



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 our members and browsing visitors. Entries hereunder are in reverse chronological order. The margins are set for two-sided printing with left-side binding. *Please note that links in the original html text may not work from this doc or pdf text.*

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2016 UPDATES

December 26: A site reconstruction is now underway, changing from a table-driven structure via a ‘div’ html controlled layout with a new Cascading Style Sheet. This will also effect some separation of the Club information tabs and the Legacy tabs.

December 10: Updated section 3 above and corrected an error on our membership renewal form.

November 21: Updated section 3 above and added to section 5 of the Contacts & Links page.

Updated section 3 of the Club History, page 4.

November 11: Archived the October newsletter as the December news is now in the print shop.

Continued the transition from 'IT Legacy' wording to 'Legacy' wording because our systems and innovations are more than Information Technology. Added the 2016 list to the deceased, chapter 39.

November 4: Revised the membership application/renewal form on page 5. Added an introduction to section 3 of chapter 27, They Flew. Archived April through August of this section. Removed chapter/page numbers from primary tabs. Renamed the main Facilities tab as Places. Began removing IT from section titles as our Legacy includes more than just Information Technology.

October 17: Archived the September newsletter, see section 3 of page 7.

October 14: Rewrote section 6.4 of Chapter 19, Exhibits to be Vintage Computer Federation. Added a Cyber-Security link to section 5 of page 80. Updated section 3 above for the November program

with the UNIHOGS/UNITURKEYS annual luncheon. Updated the Christmas dinner reservation form on site page # 84. Updated the membership form on page 5 to include a check spot for our 90+ Life members.

September 18: Archived the July/August newsletter. Posted the Unified Golf League banquet notice on the Recreation page 9.

September 10: Changed venue for the 2nd Wednesday Ladies' lunch group. Posted the 2017 announcement link for the Unihogs/Uniturkeys in section 4.1 of the Home, Social Groups tab-page.

September 8: Added section 4 to chapter 69, <http://vipclubmn.org/syscomm1.html#Reservations>.

Posted the Unisys Blue Bell Retirees Group September 2016 newsletter link on the top right of <http://vipclubmn.org/Newsletters.html>. Finished changing site tab numbering to be chapter like versus page numbers. Added section 6.11 below.

August 24: Archived the June 2016 newsletter. Added section 3, Precision Agriculture to chapter 69; Systems, Commercial. Continued tab title re-numbering as chapters versus page numbers. Archived the February-April entries of this section.

July 16: began revision of tab titles to resemble book chapters, i.e. 10. IT Legacy is chapter 10 of this web site.

July 11: Began to remove page numbers from selection tabs. Archived the April newsletter and posted the BBRG June newsletter link on the Newsletter page.

June 23: Updated section 2 of page 4. Updated section 3 above.

May 15: Added a Steve Lindfors' 2016 book to section 3 of page 15, [documents](#). Updated section 2 of page 8, [Periodic groups](#). Added a River Cruise registration form as page 95. Updated section 3 above. Archived the January & February 2016 entries from this section. Added three more research web site links to page 80, section 6.1 and then moved section 6.9 to and entry in section 5. Added a new section 6.9 with a site from Dave Shelander. Updated page 0 with a link to page 95 and an asterisk indication as to which pages have been translated to foreign languages.

May 1: Updated page 68, Systems ASOC with a note in the introduction that the page is now available in the Latvian language.

April 21: Archived the March newsletter as we are distributing the May news to our membership.

Updated section 3 above to show details of the Syttende Mai luncheon on May 13. De-activated the Volunteer Survey form, page 91.

April 8: Section 3 above, the buffet lunch will be hot food versus previous cold sandwiches. Posted the May Article for the Month. Revised this pages top right navigation section with buttons.

Added section 2.3 to page 38, Oral Interviews and updated section 2.1 thereon.

April 1: Updated the picnic registration form, page 93. Did some minor editing of the Introduction on this page, i.e. added a highlighted JOIN US line and link to the form.

March 24: Added section 6.9 to page 80. Added a Jacob Philips submittal to section 5 of page 80.

March 20: Added a 'Get Directions' box to section 3 above. Added section 2.2 to page 12. Last year Keith Myhre scanned the repertoire cards we'd been gathering before they were donated to the Charles Babbage Institute. These are all now linked from the applicable computer, software, peripheral, engineering, and IT Legacy pages.

March 18: Updated section 6.1 of page 19. Added the Google 'Get Directions' to section 3 above.

March 15: Updated section 3 above. Posted the April Article for the month with links from page 15 and section 4 above. Archived the January/February newsletter on page 15.

March 4: Updated section 1 above. Updated Club pages 2 and 5 with 2016 information. Archived the December 2015 newsletter, see section 3 of page 7.

- February 16: Updated section 3 above. Activated the Volunteer Survey form, Page 91, for accepting inputs relative to 2015 volunteer hours. Updated Periodic Gatherings, Page 8 with new 1st Tuesday meeting location.
- February 6: Posted the March Article for the month, section 4 above and section 2 of the Legacy, Documents page 15. Posted section 11 of People, Anecdotes page - thanks to Ron S.
- January 25: Updated page 15, section 4 with links to two magazine articles. Restructured section 3 of page 48 in order to add a section 3.4 for MAPPER code card links. Added NTDS software info links to section 8 of page 48, Engineering-software.
- January 20: Updated pages 15, 47, 51 through 59, and page 74 with links to Bit Savers' on-line publications and links to Code Card pdf files.
- January 14: Archived the November 2015 newsletter on page 7. Posted the February 'Article for the Month.' Continued some header cleanup. Updated the page 9 senior citizen center site links.
- January 6: Updated the Legacy, Documents page 15 section 3 with a link to an electronic copy of the [ERA 40th Anniversary](#) booklet. Continued format updates to third level titles.
- January 4, 2016:** Posted the Club's 2016 calendar on page 3. Added a 'Google' site search box in the Click Scroll section of the Contacts & Links page, in this page, and in the Introduction Section of the people index page. Archived the September and October entries of this section. Updated page 19 with links to posters developed at the Lawshe Memorial Museum. Updated section 3.2 of page 58. Added photos from Craig Neudahl to section 6.2 of page 19. Updated the 2016 Club contacts on page 80.

2015 UPDATES

- December 24: Added section 5.1 to page 36, updated sections 1 & 3 of page 30, and then updated page 28 accordingly. Updated the Club History Page with links to certificates awarded to individuals.
- December 14: Updated sections 2 and 3 of Club History, page 4. Posted the January article for the Month and updated this page's Introduction with a link to our 2016 information flyer. Updated the Next Event Summary on this page.
- November 21: Updated the next event section 3 above. Also, fixed a couple of typos on two ENIAC discussion pages.
- November 10: Did some error corrections and archived the October 2015 newsletter, see [page 7 section 3](#).
- October 28: Posted December Article for the month and the 2015 [obit list on page 39](#).
- October 20: Added sections 3.6, 4, and 5 to page 53, 18-bit computers. Added three new ENIAC history links to section 6.1 of page 80, [Contacts and Links](#). Archived the September newsletter in section 3 of Newsletters, page 7. Revised the Newsletters page introduction. Changed page 80 URL from Links.html to Contacts-Links.html and updated tabs accordingly.
- October 14: Corrected the spelling of Patuxent River on 9 pages. Corrected the nomenclature of aircraft mentioned on this site by inserting a dash, i.e. P-3C vice P3C. Added a Christmas Dinner Registration information as [page 94](#), a sub-tab of the [Contacts & Links page](#). Updated the next event, section 3 of this page. Posted the November Article for the month above and on page 15; the IT Legacy, Documents tab. Posted the Christmas Dinner reservation form as page 94, a sub-tab of the [Contacts & Links page](#).
- September 30: Updated the UNIHOGs/UNITURKEYs flyer linked from section 2 above and from section 4.1 or page 8.
- September 17: Posted the October 'Article for the Month' links in section 4 above and on page 15. Posted the next event summary in section 3 above. Redefined section 5 of page 80 as IT Technology

Education and shuffled links accordingly. Removed old venues from section 6 below. Added section 4.1.5 to page 54, 16-bit Computers.

August 17: Added Rowayton, Connecticut link to section 6.3 of the Contacts and Links page. Posted the September 'Article for the Month' in section 4 of this page and in section 3 of page 15. Archived the June newsletter.

July 15: Updated the next event section of this page. Updated the IT Legacy, pg 10 Introduction. Updated section 4 of the Systems, Airborne page. Update the People, A-B with section 2.4; Alden Allen's career summary. Added section 6.12 to this page. Archived February thru April, 2015 of this Site Update Log.

July 4: Added ICU to section 4.3 of the Computer, 16-bit page.

June 28: Archived the May newsletter link and updated the Blue Bell retirees' newsletter issue link on that page.

June 10: Updated section 2 of the documents page and section 4 of this page with July and August article links. Also updated the next event information and archived the April newsletter. .

May 28: Updated section 3, Next Event Summary of this page and updated the Calendar page.

May 12: Added section 6.4 to the Legacy, Exhibits page 19. Added a link to the CBI published variation of the May 'Article for the Month'.

May 1: Posted the June 'Article for the Month' in section 4 above and on the IT Legacy, Documents page 15. In section 3 of page 15, posted a link to a 1976 AN/UYK-20 [thesis paper by Joyce](#).

April 20: Added section 6.10 to Pg 80, Contacts and Links. Made the Picnic Registration Form and the Volunteer Survey page a sub tab of the Contacts and Links page. Corrected the 1532 printer unit type on page 47. Posted the [Mississippi River Cruise](#) flyer. Archived the [March](#) newsletter.

April 15: Updated section 6 of Exhibits, page 19. Update the calendar, page 3 and posted the May 'Article for the Month'. Updated the next event, section 3 of this page. Also did some general housekeeping of various pages.

March 21: Added an Iron Ore weighing tidbit from Larry Bolton into section 5 on page 41. Added info about Harvey Taipale into section 2 of page 37. Added folder definitions in section 3.3 of Site Design & Map, Pg 0. Continued house cleaning.

March 18: Posted Larry Debelak's career summary as section 3.6 of page 32. Archived the Jan/Feb, 2015 newsletter on page 7, section 3. Ran a software link check then either repaired or removed all broken links.

March 17: Updated page 0 and did some associated housekeeping of the Club and Club sub-tab pages. Updated section 3.3 of page 57 with a link to project engineer Jim Inda's story.

March 13: Posted the April 'Article for the Month'. Updated the Next Event section on this page. Updated sections 2 and 3 of page 19, IT Legacy, [Exhibits](#). Added the Mark DiVecchio site link to section 5 of page 80.

March 5: Combined the Links and Contacts pages. Updated the footer quick link string accordingly. Added the UNIVAC Products - St. Paul, 1947-1959 pdf file link to section 3 of page 15. Added Ginger Carter's comments to page 16, section 2. Updated the Calendar page with Syttende Mai substituted for a Club May program.

February 21: Added a new section 7.0 to Systems, Aerospace page 66. Added Denny English's comments to section 2 of page 16. Added a 1990 1100/2200 series document link into section 3 of Documents, Pg 15. Added section 2.4 to Systems, Airborne Page 62. Began a transition of navigation tab names: 1) Home, Pg 1 to Club, Pg 1 2) Board, Pg 2 to About Us, Pg 2, and Facilities, Pg 70 to Facilities, Pg70 and started replacing the footer navigation links with our thematic sentence links.

February 18: Updated section 1 of People pages 30-37. Added directions to Joseph's as section 6.10 below and corrected section 6.4. Archived the December newsletter.

February 16: Updated section 2 of <http://vipclubmn.org/PeopleIndx.html>, this table lists, page by page, people who contributed to sections within that page. A few other pages received typo clean ups as I was reviewing during the table update. Also updated the volunteer page to reflect a luncheon versus a breakfast meeting.

February 11: Posted the March Article for the Month in section 4 of this page and on the IT Legacy, documents page. Updated the Next event section of this page, the Calendar page, and archived the November 2014 newsletter, see the Newsletter page. Transferred the August through November update log (this section) to the chronology document.

January 31, 2015: Posted the February Article for the Month in section 4 of this page and on the IT Legacy, documents page.

2014 UPDATES

December 29: Updated the URL for the Unisys Blue Bell Retirement Group from .com to .org on this page and on the links page. Activated the 2014 Volunteer Hours [survey form](#) page.

December 15: Posted the January 'Article for the Month' on this page and on the IT Legacy, documents page; updated this page's introduction with two links to BLUE BELL associated pages; posted the summary of 2014 deceased persons as reported in the 2014 newsletters on the People, Deceased page; updated the next event section of this page; Updated the contact us page with 2015 officer information; updated section 3.4 of the People, A-B page and the pdf file linked therein; updated the 2015 dates on the calendar page; and posted the 2015 Board on the Home, About page.

December 8: Updated the Calendar page. Added directions to the Eagan LMCO facility to section 6 below.

November 26: Updated the Next event section of this page and archived the October newsletter, see the Newsletter page. Transferred the May through July update log to the chronology document.

November 8: Posted the December 'Article for the Month'. Added the planned club event schedule to the Calendar page.

October 20: Archived the September newsletter, updated section 3.4 of page 31, continued some update work, updated the next event section of this page, and posted the Christmas Dinner reservation form on the Contact Us page.

September 20: Archived the July/August newsletter.

September 18: Posted the October and November 'Articles for the Month' in section 4 above and on the [documents](#) page. Also updated the Next Event Summary in section 3 above.

September 5: Updated the Periodic Groups, Page 8.

August 26: Updated the next event section of this page.

August 6 - Added section 3.5 to page 27. Posted the August and September 'Article for the Month'. Added the American Computer Museum to section 4 of the links page. Revised section 2 with the addition of Area and Zip code 'find' links.

July 21 - Added section 6.9 to this page. Archived the May newsletter and archived the Jan. '14 => Apr. '14 update log.

June 30 - Posted the July 'Article for the Month' and updated the Next Event Summary.

June 1 - Posted the June 'Article for the Month.' Updated the IT Legacy, Exhibits page 19.

May 20 - Updated the Next Event Summary and archived the April newsletter.

May 6 - Added a new developmental page 19, [Exhibits](#).

May 2 - Posted the May '[Article for the Month](#).' Posted an updated [VIP Club](#) flyer.

April 17 - Inserted the May event to section 3 of this page. Archived the March [newsletter](#).
April 13 - Added Don Ream to the People, Deceased page.
April 10 - Updated the AN/UYK-43 and AN/UYK-7 information on the Computers, 32-bit page. Inserted AN/USQ-69 info as section 3.5 of Computers, Others. Added the picnic registration form at the bottom of the Contact us page. Added the August program to the Home, Calendar page.
April 2 - Posted the April 'Article for the Month', archived the remaining 2013 updates from section 5 of this page. Archived the 2014 Jan/Feb newsletter at <http://vipclubmn.org/Newsletters.html#Archives>. On the Board page 2, we replaced Warren Becker with Bill Galle as the co-coordinator of the Christmas dinner.
March 15 - Added a Larry Schmidt story as section 4.13 of the People, P-S page and updated the Next Event Summary on this page.
February 17 - Updated the next event summary. Archived the December 2013 newsletter.
February 8 - Posted links in the announcement section to the 2013 volunteer hours survey form and to the 'Be a Historian' form.
January 23 - Updated all web pages with header tweak and 2014 copyright at the bottom. Added the VFW and Highland Park to section 6 below, put in subsection numbers.
January 20 - Upon Jan/Feb newsletter distribution, we've archived the November newsletter. Updated the newsletter page introduction.
January 17 - Posted both the February and March 'Article for the Month'. Updated the Legacy, Milestones page with a few recent events.

2013 UPDATES

December 31 - Added the venue directions section to this page. Updated the Calendar page, linked the latest Blue Bell retirees newsletter from the Newsletter page. Archived updates through October of 2013.
December 15 - Posted the January Article for the Month. Replaced section 3.4 of page 31, People A-B with a more detailed pdf file.
December 14 - rebuilt section 5 of page 0, Site Map. Updated the next event section of this page with the February program specifics. Add Bob Pagac to the People, P-S page 36. Deleted the Christmas Dinner form from the Contact US page. Added VP Bob Pagac to the Board pg 2 page. Added a link to the latest Blue Bell newsletter to the newsletter page. Linked the [2014 flyer](#) from the home page introduction.
December 2 - Added a new IT Legacy page 77; Locations, [Winnipeg Operations](#).
November 30 - Added information to section 4 of page 27, [People, They Flew](#). Updated Calendar page with 2014 dates. Updated the Board page with 2014 Officers and Activity Coordinators. Updated the Club History page. Updated the Lunch Group page. Updated the Contact Us page with topical links to the 2014 Board. Changed the page 6 tab from 'Club Sponsors' to 'Club Hosts'.
November 19 - Updated the next event section on this page. Posted a link to the October newsletter on page 7.
November 13 - Posted the December 'Article for the Month'. Inserted sub-section 4.1.2 onto [page 8](#). Posted the Christmas Dinner sign up form on the [Contact Us](#) page. Archived this section through *August 2013*. Added a link to the most recent Charles Babbage Institute newsletter on page 7, section 1. Added 2013, 2004, and 2005 deceased list links to [section 2 of page 39](#).
November 5 - Added section 4.3 to page 27. Added the 2013, 2004, and 2005 lists to section 2 of page 39. Did some minor housekeeping.

October 29 - Updated sections 4 and 6 of page 27, [People, They Flew](#). Inserted They Flew tabs to other People pages. Posted the Christmas dinner reservation form at the bottom of the Contact Us page. Added section 3.20 to the People, deceased page.

October 24 - Added a new page - People, They Flew, page 27. Still have to insert some tabs on the other People sub-tabs.

October 12 - Posted the November Next Event Summary on this page and did some more 'housekeeping'.

October 8 - Added section 2.7 to the Engineering, Training page. Added the SSN-783 snapshot to section 3.5 of the Computer, Others page.

October 6 - Added the IT Legacy exhibit opening at the DCHS Lawshe Museum to the Club's [Milestones](#) and to section 5 of the IT Legacy page. Added section 6.9 to the Links page. Updated the links in the page 11 introduction. Updated the People, Index page first table. Updated the Home page Introduction. Posted the November 'Article for the Month' and did some general housekeeping on all pages.

September 22 - posted the October 'Article for the Month' and updated the link to the latest Blue Bell retirees newsletter, see right side note at <http://vipclubmn.org/Newsletters.html#Electronic>

September 12 - Added a Polish translation link to our Systems, Pg 60 and updated the next event summary. Archived the June newsletter. Posted the 2013 Unihogs/Uniturkeys flyer on the Periodic Groups page.

August 27 - Posted the September 'Article for the Month.' Added section 3.7.10 to the Computers, 24 bit page. Added a note about the German translation to the Announcements section as well as to the IT Legacy page introduction.

August 22 - Updated the next event summary on this page. Added Dr. Misa's latest book to section 3 of the IT Legacy, Documents page.

July 31 - Added Colin Burke book links to section 6.1 of the Links page, updated the July Article for the Month with a correction to page 28 therein.

July 22 - Posted the August Article for the Month. Archived the May newsletter and provided a link from the newsletter page to the latest Blue Bell retirees 'News Bits' issue. Added January 2013 through April 2012 updates to the chronology update log.

July 11 - Posted the July Article for the Month.

June 17, 2013 - Posted the June Article for the Month.

May 29, 2013 - Archived the March and April newsletters on the Newsletter page.

April 21, 23 - Added section 2.11 to the People, G-H page. Removed the Volunteer Breakfast tab - survey form will be available again next year. Archived the October 2012 through January 2013 entries from this section. Posted the May 'Article for the Month.'

April 15 - Added section 3.7.9 to the Computers, 24-Bit page.

April 7 - Added obit summaries for Chuck Homan and Dr. George Champine to the People, Deceased page. Added section 3.0, 2052, to the Computers, AF page. Created subsection numbering in section 3.7 of the <http://vipclubmn.org/CP24bit.html> page; then added subsection 3.7.8, CP-818 (1224) experiences from Tom Van Keuren. Added section 3.4 to the Engineering, Memory page. Added section 2.6 to the Locations page. Updated the IT Legacy logo at the top left of our pages to remove the MS2 from Lockheed and to spell out ERA.

April 1 - Posted the April Article for the Month.

March 25 - updated section 4 of the Systems, Air Traffic Control page with figures, text, and a plethora of linked documents from Tom Montgomery. Also revised the contact page to eliminate the need for Outlook PC software to contact board members.

March 20 - updated the Navy Systems introduction and archived the Jan/February newsletter.
February 14 - Updated the Next Event Summary, section 3 above. Posted the Volunteer Survey Form and added a link sub-tab to this page. Added a Grand Picnic Reunion reservation form at the bottom of the Contact Us page.
February 10 - Updated section 2 of the [Systems, Airborne](#) page with subsections and an input from Ned Hunter. Archived the October, November, and December updates in the chronology list.
February 3 - Posted the February article for the month.
January 9 - finished on-page links of the scroll to sections. Archived the November 2012 newsletter. Added site search function to the home page.
January 4, 2013 - Fixed a number of non-functioning links.

2012 UPDATES

December 21 - Added Erwin Tomash to the People, Deceased page.
December 20 - added a link to the Slovenian language translation on the Computers' page. Added text to section 3 of the Locations, Burroughs page. Posted the January Article for the Month.
December 19 - Added the picnic registration form to the Contact Us page.
December 17 - Updated section 3 of this page and added March and May program information to the Home, Calendar page.
December 13 - Updated section 6 of Home, Recreation page. Archived June through September of this section in the Chronology - linked below.
December 11 - added section 2.1 to the IT Legacy, Artifacts page. Added section 6 to Computers, Others page. Added a search box to the IT Research Links page.
December 10 - added section 3.16 to the People, Deceased page. Updated the Calendar page. Testing a message box to the Contact Us page.
December 2 - added section 6.8 to the Links page. Repaired some non-functioning links on the Engineering, Software page.
November 21 - Posted the December Article for the month and revised the introduction on this page to include our IT Legacy 'repository' site links.
November 14 - Posted the 2013 elected officers and directors on the Home, About Us page. Posted a link to our 2012 co-workers deceased list on the "People, Deceased page."
November 9 - Posted the Club's 2013 Calendar on the Home, Calendar page. Renamed the 'Lunch Groups' page and tab the 'Periodic Groups' to have it represent the breakfast gatherings as well as the lunch groups. Posted our Sesquicentennial history wallboard on this page.
November 8 - updated the Senior Center listing in section 7 of the Recreation tab.
October 30 - Posted the November Article for the Month on this page and on the IT Legacy, Documents page.
October 28 - Posted the Christmas dinner reservation form on the Contact Us page. Began a font transition and 'bookmarks' to make on page section scrolling easier for browsers. Posted a link to the club flyer on this page and on the membership page.
October 27 - Updated the Calendar page with reserved 2013 dates, Newsletter page with link to the September edition, Recreation page with Senior Center link fix, and deleted June & July Article for the Month listings. Also began site transition of fonts to Tahoma typeset. Comments are welcome.
October 16 - Updated the Next Event summary with associated driving directions. Archived this update log through June 2012. Updated section 7 of the Home, Recreation page. Added down links in the scroll to section of this page. Added a link to our Club flyer on this home page and on the About Us page.

September 30 - Posted the October 'Article for the Month' and updated the Next Event Summary. Also added community centers links to the Home, Recreation page.

August 20 - Posted the September 'Article for the Month' and updated the Next Event summary.

August 9 - Added section 7 to the Home, Recreation page.

August 4 - Posted the August Article for the Month. Added NEXRAD to the Systems, Government page. Updated the Home, Recreation page with Bowling League information.

July 14 - Archived the VIP club newsletters for years 2004 through 2008; see section 3 of the Home, Newsletter page. Began experimenting with a site search function on the Links page.

July 11 - posted the June and July 'Article for the Month' on the Home page and on the IT Legacy, Documents page.

June 20 - Finished conversion of the IT Legacy, People, and Engineering pages and sub-tabs. Updated the Next Event section of this page.

May 30 - Finished conversion of the Computers pages and the Locations pages.

May 10 - Updated the next event summary.

April 19 - Posted the May 'Article for the Month' and completed re-write of a few more pages.

April 14 - Began the site re-build on the Web Hosting Hub, all pages will be eventually be posted - Microsoft Office Live decided to begin charging for hosting web sites.

April 1 - Archived update log with changes listed through January 2012.

March 20th - Updated section 3 above to list the April volunteer breakfast.

March 2nd - Added "The secret in Building 26" to section 3 of the IT Legacy, Documents page.

February 29th - Moved the Operations page from a Locations sub tab and renamed it Production as a sub-tab of Engineering.

February 22nd - Added NTDS Service Test Too as section 8 of the Systems, Naval page.

February 16th - Added section 10 to the People, Anecdotes page. Added section 5, QuickLook, to the Systems, Airborne page. Added Paul Gregory to the People, G thru H page. Added section 7, NTDS Service Test, to the Systems, Naval page. Added the April 'Article for the Month', albeit a bit early, it is ready so enjoy reading.

February 14th - Happy Valentine's Day! Added section 7 to this page, our survey form for members volunteer hours during 2011. Also archived the December 2011 newsletter. Added section 4.3 to the Systems, Naval page. Added Gerry Pickering to the People, P-S page, and added NEXRAD to the Systems, Government page. Added the March Article for the Month.

February 6th - Added an IEEE NTDS History page link to section 4 of our IT Research Links page. Renamed the Systems, Postal sub-tab as the Systems, Government sub-tab to facilitate insertion of NEXRAD systems inputs from several readers.

January 30th - Posted the February Article for the Month, also posted TRANSIT as section 6 of the Systems, Navy page.

January 18th - Posted a link on the IT Legacy page to the Romanian translation of the page, see left column bottom of section 1.

January 14th - Reformatted the Home, Membership page. Updated the calendar page.

2011 UPDATES.

December 31 - Re-positioned the Index page under the primary 'People' tab updated the header and footer for a New Year's color variation.

December 26 - Renamed the primary 'Facilities' tab to 'Locations'. Moved the sub-tabs 'Burroughs' and 'Blue Bell' under the Locations major tab. Moved the Who Is It page from a People sub-tab to an IT Legacy sub page. Renumbered the Articles for the Month on the Legacy, Documents.

December 22 - Posted the January Article for the Month.

December 14th - Posted the December Article for the Month, updated the Calendar/Event page, and archived the July-August update log. Started putting page numbers into the header tabs. Updated the Home, Calendar page. Made the Recreation page a sub-tab of the Home page.

December 7th - Posted the November Article for the Month and updated next event information. Posted links to the September, October, and November 2011 archived newsletters

November 10th - Posted election results and updated the Next Event information.

October 26th - Added an 'unknown persons' photo to the People, Who Is It page, changed the background color scheme, and did some assorted typo clean up.

October 21st - moved the Who Is It page from a sub-tab of the Links page to be a sub-tab of the People page.

October 20th - Added Dick Huberty to the People-deceased page. Added Clear Lake, IA to the Facilities, US page, then finished updating the People, Index page.

October 18th - Updated the Article for the Month listings on this page as well as on the Legacy Project, Documents page. Archived this section entries from before July. Added a section 6 to the Systems, Air Traffic Control page to provide a brief summation of the ZKSD project.

October 11th - Posted the Unihogs/Uniturkeys 2011 [information flyer](#)

October 10th - Moved the newsletter archives to a sub-tab of the home page. Moved the Documents page to a sub-tab of the Legacy Project. Added the 2012 schedule to the Calendar page.

August 21st - Added section 4.5 to the People page.

August 8th - Updated the Home, About Us page and the Home, Join Us page to reflect the Club's Amended Constitution and updated Bylaws.

July 7th - Added career summaries for David E. Cross, Joyce Mortison, Bob Myller, and Kathy Nelson. Removed temporary section 7 from this page. Added a P3 Orion site link to section 5.1 of the Links/Docs page [see section 3.8 of <http://vipclubmn.org/CP30bit.aspx> for a summary of that site's information.]

May 22nd - Added 'temporary' section 7 to this page, Constitution Ballot.

May 12th - Updated the Calendar/Activities Page and posted the 2011 January and 2011 March newsletters on the Links & Docs, Newsletters page.

April 18th - Updated section 3.5 of the Computers, Other page with additional Q-70 information. Updated section 4 of the Links & Docs page with research web site from Dr. Tom Misa.

April 16th - Added section 4, driving map to the next upcoming event to this page, moved the acronyms section to the Links, Documents page. Added the May Article for the month. Removed the Volunteer response form.

March 17th - Added an interactive driving map function to the Calendar/Activities page. Removed the 'Legacy' icon from the non-legacy pages. Did some random house cleaning and formatting. Updated section 3 of the People, Index page.

March 14th - Posted the April Article for the Month. Updated O. Wynn Roberts career summary. Archived the 2010 August thru December updates into the Chronology. Archived the November and December newsletters. Added the Recreation level 1 tab and level 2 Trap and Skeet tab there under. On the Home, Sponsor's page - changed the direction map for Eagan program meetings. Renamed

the Home, Site Map to Home, Site Design Specs and updated content to reflect addition of the Recreation tabs.

February 21st - Added Scott Benjamin's career summary as section 2.3 of People, A-B. Restructured the Legacy pages.

January 21st, 2011 - Added Nancy Gunther's summary as section 2.9 of People, G-H.

January 19th, 2011 - Updated the Calendar and Lunch groups pages w/info re' the changed New Brighton breakfast site. Updated section 7 below. Posted the February and March Article for the Month.

January 10th, 2011 - Added Volunteerism Form as section 7 of this page.

January 4th, 2011 - Updated section 3.6 of the People, Deceased page with comments from Don Lovely. Added Tom Widenkopf career summary as section 4.5 of the People, T-Z page.

2010 UPDATES

December 25th, 2010 - Moved the Fred Hargesheimer entry from the People, G-H page to the People, Deceased page.

December 21st, 2010 - Updated the 'Home, About Us' page with the 2011 officers. Updated the [Legacy Committee Page](#).

December 12th, 2010 - Posted the January 'Article for the Month' in section three above and on the Links/Docs, Documents page.

December 9th, 2010 - Updated the General Manager table on the People page and archived the October newsletter.

December 7th, 2010 - Updated Calendar/Activities page with the Club's 2011 calendar, added Ron Irwin's MATCAALS history log to section 4 of the Systems, Marines page.

December 2, 2010 - Posted the 2010 listing in section 2 of the People, Deceased page, <http://vipclubmn.org/deceased.aspx>. Posted Jim Overocker's career summary as section 4.2 of People, M thru O page, <http://vipclubmn.org/people5.aspx>. Added Plant 2 closing information as section 2.5 of Facilities page, <http://vipclubmn.org/Facilities.aspx>. Added MATCAAKS item to section 4 of the Systems, Marines page, <http://vipclubmn.org/marines.aspx>. Added Glen Turner's article as section 4 of the Engineering, Couplers page, <http://vipclubmn.org/couplers.aspx>.

November 11, 2010 - Updated sections 1 and 6 of the Calendar page, corrected the December Article for the Month links. Updated section 2 of the Club History page.

November 8, 2010 - Moved the June through August 2010 update history to the web update record. Added the December 'Article for the Month' on this page and on the Links & Docs, Documents page. Added Lyle Franklin's career summary as section 5.2 of the People, C-F page. Added a Gary Sloan letter submittal as section 4.13 of the People, P-S page. Added another Rapinac recollection as section 3.7 of the People, Anecdote page. Added comments by Rapp to section 3.9 of Computers, 30-bit. Added a tidbit from Tom Rougier as section 3.6 of People, P-S page. Appended a tidbit from Marwood Clement to the Introduction of the Systems, Airborne page. Added section 2.4 to the Facilities page.

October 18, 2010 - Added the November 'Article for the Month' on this home page and on the Links & docs, Documents page.

September 14 - Updated the Calendar/Events page. Re-named section 2 of this page. Posted the October 'Article for the Month' on this page and on the Links & Docs, Documents page. Added section 3.6 to the People, Anecdotes page.

August 31 - Added September Article for the Month. Updated section 5 of Systems, Marines. Added sections 5 and 6 to Systems, Aerospace. Added sections 4.1 and 4.2 to Systems, Navy. Added section 5.5 to Links. Added inputs from Lyle Franklin to end of section 3.6 of Computers, 24-bit.

August 17 - Transferred February through May items of this section to the Chronology document. Updated the Engineering, Software page with the section 9 article by Clyde Allen.

July 31 - Added the August Article for the Month to this page and to the Links, Documents page. Updated the CP-823/U entry, section 3.8 on the Computers, 30-bit page using newly provided data from Todd J. Thomas.

July 2 - Added the July Article for the Month to this page and to the Links, Documents page.

June 15 - Added a link to our revised operating By-Laws to the [About Us](#) page.

May 25 - Added the June Article for the Month and added Bill Keye to the People, Deceased page. Added a Vern Leas photo and identification to the People, Who Is It page. Added the April/May member survey results as section 7 of this page. Fixed some grammatical errors in the Introduction to the Site Map page.

May 13 - Updated Facilities and Twin Cities Facilities pages with some Plant 4 date information.

April 22 - Add a 'last' paragraph to section 5 of the Naval Systems page. Updated the calendar page with info about upcoming events and the 2011 calendar dates. Changed the Legacy Icon, added 'Established 1980' to the header logo. Archived update log through January of 2010.

April 18 - Archived the 2010 March newsletter. Added the May 'Article for the Month. Removed the volunteer hour survey form.

March 18 - Updated Club Sponsor contact information. Archived the 2010 Jan/Feb newsletter.

March 11 - Added the April Article for the Month in section 3 above and on the Links & Docs, Documents page. Added Al Reiter to section 3 of the People, P thru S page. Updated section 4 of the Links & Docs page with corrections to Reiter's web pages and added the Information Technology web site link. Updated section 3 of the Home, Club History page. Updated section 2.3 of the People, Who is it page. Revised coordinator names in sections 2 and 3 of the Home, Lunch Groups page. Added an item to section 1 of Legacy-Defense, Committee. Updated sections 1, 3, and 5 of the Home, Calendar page. Also changed the header's color scheme to be more spring like.

February 16 - Added the 2009 volunteer hours survey form to this page. Added section 2.4 of the Facilities page and inserted a photo into section 2.3 along with an editor's note.

January 31 - Archived the December newsletter on the Links-Docs, newsletter page, also corrected a couple of dates on the Home, Calendar page.

January 26 - posted the March 'Article for the Month.'

January 20 - Did some minor format changes to the home page.

January 18 - Added section 5.4 to the Links page. Added sections 2.5 and 2.6 to the People, P thru S page. Added the February Article for the Month. Added a photo of the Memory Processor design team to section 4 of Computers, 32-bits page. Added David P. Andersen's book to section 2 of the Links, Documents page.

January 7 - Updated the Legacy 'logo' with a Minnesota state background. Re-built the Links page. Initiated some cosmetic changes to enhance page visual aspects. Archived update log through

October of 2009. Moved the 'Who Is It' page to be a sub-tab under the primary People tab. Updated the Legacy Committee page.

2009 UPDATES

December 23 - Added the January Article for the Month. Added some identifications to the 'Who Is It' page. Expanded section 6.2 of the Engineering, Memory page with an input from Dick Petschauer. Added 2010 dates to the Home, Calendar page.

November 28 - Added the 2009 obit list to the People, Deceased page. Added a photo to Don Weidenbach's career summary. Add an ~1953 pay stub scanned image to Ed Nelson's career summary. Add a snapshot to Rollie Arndt's article on the People, Deceased page. Added eight more computer history links to section 5.1 of the Links & Docs page.

November 23 - Added the December Article for the Month, section 3 above and on the Links, Documents page. Added a new 'Who Is It' picture and inserted identifications of some of the previously unidentified persons. Inserted a new section 2 onto the links page [*parle vous France?*], moving the other sections down. Added section 5, TERPES, to the Systems, Marines page. Added a Links page link to the latest CBI newsletter. Updated the Legacy, Committee page with U of MN cooperative activities information.

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 Larry Bolton and Larry 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.

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.'

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.

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 6 - corrected the corporate name table on [page 10](#) in response to a reader's comments.

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.

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 standalone 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 scheme.

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 25th - Updated announcements, added October article of the Month.

September 16th - Added C.P. 'Chuck' Covington to the [People, C-F](#) page.

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 [Don Blattie](#) and a contact tidbit from [Richard Prokop](#), and a transcribed oral interview with [Fred Hargesheimer](#).

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

February 8th - Filled in more information on the [Artifacts](#) page, feedback about the 'mini-slide shows' is welcome. Added a newsletter section on the [Home-About Us](#) page. I added an [Ad Hoc](#) 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 [Engineering-Patents](#) page. Updated Don Lovely and Mike Kokesh's Carrier ride story on the [Systems-Naval](#) page. Transferred corporation spin-offs to [Legacy-LMCO, Spinoffs](#). Started transfer of artifacts snapshots to [Legacy-](#)

LMCO, Artifacts. 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 Facilities-Manufacturing page, initially containing the Procurement article by Mike Svendsen and the Product Assurance article by Dick Roessler. Transferred information from previous site to Systems-International and People-Anecdotes. Transferred old site information to Systems-Marines, Systems-ASOC, Systems-Missiles, and Systems-Postal. Added Our Legacy, Sesquicentennial, and CBI contact persons to the Contact page.

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

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

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

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

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

January 17th - Created a new Facilities page 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 Glen Hambleton, Jay Gildemeister, and O. Wynn Roberts. Added disclaimer at bottom of the Home 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 36-bit page, Air Force page, 32-bit page, and Other page. Added career summary for John (Jack) Blackmer. Added career tidbit from John Hartmann. Added four web sites of interest links from Bill Bergen.

December 17th - Added two persons on the People, Deceased page. Updated the Home, About page with a snapshot and election section. Added a new page - People, Oral Interviews in

anticipation of available transcriptions early next year. Transferred the 18-bit computer and 16-bit computer information from old site.

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

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

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