

# AUTHORS – Our Stories

*Lowell A. Benson, retired 1994 as a Unisys Senior Staff Engineer –*

## INTRODUCTION

In October 2005 a committee was formed to tell the untold story of Engineering Research Associates, its seminal start of the Minnesota computer industry, its impact on the state’s technology evolution, and the inspiration to drive people to create new companies with technology applications. Each and every author listed hereunder has told parts of the ERA and successor history. Numerous books and papers also relate parts of the story from different perspectives; they are listed or linked from <https://vipclubmn.org/OurStories.html#Books> and <https://vipclubmn.org/OurStories.html#unpub>.

In January 2023 we posted the TellingIt.pdf paper [<https://vipclubmn.org/Articles/TellingIt.pdf>] with a table of Our Story authors through December 2022. This paper is an update of that table. A chapter-by-chapter table of anthology authors is at <https://vipclubmn.org/PeopleIdx.html#Writers>. An integral part of our legacy are the companies illustrated with this icon. We have been telling this amazing story of technological evolutions for two decades!



Byproducts of the legacy initiative are the companies’ milestones, <https://vipclubmn.org/Milestones.html>; the VIP Club milestones, <https://vipclubmn.org/history.html#Milestones>; and the social activity histories, <https://vipclubmn.org/activities.html#Geeks>.

***Are we done telling the story? Almost.***

## MONTHLY STORIES

Many of these stories are intertwined and some overlap. Our Legacy has seven decades of air traffic control, six decades of Naval Tactical Data Systems, six decades of Airborne Surveillance, and thousands of satisfied users and customers in Minnesota, the US, and throughout the world.

### By Author (primary person)

Primary Writer(s)	Title or Topic of Story	Posted
<a href="#">Abbott, Dennis</a>	Canadian <a href="#">Patrol Frigate</a> (CPF)	2008-05
Alcon, Chuck LCDR US Navy (ret.)	Navy <a href="#">Standards Program</a> – Don Ream tribute	2020-12
Allen, Clyde	<a href="#">Engineering Organization</a> , Sperry 1980	2015-10
Andersen, David	Invention of <a href="#">Voice Mail</a>	2007-06
Anderson, Larry and Earl Vraa	VHSIC <a href="#">Hardware Design</a> Methodology	2009-08
Anderson, Sally via Bernie Jansen	<a href="#">Artifact Accessioning</a> at DCHS museum	2014-11
Anderson, Steve	Apollo 11 Memories – <a href="#">a TPT video interview</a>	2019-07

<u>Primary Writer(s)</u>	<u>Title or Topic of Story</u>	<u>Posted</u>
<a href="#">Andrews</a> , Jim	<a href="#">Autogram Display</a> and How It Reduced the Logic Design Cycle	2022-05
Angvall, R. and Ron Q. Smith	ERA <a href="#">formation and</a> 1100/2200 evolution	2017-11
Anonymous – at the donor’s request	<a href="#">Arbitration</a> , Project 6977 Israel contract	2018-05
<a href="#">Benson</a> , Lowell A.	<a href="#">It’s A Wrap</a> – Minnesota’s Sesquicentennial	2009-02
<a href="#">Benson</a> , Lowell A.	<a href="#">Legacy</a> at the University of Minnesota	2010-03
<a href="#">Benson</a> , Lowell A.	<a href="#">Display Report</a> for university #2, summer ‘10	2010-07
<a href="#">Benson</a> , Lowell A.	<a href="#">Display Posters</a> Text on 4’x4’ tabletop board	2011-12
<a href="#">Benson</a> , Lowell A.	Computer <a href="#">History Review</a> – 1 <sup>st</sup> 25 years	2012-01
<a href="#">Benson</a> , Lowell A.	Slides for a 2012 <a href="#">Ft. Snelling</a> presentation and Script for the <a href="#">Ft. Snelling</a> presentation.	2012-03
<a href="#">Benson</a> , Lowell A.	<a href="#">ATLAS Evolution</a> with shadow box photos	2012-08
<a href="#">Benson</a> , Lowell A.	Sperry UNIVAC <a href="#">History Boxes</a> – technologies	2012-11
<a href="#">Benson</a> , Lowell A.	Brief <a href="#">History of Sperry</a> Corp, circa 1985	2013-01
<a href="#">Benson</a> , Lowell A.	<a href="#">Repertoire Cards</a> – 24 bits	2013-03
<a href="#">Benson</a> , Lowell A.	Letter to the <a href="#">Smithsonian</a> Museum Curator	2013-05
<a href="#">Benson</a> , Lowell A.	Ocean Surveillance <a href="#">Chronology</a> – 5 decades!	2013-08
<a href="#">Benson</a> , Lowell A.	Book Review – <a href="#">Digital State</a> by Dr. Tom Misa	2014-08
<a href="#">Benson</a> , Lowell A.	Legacy <a href="#">Preservation Partnerships</a>	2015-05
<a href="#">Benson</a> , Lowell A.	Letter <a href="#">to ‘Ole’</a> , i. e. Richard Olson Legacy Committee <a href="#">Accomplishments</a>	2015-12
<a href="#">Benson</a> , Lowell A.	<a href="#">Artifact Collecting</a> – donating to the museum	2016-04
<a href="#">Benson</a> , Lowell A.	<a href="#">Through the Ages!</a> An Eagan Open House	2017-08
<a href="#">Benson</a> , Lowell A.	Information Technology Anthology – <a href="#">site map</a>	2017-12
<a href="#">Benson</a> , Lowell A.	Ocean <a href="#">Surveillance Chronology</a> – Univac to LMCO, 50-years of excellence	2019-05
<a href="#">Benson</a> , Lowell A.	Security <a href="#">clearance process</a> memo, 1973	2019-06
<a href="#">Benson</a> , Lowell A.	Anthologies <a href="#">Tell the Story</a> , ERA - 75 yrs ago	2021-01
<a href="#">Benson</a> , Lowell A.	Technologies’ <a href="#">Experiences</a> for MHS interview	2022-06
<a href="#">Benson</a> , Lowell A.	LEGACY COMMITTEE <a href="#">ANNIVERSARY!</a>	2022-10
<a href="#">Benson</a> , Lowell A.	Status of <a href="#">Our Stories</a> , etc. <b>200<sup>th</sup> Our Story</b>	2023-01
<a href="#">Benson</a> , Lowell A.	Human Computer Interaction History – a CBI <a href="#">HCI award candidate</a> that didn’t win	2023-03
<a href="#">Benson</a> , Lowell A.	RCHS <a href="#">ERA plaque unveiled</a> – Original ERA site.	2023-07
<a href="#">Benson</a> , Lowell A.	Legacy Committee – 17 year Anniversary.	2023-10
<a href="#">Benson</a> , Lowell A.	Presentation to the U of MN’s TwinSPIN organization. <a href="#">Slides</a> and <a href="#">Text</a>	2024-02
<a href="#">Benson</a> , Lowell A.	ERA/RRU <a href="#">Electronic Machines</a> – as extracted from NSA declassified documents	2024-04
<a href="#">Benson</a> , Lowell A.	<a href="#">Compendium No. 3</a> , Club newsletter articles from January 2022 through May 2024.	2024-05
<a href="#">Benson</a> , Lowell A.	<a href="#">Oral interview transcript</a> of Lowell by MHS	2024-07

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<u>Primary Writer(s)</u>	<u>Title or Topic of Story</u>	<u>Posted</u>
Benson, Lowell A.	Recap, <a href="#">ERA History Initiative</a> – 19 years of volunteerism summarized.	2024-11
Benson, Lowell A. et al'	A presentation at the Minnesota Historical Society's WWII round table – <a href="https://vipclubmn.org/Articles/Jan14text.pdf">https://vipclubmn.org/Articles/Jan14text.pdf</a> .	2025-01
Benson, Lowell A., et al'	<a href="#">Achievement Award</a> for the 200-nanosecond memory - 1966	2010-06
Benson, Lowell A., et al'	Realization of a Dream, <a href="#">exhibit at the Lawshe</a>	2013-10
Benson, Lowell A., et al'	<a href="#">Program and Product Management</a> , 1974	2017-03
Benson, Lowell A., et al'	<a href="#">Donations</a> to CBI from Curt Christensen, Pat Corbett, Bob Jablonski, Jim Larson, and M. Adelman	2018-06
Benson, Lowell A., et al'	International sites of note, <a href="http://vipclubmn.org/Articles/World Wide.pdf">http://vipclubmn.org/Articles/World Wide.pdf</a>	2020-11
Benson, Lowell A., et al'	UNISYS <a href="#">WEB and TIMELINES</a> , what and when.	2021-11
Benson, Lowell A., et al'	Compendium, No. 2 of <a href="#">newsletter articles</a>	2022-01
Benson, Lowell A., as requested by Duane Craps	<a href="#">Should We Tell 'Em</a> – An E-bay add 'sold' a circuit card assembly as an ARTS I 1218 computer artifact. A forensic analysis shows that the artifact circuit card came from an ARTS IA 1219 computer.	2024-12
<a href="#">Blixt</a> , R. P. 'Bob'	<a href="#">A-NEW</a> Data-Processing System, CP-754A	2010-11
Blumenthal, Mike	<a href="#">Letter</a> to Weinberger	2009-05
<a href="#">Bolton</a> , Larry D.	Vendor Surveillance <a href="#">Notebook</a>	2007-10
Bolton, Larry D.	<a href="#">Magnetic Drum</a> Artifacts, three	2009-04
Bolton, Larry D.	<a href="#">Parts Control</a> , Minuteman computers	2009-07
Bolton, Larry D.	Hardware <a href="#">Artifact Log</a> as of November '09	2011-09
Bolton, Larry D.	Semiconductor <a href="#">Technology Progression</a> at UNIVAV/Sperry/Unisys/LMCO in Minnesota	2014-09
Bolton, Larry D.	Plant 8, <a href="#">circa 1966</a> – scan of a news article	2019-04
Bolton, Larry D.	Component <a href="#">Quality and Reliability</a>	2021-08
Bolton, Larry D. and Clinton Crosby	<a href="#">Addendum</a> to Minuteman Plated Wire <a href="#">Usage</a>	2011-02
Bolton, Larry D. and Ralph Kerler	UNIVAC <a href="#">7901000-series</a> Integrated Circuits	2008-11
Bolton, Larry D., et al'	<a href="#">Nike-X System</a> Hybrid Integrated Circuits Nike-X <a href="#">electrical circuit/component</a> diagrams	2019-01
Bolton, Larry D., Clinton Crosby; and James 'Jim' Howe.	<a href="#">Plated Wire</a> Memory Usage on the UNIVAC Minuteman Weapon System Computer	2008-04
<a href="#">Bower</a> , Ed	<a href="#">Sperry Utah</a> , Sergeant Missile Program	2020-01
Brown, Curt, et al'	At 99, <a href="#">Don Weidenbach</a> looks back	2021-03
<a href="#">Burrell</a> , Warren	<a href="#">Recollections</a> , Pre-Athena, i. e. Transtec, etc.	2011-03
Burrell, Warren and George Champine	<a href="#">ERA 1102 Computer</a> at Arnold Engineering Development Center, 1952 - 1966	2010-05

<u>Primary Writer(s)</u>	<u>Title or Topic of Story</u>	<u>Posted</u>
Carlson, Dan; Bob Engel, Kristen Maloney, Tom Montgomery, and John Westergren	<a href="#">Plant 8 Closure</a> , end of an IT epoch	2013-04
Carter, James – via Keith Myhre	<a href="#">Starring the Computer</a> – a website dedicated to computers in film and TV, some are ours.	2020-02
<a href="#">Champine</a> , George – PhD	UNIVAC <a href="#">Computers</a> I Have Known	2012-10
Champine, George - PhD	The <a href="#">First Computer Company</a> found in the Hagley Museum archives.	2024-01
Charlton, Art, et al'	<a href="#">Photo Club History</a> , donated to the museum	2017-05
Christensen, Curt	<a href="#">Another Computer</a> Was Born	2008-07
Christensen, Curt	<a href="#">ENIAC</a> Beginning Summary	2011-06
Coombs, J.R	<a href="#">Drum Prototype Design</a> , scan of a 1947 National Electronics Conference reprint.	2010-04
Cray, S. R. and Kisch, R. N.	Report, <a href="#">Progress of CAD</a> circa 1954	2009-10
Crowe, Forest W. via Andy Simon	Apollo 11 Mission <a href="#">Congratulations Letter</a>	2018-02
Dakota County Historical Society via a MN grant	Images of <a href="#">16 history posters</a> displayed at the Lawshe Memorial Museum in S. St. Paul.	2024-10
<a href="#">Devlaminck</a> , Ghislain A.	<a href="#">VIPS Adventure</a> – fixing a problem in the field	2020-04
Devlaminck, Ghislain A.	Black Briefcase <a href="#">delivered classified items</a>	2022-02
Devlaminck, Ghislain A., et al'	Plant 2, <a href="#">Glider History</a>	2014-03
Dexter, Patty re' Tom Weyrick	Apollo 11 <a href="#">mission work</a> interview	2019-08
Dickson, Paul – et al'	Plated Wire <a href="#">Dialogues</a>	2020-03
Dragseth, Kevin – TPT Producer	About <a href="#">Solid State</a> : Minnesota's High-tech History – documentary summary and links	2019-10
Durand, David – et al'	USAF <a href="#">mobile system</a> developed at RADC	2016-11
Erdrich, Richard 'Dick'	A 47-year career, part 1, <a href="#">30-bit experiences</a> .	2025-02
Erdrich, Richard 'Dick'	A 47-year career, part 2, <a href="#">16-bit experiences</a> .	2025-03
Erdrich, Richard 'Dick'	A 47-year career, part 3, <a href="#">advanced machine experiences</a> .	2025-04
Erdrich, Richard 'Dick'	A 47-year career, part 4, Recognition letters with more project experiences.	2025-06
Erickson, Robert A. 'Bob'	<a href="#">Engineering Organization</a> , UNIVAC Feb. 1977	2015-08
Ernst, Steve	Precision Agriculture <a href="#">Business Initiative</a>	2020-05
FAA/DOT via Lowell Benson	<a href="#">DOT paper #092650</a> has been shortened from 43 to 13 pages	2024-06
Fadden, C. via Les Nelson	<a href="#">NEXRAD</a> , more than meets the eye	2018-01
Fox, Andrew	<a href="#">ERA to Lockheed Martin</a> : MN computer Industry	2014-11
Ganz, Bill via Ron Irwin	<a href="#">MATCALs</a> – Technical Description re-print	2011-05
Goldbacher, Harry	Frank Lapinski <a href="#">was my mentor</a>	2015-04
Goldbacher, Harry	UNIVAC <a href="#">Plated Wire Memories</a> – Blue Bell.	2015-04
Graber, Ken; Larry Bolton; and Jeff Parker	<a href="#">SNERT</a> Chip Development	2008-09
Gray, George	Sperry <a href="#">Military Computers</a>	2007-05

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Gray, George	NSA Used <a href="#">UNIVAC Computers</a>	2015-03
Gray, George and Ron Q. Smith	Sperry Rand's <a href="#">Third Generation Computers</a> 1964–1980	2022-11
Greenia, Mark	<a href="#">Burroughs</a> , Legacy Corporation on YouTube	2018-04
Greenia, Mark	Computer History Archives <a href="#">Projects</a> (CHAP) – 20 YouTube video links w/summaries	2019-09
Greenia, Mark, et al'	Sperry UNIVAC Fastrand <a href="#">Drums on YouTube</a>	2018-03
Greenia, Mark, et al'	Early Computer Parts, <a href="#">notes and YouTube</a> link	2018-09
Gunderson, David	Univac <a href="#">EARTS career summary</a> segment including duty in Alaska	2023-04
Gunderson, David	AN/UYK-23 Field Stories, <a href="#">Quicklook II</a> system.	2023-05
<a href="#">Hambleton</a> , Glen	World-Wide <a href="#">Career</a>	2008-01
Hambleton, Glen	<a href="#">ZKSD Proposed</a> , ATC for West Germany	2023-06
Heckert, Quint	<a href="#">Booklet</a> , VIP Club's 30-Year Anniversary	2010-12
Heryla, Robbin – Unisys HR Dept.	<a href="#">Membership Recruiting</a> – VIP Club, 1988	2015-07
<a href="#">Hoffman</a> , Kevin	<a href="#">Assignment</a> in Mississippi	2020-09
Hunter, Ned; Tom Knops - et al'	First <a href="#">Flying Programmer</a> , Oscar Lundbeck	2013-09
Inda, Jim and Mike Wold	<a href="#">B-2 STEALTH BOMBER STORY</a>	2015-01
<a href="#">Irwin</a> , Ron	MATCALs – <a href="#">A 30-Year Life</a>	2015-06
<a href="#">Jansen</a> , Bernie	<a href="#">Legacy Preservation Sites</a> – a 2012 Unihogs luncheon presentation.	2012-12
Johnson, Carl	Carl Johnson <a href="#">Collection at CBI</a>	2017-10
Johnson, Carl	<a href="#">Micro-1100 Story</a> – Chip Set Development	2019-11
Johnson, Don via Larry Bolton	Semiconductor <a href="#">Testing at UNIVAC</a> Semiconductor <a href="#">Test Record</a> , 1957-1962 P/N <a href="#">4908000</a> and P/N <a href="#">4907828</a> specifications	2020-07
Johnson, Glenn and Dave Saxerud	Our <a href="#">Winnipeg Story</a>	2010-01
Keremedjiev, George; Anders Carlsson, and Duane Craps	<a href="#">Eighteen Bit</a> Computers – from three non-Minnesotan Legacy Anthology browsers	2015-09
Ketchum, James via Warren Burrell	When Computers <a href="#">came to Minnesota</a>	2011-07
Klobuchar, Jim via Larry Bolton	<a href="#">Creation of the 1824</a> , scan of Minneapolis Star article from Nov. 5, 1965.	2018-11
Knight, Michael	<a href="#">Reservation System</a> , BEA Design Ahead of its Time?	2009-01
<a href="#">Koltes</a> , Steve	Employed 60-Years, <a href="#">James Bacon</a>	2015-11
Koltes, Steve, et al'	ARTS II Display <a href="#">Emails</a>	2020-08
<a href="#">Lantto</a> , Ernie, et al'	When Did it Happen? <a href="#">Computer type dates</a> .	2021-10
Larson, LeRoy	<a href="#">Quicksilver</a> , a Shadowbox Story	2017-06
LaViola, Joe – <b>UBBRG President</b>	<a href="#">Letter</a> to Unisys Blue Bell Retirees Group	2016-10
Leichtweis, Capt. Donald USN ret.	Nomination, <a href="#">Name a Ship</a> the Donald Ream	2014-12
Lenfestey, James P.	<a href="#">Gaggle of Geeks</a> – a news article	2008-03
Lindley, John via Lowell Benson	'Born of a Wartime Necessity"; <a href="#">NAC became ERA</a> – gliders to computers!	2024-08
Lins, Ray vis son Mike Lins	Open House at <a href="#">Sperry Univac</a> - 1974	2018-07

<u>Primary Writer(s)</u>	<u>Title or Topic of Story</u>	<u>Posted</u>
Loran, Michael Cort	A 40-year career with Unisys that started in Denmark – <a href="#">Operating Systems</a> - 1100/2200	2024-09
<a href="#">Lundgren</a> , Richard ‘Dick’	European <a href="#">Defense Business</a>	2007-12
Lundgren, Richard ‘Dick’	Charles Babbage Institute – <a href="#">Our 1<sup>st</sup> Visit</a>	2014-10
Lundgren, Richard ‘Dick’, et al’	Compendium, IT Legacy <a href="#">Newsletter Articles</a>	2016-03
<a href="#">Mager</a> , Don	UNIVAC <a href="#">Digital Trainer</a> – UDT-6	2019-03
<b>Mager, Don</b> - #101, <i>The first of Our Stories</i>	<a href="#">Apollo Computers</a> – the early deliveries	<b>2007-04</b>
<a href="#">McCarthy</a> , Gene; Mike Bukovich, and Bob Elfering	<a href="#">Contract Wins</a> ; CPF, UYK-43, and UYK-44	2007-07
Metzger, Jack, et al’	<a href="#">Circuit Card(s) History</a> – germanium to silicon	2016-12
<a href="#">Miller</a> , John	<a href="#">Turtle Mountain</a> Corporation spinoff NDSU <a href="#">newsletter article</a> scan re’ Miller	2021-12
Misa, Dr. Thomas – 2 <sup>nd</sup> holder of the <b>ERA Land Grant Chair</b> for the History of Technology at the U of MN.	Minnesota’s <a href="#">Hidden History</a> in Computers	2010-12
Mitchel, Herbert – auto-biography excerpts from George Gray via Ron Q. Smith	UNIVAC in Philadelphia, <a href="#">Volume I</a> UNIVAC Marketing, <a href="#">Volume II</a>	2014-01
Monson, Bengt ‘Ben’	Plant 2, <a href="#">A New Tenant</a>	2014-02
Monson, Robert via Keith Myhre	Valiant & Intrepid <a href="#">Workstation History</a>	2022-03
Montgomery, Tom, et al’	<a href="#">Legacy Epoch</a> , Air Traffic Control	2012-07
Mullaney, Frank C.	December 12, 1950 – <a href="#">distribution letter</a> and Technical Memorandum No. 15 reprint	2011-01
Mullaney, Frank C.	ERA 1101 <a href="#">Computer Design</a> Features - scan	2017-02
<a href="#">Myhre</a> , Keith	Cataloging <a href="#">Legacy Artifacts</a> at the Lawshe Memorial Museum.	2020-10
Myhre, Keith	Artifacts on Display, <a href="#">16 Legacy Story Boards</a>	2021-05
Myhre, Keith	Valiant <a href="#">Workstation Resurrection</a>	2022-04
Myhre, Keith	<a href="#">Oral Interview</a> of Keith Myhre by MHS	2023-02
Myhre, Keith	Iskos Visit	2025-06
Myhre, Keith, et al’	40-year <a href="#">ERA Plaque</a> – Where did it go?	2022-08
<a href="#">Nelson</a> , Ed, et al’	<a href="#">Fred Hargesheimer</a> Story	2007-09
<a href="#">Nelson</a> , Les	<a href="#">Programmable Signal Processor</a> (PSP) Development	2022-09
Nelson, Les and Lowell Benson	<a href="#">ASW History</a> , 50+ years	2012-09
Nelson, W. ‘Curt’	ERA <a href="#">1103 Announcement</a> – a 1953 news scan	2017-07
Nelson, W. ‘Curt’	<a href="#">BOMARC</a> , the ERA 1104 development	2017-09
<a href="#">Nelson</a> , W. ‘Curt’ and Lowell Benson	<a href="#">ASW-mod 1 Avionics</a> System, 1963 Aviation Week reprint plus our background info.	2010-10
Nemanich, John	Networking <a href="#">History at Unisys</a>	2007-08
Neukom, Hans, et al’	<a href="#">UNIVAC 418s</a> , triple use application	2017-04
<a href="#">Neuman</a> , Don	Air Force <a href="#">Satellite Control Network</a> - reprint	2013-12

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<u>Primary Writer(s)</u>	<u>Title or Topic of Story</u>	<u>Posted</u>
Nichols, Jack via Les Nelson	<a href="#">1971 Press Release</a> ERA's 25 <sup>th</sup> Anniversary	2023-08
Norris, William C.	<a href="#">World War II Experiences</a> – a paper scan	2016-01
Palzer, Norm	<a href="#">Drum Memory</a> archived at MHS	2009-06
<a href="#">Petschauer</a> , Richard J. 'Dick'	<a href="#">Carbon Heat Trapping</a> : Merely a Bit Player in Global Warming	2008-02
Petschauer, Richard J. 'Dick'	History and Evolution of <a href="#">1100/2200 Mainframe</a> Technology	2014-07
Pickering, Gerry	<a href="#">Creativity-Success-Obscurity</a> , what happened?	2012-04
Pogorzelec, Ed	<a href="#">Winnipeg Operations</a> , Tribute 1977-2000	2021-06
Pogorzelec, Ed	Winnipeg Operations <a href="#">People and plants</a>	2021-07
Pogorzelec, Ed, et al'	Canadian <a href="#">Patrol Frigates</a> upgraded	2017-01
<a href="#">Rapinac</a> , James 'Rapp'	Army <a href="#">Experiences</a> before Sperry Univac	2016-05
Rego, CWQ4 John P.	<a href="#">Deployment</a> to Somalia – MAATCALs in 1993	2011-04
<a href="#">Reiter</a> , Allan	UNIVAC I <a href="#">Computer System</a> , Technical UNIVAC I <a href="#">System Experiences</a> , People	2012-06
Rubin, Richard via Gish Devlaminck	<a href="#">Little Instrument</a> in Your Pocket	2021-02
<a href="#">Sandusky</a> , Vern	Johnston Island Hurricane <a href="#">damage report</a> Johnston Island <a href="#">repairs report</a>	2009-12
<a href="#">Sater</a> , Jack	<a href="#">Air Traffic Control</a> – From NTDS to ARTS	2008-06
Schlueter, Lou	<a href="#">MAPPER</a> Systems History Presentation	2013-06
Schlueter, Lou	<a href="#">MAPPER</a> , The greatest 'marketing' error	2023-11
Shelander, David	<a href="#">AN/UYK-43 Computer</a> , a synopsis	2012-05
Sheldon, Lee	<a href="#">ILAAS Project</a> – the type 1818 development	2025-05
<a href="#">Shoquist</a> , Marc C.	<a href="#">Serial Input/Output</a> papers, two	2008-12
Shoquist, Marc C.	<a href="#">Interview transcription</a> via John Westergren	2016-05
Sloan, Judy	<a href="#">Joint Strike Fighter</a> Electronics	2018-08
Smith, Ron Q.	Unisys <a href="#">history sequence</a> – slide set	2014-04
Smith, Ron Q.	Unisys and the <a href="#">Growth of Computing</a>	2016-02
Smith, Ron Q.	Growth of <a href="#">Computing at Unisys</a>	2020-06
Snyder, Harlan via Keith Myhre	<a href="#">ATLAS &amp; Early days</a> of computers.	2023-12
Snyder, Samuel S. – release June '09	<a href="#">NSA History</a> , General-Purpose Electronic Digital Computers – reprint of 1964 paper	2010-08
Society, IT History via LABenson	IT History Reference ( <a href="http://www.ithistory.org">www.ithistory.org</a> ) <a href="#">Honor Roll</a> . ERA to Unisys people therein	2019-12
Solberg, Arlyn	<a href="#">TRANSIT</a> , The Navy's 1 <sup>st</sup> GPS development	2012-02
Solberg, Arlyn and Jacques Lignieres	London <a href="#">Development Center</a> , history	2013-11
Solomonson, Craig	UNIVAC 8008 Micro – <a href="#">1972 8-bit computer</a>	2015-02
Stockman, Chuck	S-3A <a href="#">aircraft computer</a> history	2018-10
Stone, Noel	<a href="#">Engineering Organization</a> , UNIVAC July 1961	2015-10
<a href="#">Suckstorff</a> , Dale	<a href="#">TCRS</a> , Trident Carry Onboard Reduction System	2023-09
<a href="#">Svendsen</a> , B. N. 'Mike'	<a href="#">Semiconductors</a> at UNIVAC for CBI	2013-07
Svendsen, B. N. 'Mike'	<a href="#">ERA to Unisys</a> Technologies – shadow boxes	2014-05

<u>Primary Writer(s)</u>	<u>Title or Topic of Story</u>	<u>Posted</u>
Svensden, B. N. 'Mike'	<a href="#">UNIVAC to Unisys</a> Technologies – shadow boxes	2014-06
<a href="#">Taipale</a> , Harvey	What is all this <a href="#">LEGACY</a> stuff about anyway?	2007-11
Taipale, Harvey	Winning of <a href="#">CNCE</a> – Air Force comm system	2021-09
Taipale, Harvey, et al'	<a href="#">Snapshots of Times</a> – President's Messages	2022-07
tbd		2025-07
tbd		2025-08
tbd		2025-09
tbd		2025-10
tbd		2025-11
tbd		2025-12
Thomas, Todd J.	CP-823/U <a href="#">Communications Log</a>	2010-09
U of MN, CSE	<a href="#">Digital Age</a> , a reprint of an Inventing Tomorrow publication, 75 <sup>th</sup> IT anniversary.	2011-10
Unknown from Ron Irwin	MATCALs – <a href="#">Controlling</a> the Skies in 1993	2011-04
Von Neumann, John	First Draft of a <a href="#">Report on the EDVAC</a> , 6/30/45	2022-12
Vraa, Earl M.	<a href="#">Computer Aided Design</a> - automation	2009-09
Vraa, Earl M., et al'	<a href="#">Evolution of CAD</a> , 1957 => 1980s	2009-11
Walker, John via Chuck Caldarale	<a href="#">UNIVAC Memories</a> – A <a href="#">Swiss Autodesk, Inc.</a> founder and history.	2024-03
Webb, Tom	The almost <a href="#">Silicon Valley</a> , Pioneer Press	2010-02
<a href="#">Weidenbach</a> , Don	<a href="#">Career summary</a> , 1946 to 2021	2013-02
Welshinger, Paul and Bob Keenan	<a href="#">Environmental Test</a> Laboratory Evolution	2008-08
Wendell, Douglas C. Jr.	<a href="#">Magnetic Tape</a> Plating Facility, Unisys History	2008-10
<a href="#">Westergren</a> , John	<a href="#">Video Library List</a> , 3/11/2009	2011-08
Westergren, John	<a href="#">Focus on the Future</a> , presentation to the Annual Unihogs/Unturkey's luncheon	2011-11
White, Robyn – Chief Editor	U of MN, <a href="#">40 Years</a> of Excellence	2009-03
<a href="#">Williams</a> , Gerald 'Jerry'	Three <a href="#">Satisfying Inventions</a> – book excerpt	2021-04
Willis, Ken via Ron Q. Smith	<a href="#">ENIAC is 75-yrs Old!</a> Philadelphia Inquirer scanned article	2021-02
Wilson, Jack – via Larry Bolton	<a href="#">Astronauts to the Moon</a> , scan of Minneapolis Star article from Oct. 20, 1968.	2018-12
Yost, Jeffrey - PhD	Minnesota's <a href="#">Computing History</a> – a web site	2019-02



Established in 1980

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- Chad Roberts, the 2012 Dakota County Historical Society Executive Director, who got the ball rolling to [begin the artifact](#) exhibit at the Lawshe Memorial Museum in S. St. Paul.
- Chad Roberts, the 2025 Ramsey County Historical Society President, who has agreed to preserve the [UNIVAC/Sperry/Unisys shadow boxes](#) in a future public exhibition site.
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- Matthew Carter, current Executive Director of the Dakota County Historical Society who has facilitated Minnesota Legacy grant applications for materials and supplies to help document and display the artifacts donated to the [Lawshe Memorial Museum](#).
- Members Emeriti (VIP Club) Bernie Jansen and Millie Gignac who as DCHS board members in 2011 initiated the process of establishing a permanent artifact display site.

*Life is our time, space continuum of human interactions.*

**Yes, we are ‘Almost Done!’**

*LABenson*, BEE UofMN 1966

UNIVAC 1960 => Unisys 1994

VIP Club board, 2005-2019 and ½ of 2024