



"Our Quasquicentennial Year"

Quantum Leaps: Electronic Access Technology

Session UID 7T

May 10, 2005

Seattle, Washington

Maureen Hogg

Ball Aerospace & Technologies Corp.

Boulder, Colorado



"Our Quasquicentennial Year"

Technology Development Timeline

- 1971 – Texas Instruments announces release of its standard one-chip NOS/LSI calculator logic circuit
- 1971 – TeleSensory Systems, Inc. releases its first Optacon
- 1975 – MecTec of Germany releases first refreshable Braille displays
- 1979 – Ball Aerospace originates TC
- 1987 – BANA issues Computer Braille Code
- 1988 – Henter-Joyce (now a division of Freedom Scientific) releases first JAWS screen reading software
- 1997 – HandyTech releases Mod 80 refreshable Braille display
- 1998 – Advanced Access Devices releases first SuperBraille LT
- 2001 – ABTIM releases first VideoTIM
- 2002 – Ultratec releases first CapTel



"Our Quasquicentennial Year"

User Implementation Timeline

- 1970 – Categorized legally blind and deaf for educational purposes
- 1973 – Graduated high school and entered college
- 1974 – Received first Optacon
- 1977 – Graduated magna cum laude from UNC
- 1978 – Hired by Ball Aerospace
- 1981 – Began to implement first TC
- 1987 – Initiated computer access with Optacon and CRT lens on VAX VT-100 using MASS11
- 2001 – Implemented SuperBraille 2000-LT running JAWS on Windows 95/98
- 2003 – Added HandyTech Mod 80 desktop running JAWS on Windows XP Pro