Manager below).  
\*TRANSFER ARCHIVABLE FILES TO EXTERNAL DRIVES  
\*USE ONLY ONE ANTIVIRUS PROGRAM (multiple malware might be okay but not advised)  
\* DO NOT REMOVE .DLL FILES  
\*DEFRAGGING (GOTO WINDOWS ADMINISTRATIVE TOOLS-> DEFRAGMENT AND OPTIMIZE)

Task Manager (**Control+Alt+Delete**)   
The app gives you insight into what's taxing the processor, how much memory something is taking up and even how much network data a program has used. By default, the list is broken down into Apps and Background Processes. It's refreshed constantly, with the various columns constantly updating. My advice is to let Task Manager run for a few minutes and just watch it. Watch for apps that shoot up to the top of the list, then disappear a few seconds later. Look for processes that stay at the top of the list with high memory or CPU use. You can Google names to find out more about a process. Instead of letting your antivirus program scan whenever it sees fit, schedule it to run at times when you're not likely to be using your PC.

**Browser Overload**Your web browser could be the culprit, especially if you've lost count of the number of windows and tabs you have open. Each window and tab takes up memory and processing power and over time that will begin to slow down your PC.

You can view a breakdown of extensions and tabs that could be to blame in Task Manager by clicking on the arrow next to your browser's name. Alternatively, if you use Chrome, it has a built-in task manager of its own. Launch it by pressing **Shift+Esc** while using Chrome, or click on the menu button > **More Tools > Task manager**.

**Notification tray** (next to the volume and Wi-Fi indicators). When you close some apps, such as Slack, they keep running in the background. (Type Notifications in Search)

• Pause **OneDrive** syncing. This is something even Microsoft admits can slow down your computer. Pause OneDrive by clicking on the OneDrive icon in the notification tray, select **More** and then **Pause** syncing.

• Check available storage space and hard drive health. If your hard drive or SSD is running out of space or is getting old, it could be failing. If you aren't comfortable testing your hard drive, take your computer to a technician who can properly diagnose the issue and, if required, upgrade your storage. (**Glary Check Disk)** (**Windows Administrative . Tools ->Computer Management->Disk Management)** (**Spin Right**) (From Command Prompt type **chkdsk c: /r)**

• Turn off your computer. Don't just restart it, but completely power it off and walk away for a few minutes.

**Antivirus Scanner** If you have an antivirus scanner on the computer, spyware protection program, or another security utility, make sure it's not scanning your computer in the background. If a scan is in progress, it decreases the overall performance of your computer.

**Stanford Brown**

**April 4th Program** *by Ralph Sutter*

The **First ZOOM Session** will feature **Alan Raul** offering a Questions and Answers program from 12:45-2:00 p.m.

To be part of the virtual meeting via **Zoom**, please refer to the e-mail that will be sent to you twice shortly before the meeting with the credentials necessary to join the Zoom session. If you are asked for a **Meeting ID** or a **Password**, copy it from the announcement and paste it into the appropriate box

Usual topics include security issues, recent changes in Windows operating systems, tablets and smart phones as well as demos of software and hardware. We always encourage questions and observations from the audience.  
  
There will be a break from 2:00-2:30 pm allowing the audience to sip a beverage, pet the dog or stretch

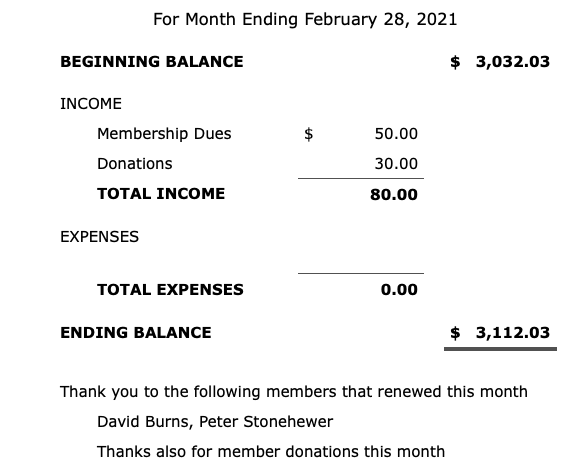
The **Second Session will continue with the format begun recently but tweaked slightly. Some members will speak. Afterwards, the audience is invited to pose computer issues that they face and/or solutions to them. We will call this segment Potpourri.**

Contact Ralph at [ralph@rsutter.com](mailto:ralph@rsutter.com) for more information

View Zoom tutorials at <https://www.youtube.com/playlist?list=PLKpRxBfeD1kEM_I1lId3N_Xl77fKDzSXe> If you have any questions, please contact [ralph@rsutter.com](mailto:ralph@rsutter.com)   
  
**Ralph Sutter**

**▫▫▫▫▫▫▫▫▫▫▫▫▫▫▫▫▫▫▫▫▫▫▫**

**Treasury Report by Kaye Raul**



**Kaye Raul, Treasurer**

**Photo Group Report** *by Ralph Sutter***Notes from the Meeting of 03/14/2021**

**TOPIC**: Perspective The meeting took place via Zoom  
  
In the **First Segment**, **Alan Raul** shared historical photos of San Diego Bay  
**Doug Depue** documented erosion along Highway 1 above Cambria with numerous before and after images showing the changes wrought by water.  
**Bob Ward** offered nostalgic photos of a sawmill near Shaver Lake, Laguna Lake emptied by drought and a young girl riding a turtle at Knotts Berry Farm  
  
The **Second Session** opened with **Ralph Sutter** displaying common objects from uncommon angles.  
**Stanford Brown** brought images of falling fences, curving paths and reflections on a wine glass  
**Alan Raul** shared images of railroad tracks, walkways, bridges, staircases and an unknown tunnel in Pismo Beach. He also showed images of the Pismo Beach Pier in both color and black and white. His images were modified using **Aurora** **HDR** and **Luminar Ai** and are available to view at <http://www.365.acdsee.com/folders_public.php?profileid=1618852&folderid=2190592>   
**Kaye Raul** took us to Avila Beach for seascapes before moving inland to towers and skies below the Nipomo Mesa  
**John Waller** strolled the Boardwalk from Grand Avenue toward Pismo Beach demonstrating the technique of foreshortening through his choice of lenses  
  
In the final segment, Alan showed modifying an image in **Aurora HDR** and also converting the image to his preset black and white template.  
Ralph closed out the meeting with a demonstration of the **Historical Imagery** feature of **Google Earth Pro**  
Our next meeting will take place on **April 11th**.  
The topic is **Black and White Photography**

For that meeting, Ralph uploaded a pair of color images, a .jpg and a raw image, inviting each member to convert them to black and white and share the results with the group at the April meeting.

Download them at <https://www.slobytes.org/digital/images/sample-for-bw.jpg> and <https://www.slobytes.org/digital/images/sample-for-bw.RW2>

The remainder of that meeting will be devoted to black and white images of architecture. The meeting will take place via Zoom.

A Zoom invitation will be e-mailed to Photo Group members shortly before the meeting. The meeting schedule for the remainder of 2021 is as follows

May 16 (Mothers' Day falls on May 9th)  
 June 13  
 July 11  
 August 8  
 September 12  
 October 10  
 November 14  
 December 12  
  
**Push Library**  
Look at the **PUSH archives**, <http://www.slobytes.org/push/>. This is a repository of articles where you will find tips, product reviews, and personal recommendations contributed by computer clubs across the country.  
They are provided courtesy of the Association of Computer User Groups, **APCUG**, the national organization with which SLO Bytes is affiliated.   
The actual **PUSH** articles are hyperlinked from the index located at  
 <http://www.slobytes.org/push/index.html> (All articles on one long page)  
 <http://www.slobytes.org/push/push-condensed.html> (Links to **PUSH** articles by month received)  
You can view additional APCUG publications here: <http://www.slobytes.org/apcug/index.html>

***▫▫▫▫▫▫▫▫▫▫▫▫▫▫▫▫▫▫▫▫▫▫▫***

**SLO Bytes Bulletin Board**  
Everyone can read the SLO Bytes Bulletin Board at <http://slobytes.org/smf/index.php?board=1.0> but only subscribers can post comments or respond to the posts of others. Despite the usual connotation of **subscribe**, it costs nothing to join the bulletin board. It is free to all current SLO Bytes members. However, to guard against cyber-mischief by spammers and other ne’er-do-wells, I have disabled self-registration. If you want to be added to the bulletin board, please send your request to me at [ralph@rsutter.com](mailto:ralph@rsutter.com).

If you are currently registered with the SLO Bytes Bulletin Board and wish to change your password, you will find a video screen capture of how to do so at   
<http://www.slobytes.org/documents/change-bb-password.mp4>

***▫▫▫▫▫▫▫▫▫▫▫▫▫▫▫▫▫▫▫▫▫▫▫***

**Club Information and Meeting Times**

**SLO** **Bytes**, a PC Users Group dedicated to educating its members in the use of personal computers, digital devices and software, meets on the first Sunday of each month via **Zoom**. Zoom credentials are sent to members twice shortly before each meeting. If you are a SLO Bytes member and don’t receive this e-mail, please contact [ralph@rsutter.com](mailto:ralph@rsutter.com).

All meetings are open to the public at no cost. A general interest and Q&A session occurs from 12:45 PM to 2:00 PM and guest speaker presentations begin at 2:30 PM. Contact **Ralph Sutter** ([ralph@rsutter.com](mailto:ralph@rsutter.com)) or visit [slobytes.org](http://www.slobytes.org/index.php) for additional information about SLO Bytes and the scheduled presentation. All ideas for speakers or presentation subjects are welcome.  
 **HardCopy** is a monthly publication of **SLO Bytes PC Users' Group** located in San Luis Obispo, California. Information in this newsletter is derived from both our own membership and other PC user group newsletters.

The purpose of this publication is to inform our members of meetings and provide information related to the use of PCs and various operating systems.  
Membership dues are $25 per year. Membership entitles you to our monthly newsletter via e-mail, technical assistance comradeship and a voice in the affairs of the club.

***▫▫▫▫▫▫▫▫▫▫▫▫▫▫▫▫▫▫▫▫▫▫▫***

***Outside Special Interest Groups (SIGs)*The Linux Group** normally meets via Zoom at 6:30 PM on the first Thursday of the month.  
View the web site at [www.slolug.com](http://www.slolug.com). Contact [Alan@alanraul.com](mailto:Alan@alanraul.com) for credentials to join the Zoom Session.  
 **The Photography Group** normally meets via Zoom beginning at 1:00 PM on the second Sunday of each month. Contact [ralph@rsutter.com](mailto:ralph@rsutter.com) for credentials to join the Zoom Session.  
Visit the website at [www.slobytes.org/digital](http://www.slobytes.org/digital)

***▫▫▫▫▫▫▫▫▫▫▫▫▫▫▫▫▫▫▫▫▫▫▫***

***SLO Bytes Officers/Volunteers*Officers**Earl Kaplan – President: [earlkaplan@gmail.com](mailto:earlkaplan@gmail.com)   
John Waller - Vice President; Programs Chair/Publicity: [johnlwaller@sbcglobal.net](mailto:johnlwaller@sbcglobal.net)   
Kaye Raul – Treasurer; Membership: [kaye@kayeraul.com](mailto:kaye@kayeraul.com)   
Ralph Sutter – Secretary, Webmaster/HardCopy Editor, Photo SIG Leader: [ralph@rsutter.com](mailto:ralph@rsutter.com)   
Alan Raul – Training Officer/Linux Group Leader: [alan@alanraul.com](mailto:alan@alanraul.com)

***▫▫▫▫▫▫▫▫▫▫▫▫▫▫▫▫▫▫▫▫▫▫▫***

**Disclaimer**: Neither SLO Bytes PC Users' Group, its officers, editors, or contributors to this newsletter assume liability for damages arising out of this publication of any article, including but not limited to the listing of programming code, batch   
files and other helpful hints. Articles from this newsletter may be reprinted by other user groups if credit is given to both   
  
the author and newsletter from which it was taken. Reproduction of articles with a specific copyright notice is prohibited without prior permission from the original author.

**SLO Bytes Website**: [slobytes.org](http://www.slobytes.org/index.html)