VIP CLUB

WEB SITE HISTORY - vipclubmn.org

By Lowell A. Benson

The plan is to update this document quarterly by removing data from the web site's home page. The purpose is to keep the size of the home page smaller, thereby reducing the loading speed for members and browsing visitors. Entries are in reverse chronological order. The margins are set for two-sided printing with left-side binding.

2009 UPDATES.

October 29 - Inserted section 7.0 into the Engineering, Software page.
October 26 - Posted a United Way announcement with downloadable form and letter. Added a [Systems, Commercial]() page as a place holder for future articles.
October 21 - Added the November article for the month here and on the documents page. Moved the Memory Processor description from the 30-bit to 32-bit Computer page and expanded it with technical inputs from Dick Erdrich. Added an Emmett Johnson organization chart to the Facilities, Manufacturing page. Updated the Facilities, U.S. page - marketing section with inputs from Lyle Franklin. Inserted photos and text about ABCCC onto the Systems, Airborne page - thanks to Larries Bolton and Debelak. Updated the Johnston Atoll information on the Facilities, International with information from Don Neuman and Vern Sandusky. Archived the September newsletter. Added a new ['Who Is It']() page to get reader help in identifying people, removed the 'Who are they' from the Home page.
October 19 - updated announcements above.
October 12 - updated announcements above.

September 16 - updated 'Jack Hill' tribute, Added October Article for the Month. Updated People, deceased page with Jack Hill data. Updated People, Oral Interviews page Introduction section with a linked list from John Westergren. Updated Facilities, United States page with info from Lyle Franklin and Stan Ulrich. Updated Facilities, International page with several names and tidbits from Lyle Franklin. Provided a link to Dr. Tom Misa's lecture series about Minnesota's Hidden History of Computing - see Links & Docs, newsletters/slides page.
September 3 - added Tribute to Jack Hill.
September 2 - Added the 'Who are they?' section to the home page. [Archived]() the July/August newsletter.

August 28 - Updated the Club History introduction and Milestone list. Changed the two legacy tabs to indicate Defense and Commercial industry foci.
August 25 - Added the September Article for the Month. Updated the JOIN US/Membership page with an updated form. Added a testimonial to section 3.11 of the Computers, 30-bit page. Added section 5 to the Computers, Other page. Updated section 2 table and moved the people Index page to be a sub-tab of the Home page. Moved the acronym list from the Index page into a section 6 of the home page. Renamed the 'Ad Hoc Groups' page to 'Lunch+ Groups.'

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August 18 - Added section 8.4 to the People, Anecdotes. Added Larye Parkins to the People, P-S page. Added section 2.6 to the Engineering, Training page including a File Computer Training class photo from the 1950s. Added comments from Jorgen Andersen and Larye Parkins to the CP-667 write up on the Computers, 36-bit page. Added the 2009 participant photo to the Field Service section of the Home, Ad Hoc page.
August 16 - Updated announcements.
August 4 - Updated announcements.

July 31 - Added Article for the Month for August. Added section 3.6 to the Computer, Other page. Added section 6 to the Engineering, Peripherals page. Added section 7 to the Engineering, Software page. Added 2.1.3 to Facilities, US page. Updated section 2.2 of the Facilities, US page. Updated section 4.6 of Computers, 16-bit page.
July 12 - updated announcements.
July 6 - corrected the corporate name table on page 10 in response to a reader's comments.

June 30 - Updated announcements.
June 24 - Updated announcements and the membership form.
June 8 - Corrected Article for the Month, May contributor.

May 27 - Corrected Article for the Month link for June, updated membership form.
May 20 - Updated announcements on this page, added the June Article for the Month.

April 30 - Updated announcements on this page, added the May Article for the Month, added a few UYK-7 tidbits from Dave Duncan to the People, C-F page, and updated the membership application form.
April 19 - Updated announcements on this page and on the Calendar/Activities page.

March 19 - Updated the announcements on this page and on the Calendar/Activities page. Added Duane Sandstrom's work history to the People, P-S page. Added the April 'Article for the Month.'
March 14 - Updated the announcements and People page.

February 25 - Updated the Links page per CHM request, updated the Site map page text, and fixed an erroneous footer link. Added a book reference to the Links/Docs, Documents page, section 4 - "A History of the Dept of Electrical & Computer Engineering 1888-2008" pages 182 to 187 discusses ERA and a few computer pioneers.
February 24th - Posted the March newsletter for downloading from the Links, Newsletter page.
February 17th - Added March 'Article for the Month', updated Calendar page, and announcements. Posted the January/February newsletter to the Links, Newsletter page.
February 10th - Added Dennis Abbott to the People, A-B page. Added an input from Wes Peters to 3.5 of the Computers, 18-bit page. Added an input from Rick Orozco to 3.1 of the Computers, 32-bit page. Added an input from Tony Mannucci to 3.7 of Computers, 24-bit page. Created section 2.3 of the Engineering, Memory page.
February 8th - Updated announcements

January 12 - Added the Article of the Month for February. Updated the Announcements on this page. Archived the last three 2008 Club newsletters on the Links, Documents page. Inserted the Volunteer Hours Survey Form below.

2008 UPDATES

December 27 - Updated the About Us and Contact Us pages with 2009 VIP Club officer information. Added CBI Minnesota Computer History lecture series 3 and 4 slide links in section 3 of the links page. Archived this Update Log through October 2008.

December 22nd - Added the 'British' Computer Conservation Society to section 2 of the Links page. Added TACS training as section 2.3 of the Engineering, Training page. Updated the announcements. Added the Unihogs/Uniturkeys deceased announcement lists to the People, Deceased page.

December 16th - Updated the Calendar/Activities page. Added the January '09 Article for the Month.

December 11th - Updated Announcements, archived updates prior to September 2008. Added the October '08 newsletter to the level 2 page - Links, Newsletter/Slides, section 2.1. Updated section 2 of the Site Map page.

December 10th - Made Training a stand alone level 2 page under level 1 engineering tab. Added ship names to Don Lovely's career summary on the People, I thru L level 2 page. Added section 6, MAPPER Users Group, to the Engineering - software level 2 page. Added section 5, Diversity, to the Level 1 People page.

December 9th - Updated the Links page, moved the level 2 Site Map page to the Home page section.

December 1st - Added Keith Davis and Allan Edwards to the level 2 People, C-F page. Updated announcements, added the Harry Wise drum snapshot and Larry Bolton's researched data to the Engineering, Memory page section 2. Added some M-460 comments to the Computers, 30-bit page.

November 15 - Revised the Links page, added a link to the latest CBI newsletter, changed color schema.

November 13th - Updated announcements, added the December Article for the Month, fixed the 'Join Us' form, separated the Site Map onto its own page under Links, Docs, etc.

October 30th - Added links to two prior newsletters in pdf format as an experiment, see section 2.1 on our Links/Docs/Index level two page. Made a couple of cosmetic changes to the site.

October 24th - Added MERSC to the Links page, Twin Cities section. Filled in the final person's name in the Motley Crew photo on the Facilities, Twin Cities' page - thanks to Tom Szenay. Added section 8 to the People, Anecdotes page. Added project start dates and first delivery dates to about two dozen computers on the 24, 30, 18, 16, and 32 bit pages, thanks to data from Ernie Lantto.

October 13th - Updated Announcements on this page, expanded section 4.1 of the Home, Ad Hoc page. Added Dr. Misa's first two lecture series slides to section 5 of the Links page. Changed the site color scheme and text font.

October 7th - Added the November Article for the Month and updated the Engineering, Coupler page with a table of Antenna Coupler types, applications, and quantities.

October 6th - Updated announcements. Added Bob Wesslund to the People, Deceased page, added 'Extra' to 'Article for the Month', just above. Revised the Join Us/Membership page's form. Added section 7 to the People, Anecdotes page. Added U1500 to section 3.1 of the Computers, 18-bit page. Added section 2.2 to the Facilities page. Added a Newsletter/Slides level 2 page under the Links/Docs/Index page.

September 29th - Updated announcements.
September 25th - Updated announcements, added October article of the Month.
September 16th - Added C.P. 'Chuck' Covington to the People, C-F page.
September 15th - Updated announcements.

August 23rd - Updated the Computers, Other and Computers, Air Force pages.
August 22nd - Inserted a new 'Name These People' photo in section 5 below. Moved the Memory Processor Checkout crew photo to the 30-bit computer page. Added Technology Forum slides of the Aug. 24th presentation at the State Fair.
August 21st - Inserted link to mini-video of State Fair booth. Added a couple of recollections from Don Arnold to the People A-B level 2 page. Added recollections of Lyle Mozak to the People, M-O page. Added section 3.3 to the level 2 page of Engineering, Field Service and Training. Revised Lyle Franklin's section 4.1.3 of the 16-bit computer page.
August 20th - Put Update Log items older than 3 months into a *.pdf file. Updated Announcements, changed site color theme and text font from Georgia to Arial. Added a couple of tidbits from Peter Patton to the P-S people page. Restructured the Links page to include the index and documents as level 2 - moving them from the Home and Legacy, LMCO respectively. Added Dan Reiman's identifications to the Home page section 5 picture.
August 3rd - Updated Legacy-LMCO, Committee sections 1.1, 1.4, 1.5, and 2.0, thanks to eagle eye Dick Lundgren. Added the September 'Article for the Month' and listed it on the Legacy, LMCO - Documents page.

July 29th - State Fair Volunteer table and announcements updated, added an identification to the section 5 photo.
July 24th - I fixed three links to off site web pages and updated Announcements - removed the 7/17 Debelak retirement notice and /24 Q-70 picnic notice. Added section 2, Tactical Air Command by Lyle Franklin to the Systems page. Added a Jim Rapinac tidbit as section 2.1.2 of the Facilities, United States page. Added section 4.3.1 to the Computer, 16-bit page.
July 23rd - Added a new photo and some names to section 5, moved the AN/UYK-44 team photo to the 16 bit computer page, http://vipclubmn.org/cp16bit.aspx. Added anecdotes page section 3.5, http://vipclubmn.org/Anecdotes.aspx. Added several EMCC items from Al Rollins of the Blue Bell retirees club, http://vipclubmn.org/remrand.aspx. Added a Lyle Franklin tidbit as section 2.1.1 of the Facilities, United States page.
July 18th - Updated Calendar page with revised 'volunteer times' table.
July 17th - Updated Announcements, added state fair volunteer notes to calendar/activities page section 3. Added photos to the 'Special Purpose Computers' section to the level 2 page Computers-Other, updated the CP-667 with some component information from Larry Bolton - see Computers-36 bit page. Added an overview of Ron Q. Smith and George Gray's new book as section 5 of Legacy, Unisys.

July 9th - MACs bloodmobile date changed from Aug. 12th to Aug 26th. Updated volunteers section of the Calendar/Activities page.
July 7th - Added Q-70 picnic announcement
July 2nd - Added Debelak retirement announcement.

June 28th - Updated announcements on this page. Added a 'Name These People?' section to this page. Added the August 'Article of the Month' link. Added 'Special Purpose Computers' section to the level 2 page Computers-Other. Updated the Site Map discussion on the Links/Site Map page, to clarify level three and four sections.
June 19th - Updated Home page announcements, Calendar/Activities information plus a few housekeeping actions.
June 6th - fixed half a dozen text problems found by Quint Heckert during his 'reference page' QC review.
June 3rd - Updated the CP-667 article on the 36-bit computers page and the Q-17 article on the 30-bit computers page. Updated the Announcements and Welcome paragraphs on this page. Added the June and July Article for the Month files.

May 10th - Added the Club 2009 dates to the Calendar/Activities page.
May 8th - Updated announcements and Calendar page with 2009 schedule.
May 1st - Continued QC cleanup of several pages.

April 23rd - Updated the Computers page by putting the defense genealogy charts into a *.pdf file for reading and reference ease.
April 22nd - Added May Article for the Month, added SNERT to Low Level Serial Input/Output. Updated CP890 write-up with information from Don Mager. Added a LMCO retirees' benefits web site to section 2 of the Links page, thanks to Harvey Taipale.
April 15th - Did some cleanup based on initial QC process feedback; thanks to Millie, Rapp, and Tom.
April 12th - Added Thailand to the Systems, International page. Finally completed the indexing of person's names appearing on the pages of this web site.
April 11th - moved commercial processor's subpage to be a level 2 tab below the computers level 1 tab. Added place holder page tabs for Sperry, Remington Rand, and RCA information before their mergers with EMCC, ERA, etc. Updated the description of the Site Map on Links page.
April 9th - Did some formatting cleanup on a couple of pages, added a Home, Mementos page to separate trivial/trinket items from models and artifacts.

March 30th - Added a Patuxant River facility snapshot, Added a couple more 'Motley Crew' names, moved Drum memory from Engineering to Engineering-Memory. Added a pulse transformer article written by Larry Bolton.
March 25th - Added the April article of the month, added a Rapinac Soapbox Derby anecdote, added milestones; 1970 - ARPAnet, 1981 Japanese P3, and finished topical article links from the people pages.
March 19th - Added Taiwanese business to the International Systems page. Added the 1224 (CP-818) information to the 24-bit computer page. Updated the Legacy Logo to reflect 1945, the year that ERA filed incorporation papers with the Minnesota Secretary of State - added PARAMAX while updating. Changed Legacy committee co-chair listing from Ole to John

Westergren - moved Ole to the retirees section. Added a Field Service Picnic description and snapshot to the Ad Hoc Group page.

March 18th - Added the 1977 beginning of CBI to the milestone list. Also added 1945, 1948, and 1980 events. Updated the spinoff page introduction with a bit of CDC information.

March 13th - Added 1957 Antenna coupler financial data from Marc Shoquist to the Coupler section. Added a couple more links from Bill Bergen. Some minor errors fixed based on Larry Bolton and Robin Bjorklund feedback. Updated announcements.

March 4th - Added a Printware article onto the Spinoffs page. Updated the component analysis item from Larry Bolton. Added four more computer history links from Bill Bergen. Added an anecdote from John Markfelder. Updated the Ad Hoc Group introduction with corrections from Warren Burrell. Completed a housekeeping pass.

February 28th - Added a cost savings section and write-up to the Patent page. Also updated my own career summary while doing some housekeeping on most pages of the site - off to Alexandria for a long weekend!

February 27th - Added a new Article of the Month (link above) and added half a dozen history papers to the ATC Systems page. Posted an updated Webpage List, now including a list of available documents and a list of images being used on this site. Added some hardware photos to the Engineering, Memory page and wrote a bit about core and film memory. Added some component photos to the Engineering, Interfaces page and wrote a bit about Low Level Serial.

February 26th - Added links to several topical *.pdf files on the Legacy, UNISYS - Processors page. Also tweaked the legibility of the Legacy Logo at the request of Ole. Added a couple of items to the Legacy, LMCO Milestones page.

February 25th - Expanded the 'Roseville Good Old Days' information and the First Friday's luncheon information on the Ad Hoc Group page. Added the CUT, 1818/ILAAS, and proposed 1219C tech. information to the 18 bit computer page.

February 22nd - Embellished the 30-bit computer page with a few photos and added some technical information to the 18-bit page. Added a couple of small items from Frank Kline and Larry Bolton at the beginning of the Engineering page.

February 20th - Did an update to the Systems, Air Traffic Control page. Sorted some of the Links for clarity, did you know that LMCO is funding a drone control project at the U?

February 19th - Inserted some snowbird snapshots and mention of a planned "UNISYS, Roseville GOOD Old Days" gathering in April on the Ad Hoc Group page.

February 18th - Added Larry Pierson's comments to John Booher's Egyptian Navy article on the Systems, International page - also added Lundgren's VIP Club newsletter articles about business in Africa and Australia to that page. Added Harry Wise's Q69B notes to the Engineering page. On the Engineering, Peripherals page I've now transferred the magnetic tape section information and added Lyle Franklin's comments to the DEAC article. Added some history comments to the 1616 information from Lyle Franklin. On the Engineering, Field Service page, I've started a training section to capture salient tidbits.

February 15th - Added a new page; Legacy, UNISYS Processors with information from Ron Q. Smith. Added a Northport Engineering tidbit onto the Legacy, LMCO Spinoffs page.

February 14th - Added a new page; Legacy, LMCO, documents and moved tables and information from the Links/Pub page - then added a site map section to the Links page. Added octal characters to the computer tabs then sequenced the sub-page tabs in chronological order of the ISA introductions.

February 12th - Added a career summary from <u>Don Blattie</u> and a contact tidbit from <u>Richard Prokop</u>, and a transcribed oral interview with <u>Fred Hargesheimer</u>.

February 11th - Added a computer genealogy chart to the <u>Legacy, UNISYS</u> page. Added a new page, <u>Legacy, LMCO-Milestones</u> to post some information from Quint. Added a note about Rollie Arndt to the <u>People-Deceased</u> page. Added a link to the Minnesota Science Museum and a U of MN Drone control article on the <u>links page</u>. Also added five more computer history links from Ron Q. Smith. Changed all sites linked from our <u>Links page</u> to open in a new browser page thus facilitating switching back to the VIP club site. Began the <u>Systems - Air Traffic Control</u> page. Finished inserting a copyright symbol and page number onto all pages while doing some housekeeping.

February 8th - Filled in more information on the <u>Artifacts</u> page, feedback about the 'mini-slide shows' is welcome. Added a newsletter section on the <u>Home-About Us</u> page. I added an <u>Ad Hoc</u> page as a subsection of Home to describe activities by former employees which are endorsed by the Board but not planned nor scheduled. Tweaked the Legacy logo again to include VIP Club Burroughs members - I think that this is good enough until whenever.

February 5th - Transferred Hardware-Patents information to the <u>Engineering-Patents</u> page. Updated Don Lovely and Mike Kokesh's Carrier ride story on the <u>Systems-Naval</u> page. Transferred corporation spin-offs to <u>Legacy-LMCO, Spinoffs</u>. Started transfer of artifacts snapshots to <u>Legacy-LMCO, Artifacts</u>. Changed to a more descriptive Legacy logo, shown here on the left - Thanks to several for feedback which has enable me to arrive at this icon for Legacy page headers.

February 2nd - Enabled a search box at the top left of each page. Began coding links to *.pdf files so that they will open in a separate window.

February 1st - Added (c) symbol into the footer. Added site page numbers to update lines at the bottom of each page.

January 31st - Created a <u>Facilities-Manufacturing</u> page, initially containing the Procurement article by Mike Svendsen and the Product Assurance article by Dick Roessler. Transferred information from previous site to <u>Systems-International</u> and <u>People-Anecdotes</u>. Transferred old site information to <u>Systems-Marines</u>, <u>Systems-ASOC</u>, <u>Systems-Missiles</u>, and <u>Systems-Postal</u>. Added Our Legacy, Sesquicentennial, and CBI contact persons to the <u>Contact</u> page.

January 30th - Updated the <u>Engineering-Couplers</u>, <u>Engineering-Peripherals</u>, <u>Systems-Naval</u>, <u>Engineering-Memory</u>, <u>Engineering-Field Service</u>, and <u>Facilities-Twin Cities</u> pages with information from previous site and a few more photos. Moved <u>Anecdotes</u> to the People section.

January 29th - Added a Peripherals page to Engineering and updated the <u>Engineering-Interfaces</u> page by transferring information from prior site.

January 24th - Added career information for <u>Kevin R. Giles</u>. Added first oral interview transcript, <u>Jim Rapinac</u>. Started to fill in the Legacy - <u>UNISYS page</u> with information from Ron Q. Smith. Added a non-legacy article of the month: <u>Carbon Heat Trapping</u>: Merely a Bit Player in Global Warming by Dick Petschauer.

January 22nd - Created, then transferred information to Engineering - <u>Interfaces</u> (this came from the prior Hardware-Interfaces page and includes fiber optics and SHINPADS descriptions.) Created then transferred information to Engineering - <u>Software</u>. Completed transfer of information to Facilities and its third sub-page, <u>International</u> - we are looking for authors to complete these three pages.

January 18th - Created and transferred information to Facilities - <u>Twin Cities</u> and Facilities - <u>United States</u> pages.

January 17th - Created a new <u>Facilities page</u> between LMCO and UNISYS Legacy tabs. This page now contains the corporate name table and the 1987 listing of all Twin Cities facilities plus a 1950 photo of the ERA plant.

January 16th - Added career information for <u>Glen Hambleton</u>, <u>Jay Gildemeister</u>, and <u>O. Wynn Roberts</u>. Added disclaimer at bottom of this page.

January 11th - Updated the Links/Pubs page with a couple more computer history site links from Dick Lundgren and an article found by Don Weidenbach while he used Google to search for George Hardenbergh's name.

2007 UPDATES

December 18th - Completed transfer of computer information from old Legacy site; including addition of <u>36-bit page</u>, <u>Air Force page</u>, <u>32-bit page</u>, and <u>Other</u> page. Added career summary for <u>John (Jack) Blackmer</u>. Added career tidbit from <u>John Hartmann</u>. Added four <u>web sites of interest</u> links from Bill Bergen.

December 17th - Added two persons on the People, <u>Deceased</u> page. Updated the <u>Home, About</u> page with a snapshot and election section. Added a new page - People, <u>Oral Interviews</u> in anticipation of available transcriptions early next year. Transferred the <u>18-bit computer</u> and <u>16-bit computer</u> information from old site.

December 13th - Finished the <u>Computers, 24-bit</u> page, combining the old site's Early and 24-bit pages.

December 12th - Added career information for <u>Woody Spitzmueller</u>. Added new Article for the Month, <u>Business in Europe</u> by Dick Lundgren. Finished the <u>Computers, 30-bit</u> page. Completed the <u>Engineering</u> 'base' page which was titled Hardware in the old site. Updated the <u>Contact Us</u> page.

November 28 - Added career information for <u>Bill Kenny</u>, <u>Joel Tofteland</u>, and <u>Dr. Steve Yahr</u>. Began Article for the Month section on this page. Finished transferring career summary information from old site 'Contributors' to this site, <u>People section</u> and sub-pages.

November 11th - Began transfer of **Legacy** information from old site to here.

October 3rd - The VIP Club Board of Directors accepted the New Club and merged Legacy site concept; Joe Schwarz agreed to be the backup webmaster for Lowell Benson.

September 15th 2007 - Lowell registered this site name for the VIP Club via Microsoft's Office Live system.

This is the beginning of the reverse chronological order of this document, albeit the end of the PC screen and printing of this document