



0x12th birthday
celebration

BCB moved

- At the end of 2025 BCB moved to the refurbished Bradford Arts Centre off Church Bank; so our face-to-face meetings since February 2026 have been held at this new venue

Wuthering Bytes

There had been no Wuthering Bytes in 2025 or 2026 but there was an Open Source Hardware Camp in 2026 to which Alan had contributed a paper on 'A Multi-Function Instrument for School Physics Experiments' which he had previously shared with the August 2026 BradLUG meeting.

Sadly Alan's presentation was cut short on the day but is available through a link in the notes of the August meeting.

Demos and presentations

- From Steve: RC2014 modular computer using the Z80 and running CP/M 2.2
- Backup strategy for openmediavault NAS using ZFS Raid-1 with 3x 6TB HDD using a Raspberry Pi 4 attached to an 8TB USB 3.0 HDD
- Moving from pfSense to OPNsense using a Smoothwall P2 PFSense Router with OPNsense installed on it

Demos and presentations

- From Brian: the Calibre Content server
- Tasmota plug with a power monitor
- From Bernie: the W3.CSS, Alpine.js and htmx libraries
- The Instrument Neutral Distributed Interface (INDI) terminal program
- Using LyX and the LyXHTML exporter for generating MathML

Demos and presentations

- From Bernie: the completed project to obtain time-lapse video of his apple tree throughout the year by taking a photograph of it every midday
- From Darren: two demos of APL, one involving coding Conway's Game of Life
- From John: Konqueror, KMyMoney and Gnucash

News

- From Bernie: Raspberry Pi 500+
- Python: The documentary and an explanation of the dispute over the Walrus operator `:=`
- piwheels which contain compiled binaries for the C components of a Python program
- Slide rule emulations written in Javascript

News

- From David: 52 year old data tape that could contain the only known copy of Unix-V4
- Donald Knuth's experiences with Claude
- systemd birthDate
- an extension lead for a Micro SD which avoids having to insert Micro SDs into fiddly slots

News

- From David: FT serial port to USB adapters for the Orange Pi 4LTS, 'Le potato' and Raspberry Pi 3 for which Armbian seems to be one that everything coalesces around
- From John: PPDs being phased out in CUPS in favour of IPP
- Auto-save to recovery file or backup file
- the German Federal Government will only accept ODF and PDF/UA for documents from 2027

News

- From John: Plasma Tube which relies on yt-dlp
- From Darren: Capability Hardware Enhanced RISC Instructions (CHERI)
- H-Neurons: On the Existence, Impact, and Origin of Hallucination-Associated Neurons in LLMs: H-Neurons survive from the early training of LLMs and their existence can predict whether an LLM will give a false answer

Questions

- From Darren: support for JPEG 2000; so far only Gnome supports it, KDE does not
- Linux on Android: this is promised for Android 16; currently Termux offers terminal emulation; there is also the NoMone Desktop which is a paid app.
- From Mike: Europe based podcasts: The Europeans or European alternatives for digital products

Questions

- From Mike: su or sudo: su is sufficient for a single user; sudo offers a lot more granularity but is hard to set up; sudo logs who uses it

Recommendations

- From David: rEFInd for diagnosing UEFI issues
- LineageOS for getting Android updates which manufacturers have stopped providing
- From Brian: Android Open Source Project (AOSP)
- Le Chat which is better than Google Gemini for writing software with AI

Recommendations

- From Steve: DroidCam for Windows which allows you to control the webcam
- tldr pages which simplifies man pages with examples
- From Bernie: the Oilfield Units YouTube video
- From David: convert videos from H.264 to H.265 to save space given the exorbitant cost of storage

On microfortnights — by David

- The PDP11, on which UNIX was created, did not have a real time clock; you could pay for a clock which gave you an interrupt based on the mains frequency
- Time in UNIX was a signed integer
- Multics had 72bit microsecond precision but nothing could use it

On microfortnights, continued — by David

- Systems relied on the operator typing the date and time correctly
- The VAX firmware was on a floppy which you put into the PDP11 operating as a console where you would enter the date and time
- VAX VMS had a microfortnight (approx. 1 sec) used to define the time it would wait for the operator to put in date and time



That's all, folks