

October 15-17 1973	SOSP presentation, New York, USA ¹
October 1973	Columbia University, New York, USA ²
October 1973	The Children's Museum, Boston, USA ²
October 1973	University of Alberta, Edmonton, Canada ³
October 1973	The University of Wisconsin, Madison, USA ⁴
Fall 1973	Harvard University, Cambridge, USA ⁵
late 1973	The Johns Hopkins University, Baltimore, USA ⁶
late 1973	The Cooper Union, New York, USA ⁶
1973	Yale University, New Haven, USA ⁷
January 1974	University of California, Berkeley, USA ⁸
February 1974	Hebrew University of Jerusalem, Jerusalem, Israel ²
May 1974	Queen Mary College (QMC), London, UK ²
same time as QMC	Stichting Mathematisch Centrum, Amsterdam, The Netherlands ⁹
July 1974	Rand Corporation, Santa Monica, USA ²
Fall 1974	Naval Postgraduate School, Monterey, USA ¹⁰
December 1974	University of New South Wales, Sydney, Australia ¹¹
December 1974	Katholieke Universiteit, Nijmegen, The Netherlands ¹²
late 1974	University of Toronto, Toronto, Canada ¹³
1974	California Polytechnic State University, San Luis Obispo, USA ¹⁴
1974	University of Illinois, Urbana-Champaign, USA ¹⁵
January 1975	International Institute for Applied Systems and Analysis, Laxenburg, Vienna ¹⁶
Spring 1975	Princeton University, New Jersey, USA ^{17, 18}
1975	Vrije Universiteit Amsterdam, Amsterdam, The Netherlands ¹⁹
before April 1976	Duke University, Durham, USA ²⁰
April 1976	Los Alamos Scientific Laboratory, Los Alamos, USA ²¹
Spring 1976	Yourdon Inc, New York, USA ²²
Summer 1976	University of Delaware, Newark, USA ²³
November 1976	The University of Wollongong, Wollongong, Australia ²⁴
September 1977	Katholieke Universiteit Leuven, Leuven, Belgium ²⁵
March 1978	The University of Melbourne, Melbourne, Australia ²⁴
May 1978	Ballistic Research Laboratory (BRL), Aberdeen, USA ^{26, 27}
November 1978	University of Queensland, Brisbane, Australia ²⁸

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June 1977	Interactive Systems Corp, Santa Monica, USA ⁷
November 1979	Onyx Systems, Cupertino, USA ²⁹
February 1980	Microsoft, Bellevue, USA ^{30, 31}
October 1980	First /usr/group meeting, sliding scale sub-licensing, Palo Alto, USA ^{32, 33}
1981	UniSoft, Berkeley, USA
1982	Sun Microsystems, Santa Clara, USA
1983	mt Xinu, Berkeley, USA

Printed Manual Dates³⁴

November 1971	First Edition	
June 1972	Second Edition	number of UNIX installations has grown to 10
February 1973	Third Edition	number of UNIX installations has grown to 16
November 1973	Fourth Edition	number of UNIX installations is now above 20
June 1974	Fifth Edition	number of UNIX installations is now above 50
May 1975	Sixth Edition	

January 1979 Seventh Edition

Installations mentioned in "The UNIX Time-Sharing System"

November 1973	about 20 ³⁵
July 1974	about 40 ³⁶
June 1975	about 100 ³⁷
August 1977	about 250 ³⁸
July 1978	over 600 ³⁹

References

1. Dennis M. Ritchie and Ken Thompson, "The UNIX Time-Sharing System," *Symposium on Operating Systems Principles*, ACM (October 1973).
2. Shamim Sharifuddin Pirzada, *A Statistical Examination of The Evolution of the UNIX System*, University of London (September 1988).
3. K. Smillie and E. Weiss, "The History of Computing Science at the University of Alberta," *IEEE Annals of the History of Computing* **18**(1), pp. 74-75 (1996).
4. *Minutes of the University of Wisconsin System Board of Regents* (May 11 1979).
[https://search.library.wisc.edu/digital/APAZ7SK5I4TL4U8O/
pages/AEIL6BZLTSEARE8Q?as=text&view=one](https://search.library.wisc.edu/digital/APAZ7SK5I4TL4U8O/pages/AEIL6BZLTSEARE8Q?as=text&view=one).
5. Brent Byer, "C Indentation, sloppy (??) Unix code," *net.lang.c* (May 7, 1985).
<https://www.tuhs.org/Usenet/comp.lang.c/1985-May/007189.html>.
6. Henry Spencer, "oldest Unix machine(s)," *net.unix-wizards* (May 1985).
<https://groups.google.com/g/net.unix-wizards/c/4zZR9FyzM8k/m/0Xu77eACHEAJ>.
7. "Personal Project In The Business World," *Datamation* **23**(11), pp. 188-189 (November 1977).
8. Marshall Kirk McKusick, "Twenty Years of Berkeley Unix" in *Open Sources: Voices from the Open Source Revolution*, O'Reilly (January 1999).
<https://www.oreilly.com/openbook/opensources/book/kirkmck.html>.
9. Peter H. Salus, *A quarter century of UNIX*, p. 124, Addison-Wesley (1994). ISBN 0-201-54777-5.
10. Ronald Edward Joy, *Implementation of An Adaptive Scheduling Algorithm for the MUNIX Operating System*, p. 11 (December 1975).
11. J. Lions, "UNIX in Australia, 1984," *EUUG Conference Proceedings*, pp. 46-57, Cambridge, England (September 1984).
12. Dennis Ritchie, *Old licenses and prices* (2003). <https://www.nokia.com/bell-labs/about/dennis-m-ritchie/licenses.html>.
13. Henry Spencer, "Unix history at U of T," *ut.general* (March 1985).
<https://groups.google.com/g/ut.general/c/ghv9JlVm8cc/m/2A60WZJgdd4J>.
14. Elmo A. Keller, *History of Cal Poly Computer Science Department* (2002).
<https://web.archive.org/web/20030203191847/http://www.csc.calpoly.edu/about/history/>.
15. *Semiannual Technical Report of the Center for Advanced Computation, July 1, 1974 - December 31, 1974*, pp. 25-26 (February 1, 1975). CAC Document No. 177.
16. Peter H. Salus, *A quarter century of UNIX*, p. 131, Addison-Wesley (1994). ISBN 0-201-54777-5.
17. Tom Lyon, *I'm celebrating my 50th year of using UNIX!* (March 2025).
https://mastodon.social/@aka_pugs/114185283246292475.
18. Joseph P. Skudlarek, "Tales of Two Turings," *Communications of the ACM* **64**(8) (August 2021).
19. Andrew S. Tanenbaum, *History of Computer Science at the Vrije Universiteit and Henri Bal's Role in It* (May 2025). https://cs.vu.nl/~ast/Henris_retirement.pdf.

20. Ronda Hauben, “Interview with Tom Truscott: On the Environment and Early Days of Usenet News,” *The Amateur Computerist* 8(1) (Winter/Spring 1988).
21. Karl J. Melendez and Robert T. Johnson, *Evaluation of the UNIX Time-Sharing System* (April 1977). <https://www.osti.gov/servlets/purl/7113946>.
22. Edward Yourdon, *Modern Structured Analysis*, p. 536 (1989). ISBN 0-13-598624-9.
23. Gary Luckenbaugh, *Gary Luckenbaugh’s Memories of Delta*. <https://udel.edu/~mm/www.project-delta.net/garyhistory.html>.
24. Juris Reinfelds, *The First port of Unix*, University of Wollongong.
25. *Computer museum: ATT Unix licence* (May 23 2015). <https://museum.cs.kuleuven.be/pdp/licentie-E.html>.
26. Mike Muuss, *comp.unix.wizards* (May 9, 1987). <https://groups.google.com/g/comp.unix.wizards/c/nqciE3b7zE/m/ZFkYCL8wS1QJ>.
27. Mike Muuss, *The History of Computing at BRL* (September 25, 1992). <https://ftp.arl.army.mil/~mike/comphist/hist.html>.
28. Prentice Computer Centre, *Mini Micro Newsletter*, p. 3 (24 November, 1978). <https://bitsavers.org/www.computer.museum.uq.edu.au/newsletters/>.
29. “Interview with Bob Marsh,” *Unix Review* 2(9), p. 40 (December 1984).
30. *Microsoft We Set The Standard We Are The Standard*, p. 4 (1982). <https://archive.org/details/microsoft-we-set-the-standard-we-are-the-standard-1982-brochure>.
31. Paul Allen, *Idea Man: A Memoir by the Cofounder of Microsoft*, p. 153 (2011). ISBN 978-1-59184-382-5.
32. “New Commercial UNIX Users Group,” *;login:* 5(8), p. 9 (October 1980). [https://archive.org/details/login_october-1980/page/9\(mode/2up](https://archive.org/details/login_october-1980/page/9(mode/2up).
33. Mokurai Cherlin, “UNIX Users Unite,” *InfoWorld* 2(22), pp. 24-25 (December 1980). <https://books.google.com/books?id=mD4EAAAAMBAJ&pg=PT23>.
34. Peter H. Salus, *A quarter century of UNIX*, p. 43, Addison-Wesley (1994). ISBN 0-201-54777-5.
35. Dennis M. Ritchie and Ken Thompson, *The UNIX Time-Sharing System* (November 1973). tuhs/Applications/Dennis_Tapes/dmr/paper/p1.
36. Dennis M. Ritchie and Ken Thompson, “The UNIX Time-Sharing System,” *Communications of the ACM* 17(7), pp. 365-375, ACM (July 1974).
37. Dennis M. Ritchie and Ken Thompson, “The UNIX Time-Sharing System” in *Documents for Use With the UNIX Time-sharing System* (1975).
38. Dennis M. Ritchie and Ken Thompson, “The UNIX Time-Sharing System,” *Proceedings of the Digital Equipment Computer Users Society* 3(5) (August 1977). https://archive.org/details/sim_digital-equipment-computer-users-society-transactions_1977_3_5.
39. Dennis M. Ritchie and Ken Thompson, “The UNIX Time-Sharing System,” *The Bell System Technical Journal* 57(6) (July-August 1978).