

October 16 1973	SOSP presentation, New York, USA <sup>1, 2</sup>
October 1973	Columbia University, New York, USA <sup>3</sup>
October 1973	The Children's Museum, Boston, USA <sup>3</sup>
October 1973	University of Alberta, Edmonton, Canada <sup>4</sup>
October 1973	The University of Wisconsin, Madison, USA <sup>5</sup>
Fall 1973	Harvard University, Cambridge, USA <sup>6</sup>
late 1973	The Johns Hopkins University, Baltimore, USA <sup>7</sup>
late 1973	The Cooper Union, New York, USA <sup>7</sup>
1973	Yale University, New Haven, USA <sup>8</sup>
1973 (CCNG), 1976 (CSG)	University of Waterloo, Waterloo, Canada <sup>9, 10</sup>
January 1974	University of California, Berkeley, USA <sup>11</sup>
February 1974	Hebrew University of Jerusalem, Jerusalem, Israel <sup>3</sup>
May 1974	Queen Mary College (QMC), London, UK <sup>3</sup>
same time as QMC	Stichting Mathematisch Centrum, Amsterdam, The Netherlands <sup>12</sup>
July 1974	Rand Corporation, Santa Monica, USA <sup>3</sup>
Fall 1974	Naval Postgraduate School, Monterey, USA <sup>13</sup>
December 1974	University of New South Wales, Sydney, Australia <sup>14</sup>
December 1974	Katholieke Universiteit, Nijmegen, The Netherlands <sup>15</sup>
late 1974	University of Toronto, Toronto, Canada <sup>16</sup>
1974	California Polytechnic State University, San Luis Obispo, USA <sup>17</sup>
1974	University of Illinois, Urbana-Champaign, USA <sup>18, 19, 20</sup>
1974	University of Texas, Austin, USA <sup>21</sup>
1974 installed late 1978	University of North Carolina at Chapel Hill, Chapel Hill, USA <sup>22, 23</sup>
January 1975	International Institute for Applied Systems Analysis, Laxenburg, Austria <sup>24</sup>
February 1975	University of Manitoba, Winnipeg, Canada <sup>25</sup>
Spring 1975	Princeton University, New Jersey, USA <sup>26, 27</sup>
mid 1975	University of Saskatchewan, Saskatoon, Canada <sup>28</sup>
September 1975	St. Olaf College, Northfield, USA <sup>29</sup>
1975	Vrije Universiteit Amsterdam, Amsterdam, The Netherlands <sup>30</sup>
before March 19 1976	New York Institute of Technology, Old Westbury, USA <sup>31</sup>
before March 19 1976	Case Western Reserve University, Cleveland, USA <sup>32</sup>
before April 1976	Duke University, Durham, USA <sup>33</sup>
April 1976	Los Alamos Scientific Laboratory, Los Alamos, USA <sup>34</sup>
Spring 1976	Yourdon Inc, New York, USA <sup>35</sup>
Summer 1976	University of Delaware, Newark, USA <sup>36</sup>
November 1976	The University of Wollongong, Wollongong, Australia <sup>37</sup>
September 1977	Katholieke Universiteit Leuven, Leuven, Belgium <sup>38</sup>
March 1978	The University of Melbourne, Melbourne, Australia <sup>37</sup>
May 1978	Ballistic Research Laboratory (BRL), Aberdeen, USA <sup>39, 40</sup>
November 1978	University of Queensland, Brisbane, Australia <sup>41</sup>
before May 1979	Tektronix, Beaverton, USA <sup>42</sup>

## Commercial Redistribution Licenses

June 1977	Interactive Systems Corp, Santa Monica, USA <sup>8</sup>
November 1979	Onyx Systems, Cupertino, USA <sup>43</sup>
February 1980	Microsoft, Bellevue, USA <sup>44, 45</sup>
May 19-22 1980	Juris Reinfelds meets founders of The Wollongong Group, Anaheim, USA <sup>37, 46</sup>
October 1980	First /usr/group meeting, sliding scale sub-licensing, Palo Alto, USA <sup>47, 48</sup>
November 1980	first sale, The Wollongong Group, Palo Alto, USA <sup>49</sup>
1981	UniSoft, Berkeley, USA
1982	Sun Microsystems, Santa Clara, USA

1983 mt Xinu, Berkeley, USA

### Printed Manual Dates<sup>50</sup>

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	

### References

1. Dennis M. Ritchie and Ken Thompson, “The UNIX Time-Sharing System,” *Symposium on Operating Systems Principles*, ACM (October 15-17, 1973).
2. John Lions, “The Future of UNIX,” *AUUGN* 5(2), p. 16 (March 1984).
3. Shamim Sharifuddin Pirzada, *A Statistical Examination of The Evolution of the UNIX System*, University of London (September 1988).
4. 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).
5. *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).
6. 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>.
7. Henry Spencer, “oldest Unix machine(s),” *net.unix-wizards* (May 1985).  
<https://groups.google.com/g/net.unix-wizards/c/4zZR9FyzM8k/m/0Xu77eACHEAJ>.
8. “Personal Project In The Business World,” *Datamation* 23(11), pp. 188-189 (November 1977).
9. Randall Howard, *The 'Bun Reunion - Celebrating the 1970's Roots of the Digital Age* (July 16, 2012). <https://randalljhoward.com/bun-reunion/>.
10. K. I. McPhee, *Letter to Mrs. I. Biren*, Computer Systems Group, University of Waterloo (July 16 1976). University of Waterloo Archives, SCA160 - J. Wesley Graham fonds, GA133, File 1530, <https://archives.uwaterloo.ca/j-wesley-graham-fonds>.
11. 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>.
12. Peter H. Salus, *A quarter century of UNIX*, p. 124, Addison-Wesley (1994). ISBN 0-201-54777-5.
13. Ronald Edward Joy, *Implementation of An Adaptive Scheduling Algorithm for the MUNIX Operating System*, p. 11 (December 1975).
14. J. Lions, “UNIX in Australia, 1984,” *EUUG Conference Proceedings*, pp. 46-57, Cambridge, England (September 1984).
15. Dennis Ritchie, *Old licenses and prices* (2003). <https://www.nokia.com/bell-labs/about/dennis-m-ritchie/licenses.html>.
16. Henry Spencer, “Unix history at U of T,” *ut.general* (March 1985).  
<https://groups.google.com/g/ut.general/c/ghv9JIVm8cc/m/2A60WZJgdd4J>.
17. Elmo A. Keller, *History of Cal Poly Computer Science Department* (2002).  
<https://web.archive.org/web/20030203191847/http://www.csc.calpoly.edu/about/history/>.

18. *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.
19. University of Illinois Urbana-Champaign, “Bruce Artwick is still flying,” *Computer Science Alumni News* 1(6), pp. 10-11. <https://fshistory.simflight.com/fsh/artwick.htm>.
20. Bruce A. Artwick, *A Versatile Computer-generated Dynamic Flight Display*, p. 53 (May 1976). <https://apps.dtic.mil/sti/tr/pdf/ADA027419.pdf>.
21. “Wally Wedel, Candidate for Secretary,” ;*login*: 11(2), p. 7 (March/April 1986). [https://archive.org/details/login\\_march86/page/n6/mode/1up](https://archive.org/details/login_march86/page/n6/mode/1up).
22. Peter Calingaert, *Growth of a Department, A Personal History of Computer Science at UNC-Chapel Hill, Adolescence: 1978-82* (1994). <https://www.cs.unc.edu/History/Adolescence.html>.
23. Peter Calingaert, *Growth of a Department, A Personal History of Computer Science at UNC-Chapel Hill, Computer and Communication Facilities* (1994). <https://www.cs.unc.edu/History/Facilities.html>.
24. Peter H. Salus, *A quarter century of UNIX*, p. 131, Addison-Wesley (1994). ISBN 0-201-54777-5.
25. *University of Manitoba Software Agreement (unsigned)* (February 1975). University of Waterloo Archives, SCA160 - J. Wesley Graham fonds, GA133, File 1530, <https://archives.uwaterloo.ca/j-wesley-graham-fonds>.
26. Tom Lyon, *I'm celebrating my 50th year of using UNIX!* (March 2025). [https://mastodon.social/@aka\\_pugs/114185283246292475](https://mastodon.social/@aka_pugs/114185283246292475).
27. Joseph P. Skudlarek, “Tales of Two Turings,” *Communications of the ACM* 64(8) (August 2021).
28. John Cooke, “Maturing Despite Problems, 1974 - 1981” in *Heads and Tales: Department of Computer Science University of Saskatchewan 1959-2018*, p. 9 (2018).
29. *A History of CS at St. Olaf*. <https://wp.stolaf.edu/cs/a-history-of-cs-at-st-olaf/>.
30. 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](https://cs.vu.nl/~ast/Henris_retirement.pdf).
31. “Mailing List Page 2,” *Unix News*(4) (March 19, 1976). [https://archive.org/details/unix\\_news\\_march-19-1976/page/n11/mode/1up](https://archive.org/details/unix_news_march-19-1976/page/n11/mode/1up).
32. “Mailing List Page 3,” *Unix News*(4) (March 19, 1976). [https://archive.org/details/unix\\_news\\_march-19-1976/page/n12/mode/1up](https://archive.org/details/unix_news_march-19-1976/page/n12/mode/1up).
33. Ronda Hauben, “Interview with Tom Truscott: On the Environment and Early Days of Usenet News,” *The Amateur Computerist* 8(1) (Winter/Spring 1988).
34. Karl J. Melendez and Robert T. Johnson, *Evaluation of the UNIX Time-Sharing System* (April 1977). <https://www.osti.gov/servlets/purl/7113946>.
35. Edward Yourdon, *Modern Structured Analysis*, p. 536 (1989). ISBN 0-13-598624-9.
36. Gary Luckenbaugh, *Gary Luckenbaugh's Memories of Delta*. <https://udel.edu/~mm/www.project-delta.net/garyhistory.html>.
37. Juris Reinfelds, *The First port of Unix*, University of Wollongong.
38. *Computer museum: ATT Unix licence* (May 23 2015). <https://museum.cs.kuleuven.be/pdp/licentie-E.html>.
39. Mike Muuss, *comp.unix.wizards* (May 9, 1987). <https://groups.google.com/g/comp.unix.wizards/c/qciE3b7zE/m/ZFkYCL8wS1QJ>.
40. Mike Muuss, *The History of Computing at BRL* (September 25, 1992). <https://ftp.arl.army.mil/~mike/comphist/hist.html>.
41. Prentice Computer Centre, *Mini Micro Newsletter*; p. 3 (24 November, 1978). <https://bitsavers.org/www.computer.museum.uq.edu.au/newsletters/>.
42. Peter H. Salus, *A quarter century of UNIX*, p. 109, Addison-Wesley (1994). ISBN 0-201-54777-5.

43. “Interview with Bob Marsh,” *Unix Review* 2(9), p. 40 (December 1984).
44. *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>.
45. Paul Allen, *Idea Man: A Memoir by the Cofounder of Microsoft*, p. 153 (2011). ISBN 978-1-59184-382-5.
46. *Proceedings of the National Computer Conference* (May 19-22, 1980).  
<https://dl.acm.org/doi/proceedings/10.1145/1500518>.
47. “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).
48. Mokurai Cherlin, “UNIX Users Unite,” *InfoWorld* 2(22), pp. 24-25 (December 1980).  
<https://books.google.com/books?id=mD4EAAAAMBAJ&pg=PT23>.
49. Gary A. Gorgen, “Did AT&T offer Unix to Digital Equipment in the 70s?” *alt.folklore.computers* (Jul 2, 2001). [https://groups.google.com/g/alt.folklore.computers/c/vUWM4-3Rpe4/m/LbL4\\_O03kQAJ](https://groups.google.com/g/alt.folklore.computers/c/vUWM4-3Rpe4/m/LbL4_O03kQAJ).
50. Peter H. Salus, *A quarter century of UNIX*, p. 43, Addison-Wesley (1994). ISBN 0-201-54777-5.