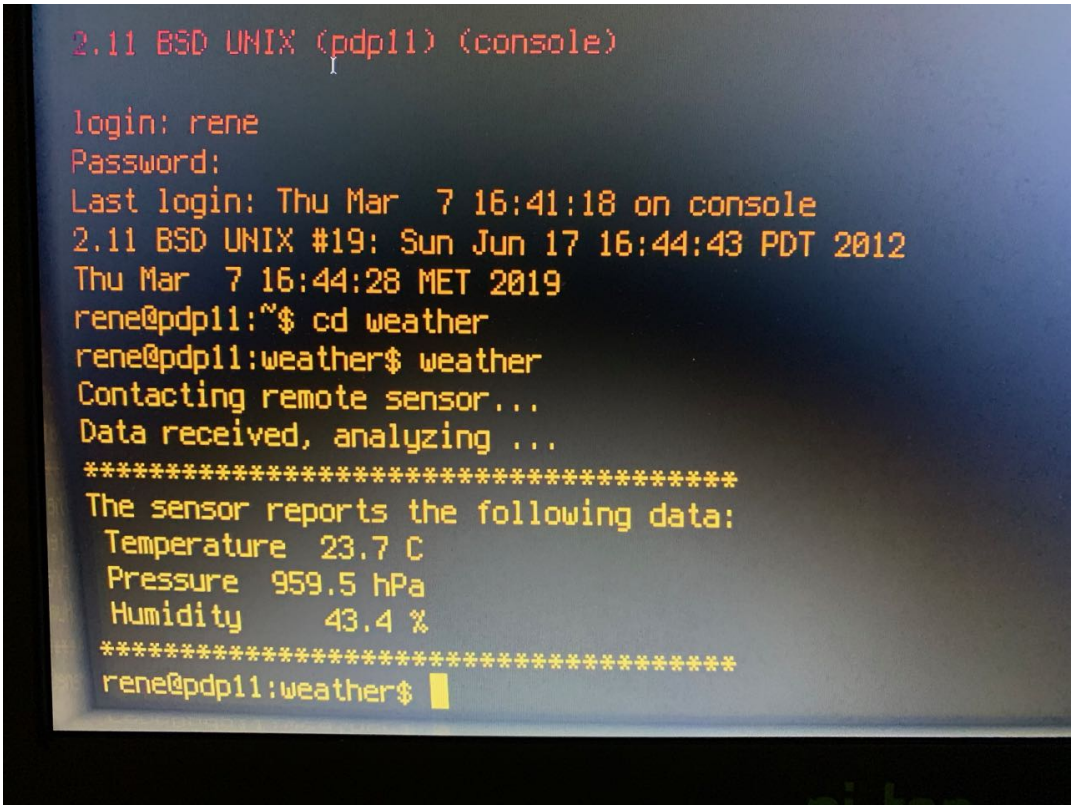
A cool-retro-weatherstation



This is an ongoing project. It is currently functional, but I have plans to add further functionality in the near future.

If you want to make one yourself, proceed as follows:

Using the other tutorials in my github repo https://github.com/rricharz/pidp11-2.11bsd, do the following:

- add a user in 2.11 BSD
- set date and time automatically during bootup (to be used to save weather data)
- install cool-retro-term
- prepare a remote pizerow for the weather sensor (see “using rsh to run an command”)
- install a BME280 weather sensor on the remote pizerow, see https://www.raspberrypi-spy.co.uk/2016/07/using-bme280-i2c-temperature-pressure-sensor-in-python/
- A copy of the python script to read the sensor data is in this repository under weather/sensor
- Make sure that this script works properly on the remote pizerow and put a copy into /home/pi/bin on the remote pizerow
- Log into 2.11BSD using cool-retro-term as the newly created user

```
mkdir weather
cd weather
```

- Use any available means (such as for example FileZilla), to copy the files from weather/BSD into the new weather directory

- Execute the newly copied command weather in 2.11BSD

How to proceed from here:

- Improve the weather display in 2.11BSD
- Call the program in a loop in reasonable intervals
- Save the data in a file on the PiDP-11
- Analyze current and past weather data.