MUUGLines

The Manitoba UNIX User Group Newsletter

Volume 34 No. 4, December 2021 Editor: Bradford C. Vokey

Next Meeting: December 14th, 2021 (Online Video Meeting)

Format: Mini-Presentation, Extended Round-Table, and Show-and-Tell

MUUG has a tradition of making the December meeting more of an informal, social gathering. Because we're still meeting online, we've had to let go of some of the traditional aspects of our year-end meeting (like sharing food), but we'll try to keep some of our social December tradition alive.

Show us your favorite gadget!

As part of an extended round-table discussion, we'll try to keep the gadget show-and-tell. This year, you don't have to haul it to the meeting site, but it will have to be small enough to show on your webcam!

If you have a cool device, something unusual, whether brand new or ready for the museum, there will be an opportunity to show it off.

Mini-Presentation: Jellyfin

Jellyfin

This month, Wyatt Zacharias will demonstrate a suite of free and open-source multimedia applications designed to organize, manage, and share digital media files to networked devices.

https://github.com/jellyfin/jellyfin

Where to Find the Meeting:

https://muug.ca/meet

This month we will continue to use the open source meeting software: Big Blue Button. If you haven't tried it yet, we recommend joining the meeting a little early to familiarize yourself with the controls.

The virtual meeting room will be open by 7:00 pm on December 14th, with the actual meeting starting at 7:30 pm. You do not need to install any special app or software to use Big Blue Button: you can use it via any modern web-cam-enabled browser by going to the website link above.

Please note that the link above will not be active until approx. 30 minutes before the actually meeting date and time.

The latest meeting details are always at:

https://muug.ca/meetings/

Harvest Manitoba

HARVEST

MUUG will not be collecting food or cash donations this year, but please remember that the needs for some may be greater than usual during this continued pandemic. We encourage everyone to donate to Harvest Manitoba, or your favourite local charity!

Help us promote this month's meeting, by putting this poster up on your workplace bulletin board or other suitable public message board:

https://muug.ca/meetings/MUUGmeeting.pdf

Meet Your New Board

The MUUG Board for the 2021-2022 year was elected by acclamation at the November general meeting.

Your board consists of 10 members:

1. Alberto Abrao
2. Trevor Cordes
3. Troy Denton
4. Gilbert Detillieux
5. Kevin McGregor
6. Katherine Scrupa
7. Adam Thompson
8. Tyhr Trubiak
9. Brad Vokey
10. Wyatt Zacharias

A big thank you to all the nominees who let their names stand for election.

Board Positions

Your new board held their first board meeting on November 16th, and for the 7th year in a row they elected the same executive positions/officers (as per our by-laws).

President:	Wyatt Zacharias
Vice-President:	Trevor Cordes
Secretary:	Gilbert Detillieux
Treasurer:	Brad Vokey

We also appointed the following *unofficial officers*:

Social Media Ninja:	Brad Vokey
Door Prize Don:	Trevor Cordes

We do endeavour to have fun at our board meetings!

Your **banking committee** continues to be:
Brad Vokey, Gilbert Detillieux and Kevin McGregor.

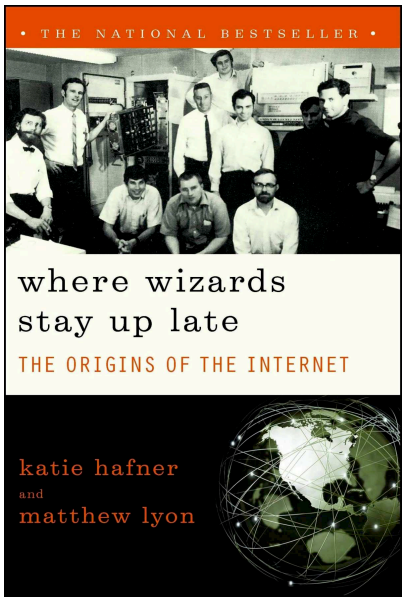
Your **server committee** continues to be:
Adam Thompson, Trevor Cordes, Wyatt Zacharias, and Katherine Scrupa.

The new board looks forward to serving you over the next year. If you have any questions or requests, feel free to send an email to <board@muug.ca>.

December Door Prizes:

Last month's physical book did not get picked (everyone picked e-books)! So along with our usual selection of e-books we still have to give away:

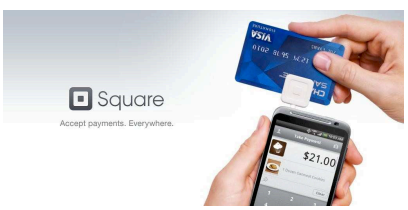
Where Wizards Stay Up Late: The Origins Of The Internet
by Katie Hafner and Mathew Lyon
[Simon & Schuster 1998]
Pages: 304



Where Wizards Stay Up Late is the exciting story of the pioneers responsible for creating the most talked about, most influential, and most far-reaching communications breakthrough since the invention of the telephone.

In the 1960's, when computers where regarded as mere giant calculators, J.C.R. Licklider at MIT saw them as the ultimate communications devices. With Defense Department funds, he and a band of visionary computer whizzes began work on a nationwide, interlocking network of computers. Taking readers behind the scenes, Where Wizards Stay Up Late captures the hard work, genius, and happy accidents of their daring, stunningly successful venture.

$1,000 worth of Free Credit Card Processing!



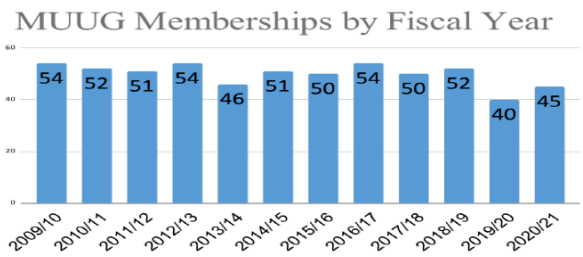
Sign up with Square (the credit card processor that MUUG uses) and both you and MUUG will receive $1,000 in free processing for the next 6 months (180 days).

You must use the following referral link to receive the credit:

https://squareup.com/i/MANITOBAU1

MUUG Annual Financial Statements

By Bradford C. Vokey, MUUG treasurer



MUUG membership increased by 5 paying members for the 2020-2021 fiscal season! We now have a total of 45 paying members.

A big ***Thank You***, to all the members who have continued supporting us through the pandemic. **It is very much appreciated!**

If your MUUG membership has lapsed, please help support us by renewing it today! Payment can be made via e-transfer, credit card, or Paypal here:

`https://muug.ca/about.php#payment`

MUUG Balance Sheet

as at 2021-10-31

Assets	
Bank and Cash Accounts	
Guaranteed Investment Certificates	7,625.19
Chequing (Bank of Montreal)	42.50
Chequing (SCU)	84.32
Savings (SCU)	4,871.00
Total Bank and Cash Accounts	**12,623.01**
Other Assets	
Computer Equipment	2,500.00
Membership Dues Owing	20.00
Steinbach Credit Union Share	5.00
Total Other Assets	**2,525.00**
Total Assets	**15,148.01**
Liabilities	
Prepaid Membership Dues	**120.00**
Owed to Members	
Trevor Cordes	22.79
Bradford Vokey	48.67
Total Owed to Members	**71.46**
Total Liabilities	**191.46**
Net Worth	**14,956.55**

After 7 long years of deficits, we finally ended the 2020-2021 fiscal year with a $274 surplus!

However, our MUUG server was just recently upgraded at the end of October (at a cost of $2,500) which will be written off at $500 per year for the next 5 years starting in the 2021-2022 fiscal year.

MUUG Income and Expenses

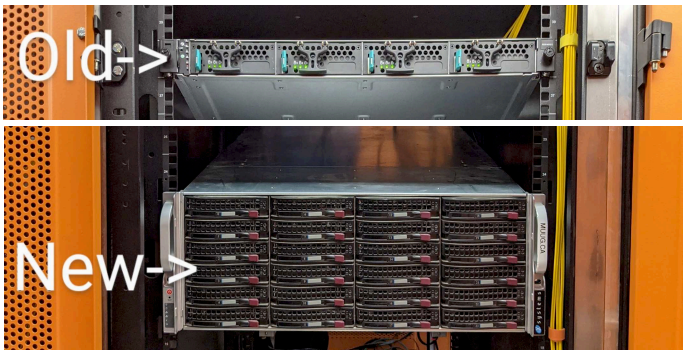
2020-2021 Season (2020-11-01 through 2021-10-31)

Income	
Membership Dues	
Current Year (2020/2021) Paid	880.00
Current Year (2020/2021) Owing	20.00
Total Membership Dues	**900.00**
GIC & Chequing Interest Income	**337.63**
Total Income	**1,237.63**
Expenses	
Advertising & Promotion *(see note 1)*	**355.78**
Bank Charges	
Bank of Montreal	30.00
PayPal	18.76
Square	7.32
Steinbach Credit Union	4.15
Total Bank Charges	**60.23**
Computer Equipment	
Replacement Parts *(see note 2)*	293.85
Total Computer Equipment	**293.85**
Meeting Expenses	
Board Meeting Snacks & Drinks	48.67
Door Prizes	194.28
Regular Meeting Snacks & Drinks	4.43
Supplies	3.37
Total Meeting Expenses	**250.75**
Other Expenses	
Other Printing	2.90
Total Other Expenses	**2.90**
Total Expenses	**963.51**
Total Surplus	**274.12**

Note 1: *Advertising and Promotion consists of:*
$256.19 for Meetup.com ($197.88 US).
$99.59 for 2 week Facebook promotion for Jan meeting.

Note 2: *Replacement server parts consists of:*
- 4TB Seagate Ironwolf SATA HDD
- 4TB Western Digital Red Plus SATA HDD
- postage for Seagate Ironwolf RMA

Meet Your New MUUG Mirror!



In November, your MUUG board was able to obtain a used server from Tangent Animation to replace our current 7 year old bottle necked muug.ca mirror.

Here are the specs of our new server:

- iXsystems FREENAS-CERTIFIED-4U24-V2
- Supermicro X10DRH-CLN4 motherboard
- 2 x Intel Xeon E5-2620 v4 @ 2.10GHz (3.6GHz turbo)
- 64GB (8 x 8GB) DDR4 Registered ECC, 2133MT/s [max. 512GB]
- 2 x Supermicro 1280W redundant PSUs
- 24 hot-swap 3.5" bays (with SES support)
- 1 x Intel DC S3510 480GB SSDs
- 1 x Intel DC S3710 200GB SSDs
- 2 x 32GB Innodisk SATADOM-SV 3ME3 boot device [NB: doesn't have to be the boot device]
- 24 x HGST HUS726040AL4210 4TB SAS3 7200RPM HDDs
- 2 x Chelsio T520-SO 10G NICs [optics included]
- rack rails included

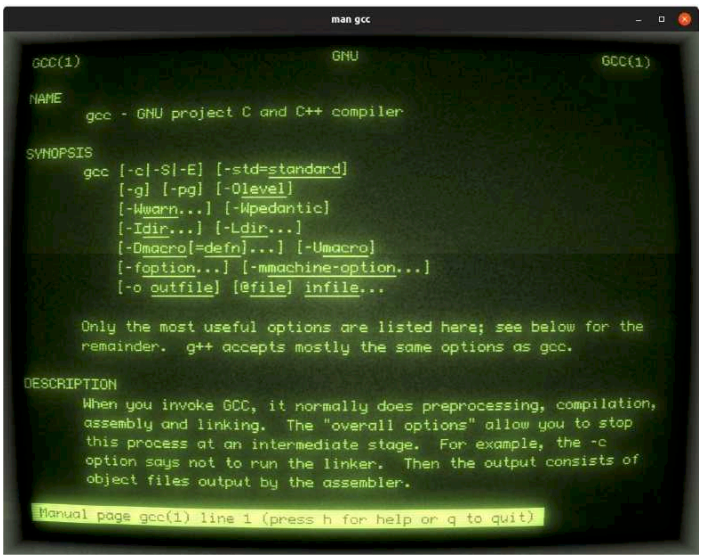
All for only $2,500!

A big "Thank You" needs to go to **Adam Thompson** who has put in many hours getting the new server up and running and testing out multiple, multiple, multiple, configurations:

> *"I think we're sticking with RAID10 and 2x hot-spares... this topology produces >2GBytes/sec of peak throughput (read AND/OR write), while maintaining roughly the same amount of space we had, and either improving or keeping roughly the same amount of redundancy, depending on how you look at it."*

Cool Retro Term

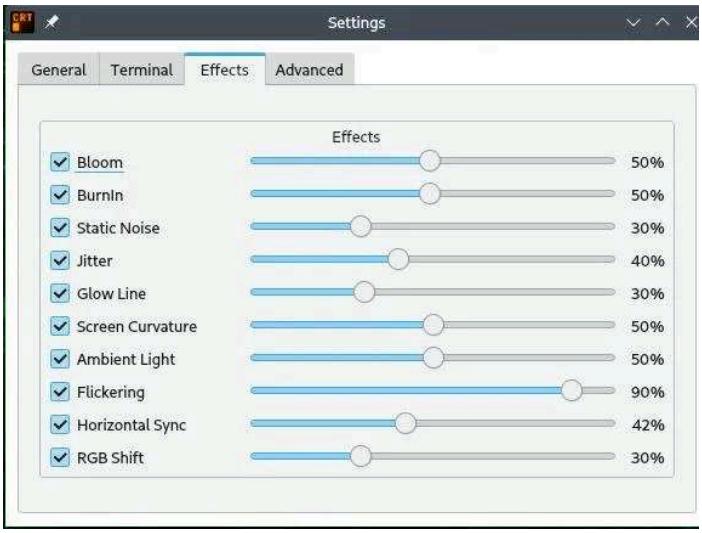
Use the command line – the old way!



Why bring back your old CRT memories? *Why Not!*

`cool-retro-term` is a free and open-sourced terminal emulator which mimics the look and feel of old cathode tube screens right in your modern Linux terminal. It has been designed to be eye-candy, customizable, and reasonably lightweight.

Options include built-in pre-sets for Amber, Green, Scanlines, Pixelated, Apple][, Vintage, IBM Dos, IBM3278, and lets you play with various tweaks:



It uses the QML port of qtermwidget (Konsole) and works under Linux and macOS (requires Qt 5.2 or higher). Packages are available for Debian, Arch, and Fedora/RHEL

`https://github.com/Swordfish90/cool-retro-term`

tldr

Simplified community-driven man pages

The `tldr-pages project` is a collection of community-maintained help pages for command-line tools, that aims to be a simpler, more approachable complement to our beloved man pages, with practical examples.

Although man pages are still the canonical and complete source of information, in some cases, `man` is too much. Sometimes you don't need all that information about a command; you're just trying to remember the basic options! Maybe you are new to the command-line world? Or just a little rusty? Or perhaps you can't always remember the arguments to `lsof`, or `tar`?

For example, the `man` page for the `tar` command is almost 1,000 lines long with the first example line being the cryptic:

```
tar {A|c|d|r|t|u|x}[GnSkUWOmpsMBiajJzZhPlRvwo] [ARG...]
```

In contrast, the `tldr` for `tar` is only 31 lines long and looks like this:

```
> tldr tar

  tar
  Archiving utility.
  Optional compression with gzip / bzip.

  - Create an archive from files:
    tar cf target.tar file1 file2 file3

  - Create a gzipped archive:
    tar czf target.tar.gz file1 file2 file3

  - Extract an archive in a target folder:
    tar xf source.tar -C folder

  - Extract a gzipped archive in the current directory:
    tar xzf source.tar.gz

  - Extract a bzipped archive in the current directory:
    tar xjf source.tar.bz2

  - Create a compressed archive, using archive suffix to determine the compression program:
    tar caf target.tar.xz file1 file2 file3

  - List the contents of a tar file:
    tar tvf source.tar
```

For those still living under a rock, TLDR stands for "*too long; didn't read,*" which is internet slang for a summary of long text. A perfect name for this useful tool!

Packages are available for most Linux distros and clients are available for desktop, mobile, web, and many application integrations as well.

`https://tldr.sh/`

Share Your Thoughts

Please email MUUG with your comments and suggestions regarding the newsletter and the meetings. Whether it's criticisms or commendations, we want to hear from you. Specifically, what sort of material would you like to see and/or hear about.

Send an email to: `board@muug.ca`.

Thank You Les.net

A continued thank you to LES.net for providing MUUG free hosting and bandwidth for our server and mirror. Les.net (1996) Inc. is a local provider of VoIP, Internet and Data Centre services. Contact sales@les.net or call 204-944-0009.

`https://les.net`

Thank You Michael W. Lucas

MUUG would like to thank Michael W. Lucas for donating one of his ebooks every month as a door prize.

You can view and purchase his tech books here:

`https://www.tiltedwindmillpress.com/product-category/tech/`

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