

**Page 5 : Limited Driver & Kernel Exposure** ( Beyond { Unix since 1978 + C since ~'81 + BSD since UCB 4.2 + FreeBSD patch-set contributor before FreeBSD adopted versions numbers, eg inc. 386BSD) } )

- 6800 parallel port relay & stepper motor control, designed developed built tested & documented hardware & software.
- Wrote Z80 embedded sio driver (interrupt with watchdog polling);
- Hardware & software design & build of an NSC 32016 prototype microcomputer inc. monitor in C + hand assembly of test loop, tested with logic analyser; (followed by work toward building a product & company).
- Read parts of Lions' book & bits of code on Version 6 Unix (Around '82). [https://en.wikipedia.org/wiki/Lions%27\\_Commentary\\_on\\_UNIX\\_6th\\_Edition,\\_with\\_Source\\_C](https://en.wikipedia.org/wiki/Lions%27_Commentary_on_UNIX_6th_Edition,_with_Source_C)
- Enhanced Minix floppy driver to double the capacity;
- Searched for tape driver bug on Symmetric 375 (BSD 4.2) (but link-able kernel modules had other bugs, so wrote recovery program instead).
- Run time init for VRTX RTOS devices,
- Looked in FreeBSD kernel re 16M bounce buffers & cache etc.
- Rolled custom kernel FreeBSD configs for decades,
- Looked for clues to failure & chip-sets etc in FreeBSD drivers (last urtwn, re. heat, still pending).
- 3 of Addison Wesley series "Design & Implementation of \*BSD.." on the shelf.
- Nothing big yet, always something else more urgent to fix or develop, but interested to do more.

### **Page 5 : Management & Organisational Experience**

Liason operational & projects departments & suppliers, BTI london.  
Chaired Student Union Elections Committee: Managed election of ~2,500. chaired unruly meeting of many hundreds, after previous 2 chairs no confided.  
Business plan & Venture Capital seeking, Canterbury (NSC 32016).  
Team of 2: assessing & specifying 1 million pound database (1983 prices).  
Responsible for DP esp. Unix services to 30 developers, BTI London.  
Managing 2 technicians for BTI, London.  
Supervision of student project, BTI, London.  
Responsible for Siemens 7 language 2 CPU architecture production.  
Created Vector Systems Ltd, sought & found work for associates.  
Organised countless ski trips for up to 38 people in 13 cars.  
Recruited & installed programmer for VSL on 3 Siemens developments.  
Recruited & flew over kernel programmer to present to Siemens.  
Landlord of 2 UK rental properties ... tenant relationships.  
Sys. eng. requirements: design, budget, lethal floor loading alert.  
Lecturing in German (& controlling some !) & examining for Dekra.  
er for elections & firework launch teams of sports & social club.  
Organised organisers of ski trips & beer garden trips.  
Created & run many mail lists on <http://berklix.org>  
Host other peoples domains & lists on Berklix servers.  
Created & organised <http://berklix.org/bim/> & <http://berklix.org/mecc/>  
Organised BIM exhibition manning for Elektronik Boerse & Systems Expo.  
Team assembly, management, & use of lawyer to sue debtor.  
Recruited team of speakers for <http://berklix.com/free/talk/>  
Management of Vector Systems Ltd, UK, inc. company tax etc.