Installing and using cool-retro-term on Raspbian

This is a fairly complex installation. It is therefore recommended to make a backup copy of the SD card on which you want to install cool-retro-term before starting. You need full Raspbian, because cool-retro-term will only start properly on the desktop. It uses xwindows. I have it installed on a separate Raspberry Pi and am using ssh, but you should also be able to install it on the Raspberry Pi, on which PiDP-11 is running. In the second case you might have to disable some of the many effects to make sure that there is enough cpu power left for PiDP-11.

Open a terminal on the Raspbian desktop and set up Raspbian GL support (thanks to Brian Makin). Type

```
sudo raspi-config
```

Select 7-Advanced option, then GL driver and then G1-GL full KMS. Then use <ok> and <Finish> to get back to the command window.

Now install qt5 as follows. It appears to be essential to use apt and not apt-get in some steps! You can use copy and paste to copy each individual line into the terminal window. <ctrl>v will not work in the terminal window, but <shift><ctrl>v does.

```
sudo apt-get update
sudo apt-get upgrade

sudo apt install build-essential qmlscene qt5-qmake qt5-default qtdeclarative5-dev
sudo apt install qml-module-qtquick-controls qml-module-qtgraphicaleffects
sudo apt install qml-module-qtquick-dialogs qml-module-qtquick-localstorage
sudo apt install qml-module-qtquick-window2 qml-module-qt-labs-settings
sudo apt install qml-module-qt-labs-folderlistmodel

cd
git clone --recursive https://github.com/Swordfish90/cool-retro-term.git
cd cool-retro-term
qmake && make
chmod +x cool-retro-term
```

Watch while the compiler compiles and installs cool-retro-term. You will get quite a few warnings, but none of them appears to be serious.

When you are done, start cool-retro-term for the first time

```
./cool-retro-term
```

Fine Tuning:

- Make a cool-retro-term icon available on your desktop. Download Cool-retro-term.desktop from this repository and put it into ~/Desktop. It starts cool-retro-term in full screen mode. If you want a window instead, remove the —fullscreen on the exec line. To exit the full screen window, use <shift><ctrl>q

- If you are using vi in 2.11BSD or any other historical Unix distribution, it is essential that the terminal screen has exactly 24 lines. Right-click anywhere in the cool-retro-term window to get to the configuration menu, and use View->zoom in until it quickly shows that you have 24 lines.

- Maybe you do not like all effects, or you need to make sure that cool-retro-term uses less cpu power. Right-click anywhere in the cool-retro-term menu and use Settings->Effects to set the effects to your liking. Maybe you will also want to play around with all the other settings.