

## FUTURE EVENT CALENDAR

September 4	10:00 a.m.	Board Meeting	UNISYS, Eagan (MACS)
September 11	7 p.m.	Speaker, cookies & de-caf	UNISYS, Eagan (MACS)
October 2	10:00 a.m.	Board Meeting	UNISYS, Roseville
October 9	6:30 p.m.	Speaker, pie & ice cream	UNISYS, Roseville
November 6	10:00 a.m.	Board Meeting	UNISYS, Eagan (MACS)
November 13	7 p.m.	Speaker, ELECTION, social time	UNISYS, Eagan (MACS)

### SEPTEMBER PROGRAM: **Vikings in the Attic**

Come and join us for enlightened entertainment by Eric Dregni on September 11<sup>th</sup> at 7 PM in the UNISYS, MACS building visitor's conference room. Social time and cookies will follow Eric's presentation.

Most Newsletter readers are either of Scandinavian descent or live among those who are. Hardly any of us remains uninfluenced by the ubiquitous Nordic heritage. How did this happen and why here? And what are the idiosyncrasies of these ever so prevalent people? Our speaker for September is Eric Dregni (yes, Dregni is a Norwegian name), assistant professor of English (writing and journalism) at Concordia University in St. Paul and author of 16 books including *Follies of Science: 20<sup>th</sup> Century Visions of our Fantastic Future*, *Weird Minnesota*, and *Midwest Marvels*. As a Fulbright fellow to Norway he wrote *In Cod We Trust: Living the Norwegian Dream*. Mr. Dregni worked in Italy for five years as a travel journalist for a weekly paper and compiled his essays into a book in Italian, which was later translated into English as *Never Trust a Thin Cook: and Other Lessons from Italy's Culinary Capitol* (U of M Press). His most recent book is *Vikings in the Attic: In Search of Nordic America*. In summer he is the dean of the Italian Concordia Language Village, *Lago del Bosco*.

Eric grew up with Swedish and Norwegian grandparents with a bit of Dane thrown in. That experience helped shape his perception of "normal" people. He listened to their stories, believed most (at least until later on), but then discovered so many more unusual habits, traits, beliefs, dietary peculiarities, etc.

He spins great yarns, throws on a heavy gravy of humor, and helps us see what makes us, or at least our coworkers or neighbors, tick. *Thanks to Dale Phelps and Dick Lundgren for the arrangements.*

### OCTOBER PROGRAM: **Pie and Ice Cream Social**

9 October 6:30 PM at UNISYS Roseville: Pie and Ice Cream night. If you like ice cream and hearing about an adventure, mark your calendars for 6:30 p.m. on Wednesday, October 9<sup>th</sup>. That is when we will have our annual ice cream social at the Univac Roseville facility and Peter Hancock, who used to work at Unisys in Roseville, will talk about his adventure of Camping in the Outback in Australia.



Pete will begin his talk with the scenery and animals that you might see on a normal campervan trip in Australia. But what if you want to get away from the

crowds, drive the dirt tracks, camp in isolation, and explore some of the wilder areas of the Outback? Pete



and his wife Sandie have used their converted Landcruiser to get to some amazing places. He'll talk about the logistics of such a trip and their experiences with wildlife and weather. Oh yes, and he'll give some advice on how to stay alive while you're having fun!

## PRESIDENT'S MESSAGE

**From: Bob 'RC' Hanson**

As usual the Board of Directors did not meet in the month of July. Our 7 August meeting included a review of the Grand Reunion Picnic to determine if we should change anything. The verbal responses from people that attended were very positive. In the last newsletter John Westergren requested comments from club members regarding ideas for future picnics. As of 7 Aug. we had received none. We will give careful consideration to all suggestions. Respectfully, *Bob 'RC' Hanson*, VIP Club President

## ANNOUNCEMENTS

**October Newsletter Inputs:** Members are invited to submit activity reports, IT Legacy articles, or jokes electronically to Chief Editor and Director, Joe Schwarz [jschwarz@isd.net] by September 8<sup>th</sup>.

**Nominations** for the 2014 VIP Club Board of Directors: Contact Tom Turba by October 1<sup>st</sup> to volunteer to lead one or more of our activities for the upcoming year!

### Mark Your Calendar:

- 13 November 7:00 PM- Eagan MACS - Denise Nelson, RN - "Navigating your Health and Wellness in today's complicated medical world". *AND election of your Officers and Board for 2014.*

- November 22<sup>nd</sup>, 11 AM: Annual UNIHOG/UNITURKEYs luncheon at Casper's in Eagan. Contact Fred Vihovde, Jack Ross, or Lowell Benson for reservations.

- December 5<sup>th</sup>, 11 AM: Annual UNIVAC Old Timers' Reunion at the Ft. Snelling O' Club. Volunteer coordination help needed – contact Lowell.

- 12 December 4:30 PM Fort Snelling Officers Club - Christmas Party. Reservation requests should be sent to Marion Scott or Warren Becker. One man band Lyndon Peterson will provide Christmas music for dancing or conversations.

## PERIODIC GROUPS

**One breakfast group** meets monthly at 8:00 a.m. on the 1st Thursday of each month at Joseph's Grill, 140 South Wabasha, [Wabasha and Plato] St. Paul. Phone at the Grill is 651-222-2435.

**Another breakfast group** meets monthly at 9:00 a.m. on the 2nd Wednesday of each month in Gina's Café at the Eagles Club, Old Hwy 8, in New Brighton. Phone of coordinator is 763-416-3903.

**One Luncheon group** - [engineering/drafting] meets monthly on the 1st Tuesday at 11:00 a.m. at the Old Country Buffet at 2000 S. Robert, in West St. Paul.

**A Second Luncheon group** [Unisys and Burroughs] meets monthly on the 2nd Tuesday at 11:30 a.m. at the Mall of America 3rd floor North Food Court. We sit at the tables between the elevator and Burger King. Coordinator phone is 952-854-7855.

**A Third Unisys Luncheon group** meets monthly on the 2nd Wednesday at 11:00 a.m. at the Old Country Buffet, Holly Shopping Center, located at University Ave. and Mississippi St. just north of I-694. Coordinator phone is 651-552-1465.

**Dinner Club** - A Unisys Dinner Club meets monthly, from September through April, on the 4th Wednesday at 5:00 p.m. at Champs located at 35E and Larpenteur Avenue.

## NEW MEMBERS

Bayless, Tom & Dorothy Bartlett, TN.  
Moe, Dennis & Lee Farley Farmington, MN.

## IN REMEMBRANCE



**Field, Sally (Bauer)** - Age 80 of Waconia, MN. Passed away on Monday August 5, 2013 at her home in Waconia. Sally Bauer was an executive secretary at Sperry Univac and worked for several VPs including Al Wald, John Vold and Ernie Hams. Sally is survived by her loving husband, Burton Field of Waconia. Sally and Burt have been long time members of the VIP Club.

## VIP Club September 2013 Newsletter

**Grenier, Michael W.** – Age 54 of St. Paul, MN. Passed away on June 27, 2013. Survived by special friend Tune Mills. Michael worked in Air Traffic Control at Lockheed Martin.

**Gildemeister, Jay H.** - Age 67 of Burnsville, MN. Passed away on July 23, 2013. Jay is survived by his wife, Donna Jay worked military contracts for multiple companies and retired from Lockheed Martin. Jay was a VIP Club member.

**Gilpin, Dorothy L.** - Age 97 of St. Paul, MN. Passed away on July 21, 2013. Dorothy was a Salvation Army soldier for 72 years and also the travel cashier at Sperry Univac. Dorothy was a long time member of the VIP Club.



**Thul, Ronald J.** – Age 76 of St. Paul, MN. Passed away peacefully, at home, surrounded by his family, on July 25, 2013. He is survived by his loving wife, Rosie. Ronald began his career as a teacher at Rocori High School and lastly worked for Lockheed Martin. Ron was a long time VIP Club member.

### CONTACT DATA

#### Newsletter Editorial Staff:

Mail 'Letters to the Editor' to: VIP Club, 1486 Fairmount Ave, St Paul, MN 55105 or e-mail to vipclub2003@yahoo.com

Joe Schwarz - Chief Editor, jschwarz@isd.net  
Brian Berggren - Editor, bbek@usfamily.net  
Bernie Jansen - Editor, bjskj@msn.com  
Richard Lundgren – Editor, rflundgr@aol.com  
Don Naaktgeboren – Editor, donfishn@yahoo.com

#### 2013 VIP Club Board:

Bob 'RC' Hanson	President	651-633-4259
Harvey Taipale	Treasurer,	651-748-5083
Frank King	Secretary,	651-774-0997
Keith Behnke	Director,	651-894-2182
Dale Phelps	Director,	952-831-7843
John Westergren	Director,	952-431-5868
Joe Schwarz	Director,	651-698-9698
Lowell Benson	Vice President,	651-483-3709
Tom Turba	Past President,	651-489-0779

#### Activity Coordinators:

*CBI Liaison*, Dick Lundgren – rflundgr@aol.com  
*Christmas Dinner*, Warren Becker, wrwbckr@aol.com and Marion Scott, 651-455-7952  
*IT Legacy Committee*, John Westergren - jwestergren@frontiernet.net  
*Mature Voices Minnesota*, Brian Berggren – bbek@usfamily.net

*Membership & Recreation Leagues*, Keith Behnke – keithbhnk@comcast.net

*Picnic Coordinators*, John W. and Keith B Programs, Dale Phelps – dphelps@usfamily.net  
*Roseville Good Old Days*, Tom Turba – tnturba@comcast.net

*Sunshine Cards*, Lynn Lindholm – LynnLindholm@comcast.net

*Volunteer Breakfast*, Bernie Jansen – [bjskj@msn.com](mailto:bjskj@msn.com) and Frank King – kingx063@umn.edu  
*Webmaster*, Lowell Benson - labenson@q.com

#### Retirement Status and Benefits:

Unisys, 1-877-864-7972  
Lockheed Martin, 1-866-562-2363

#### VIP CLUB Corporate Liaisons:

Unisys print shop – Judy Bornetun, 651-635-6792  
Unisys, Roseville – Sue Carrigan, 651-635-7712  
Unisys, Eagan – Kim Loskota, 651-687-2232

### REPORTS, ACTIVITIES

**Sports and Recreation:** by Keith Behnke

#### Bowling

The 2013-2014 bowling season starts Wednesday, August 26, 2013. We bowl 3 people (mixed) from 5:00 p.m. to 6:30 p.m. Wednesday from September to mid April at Cedarvale Bowl in Eagan. We still have active Lockheed employees (air traffic control), retirees of Univac/Unisys/Lockheed, and family members. We have bowlers who bowl once a month as well as those who bowl regularly. We are interested in a full team or individuals who would like to join a team. Teams consist of 5 to 8 bowlers. Please contact Kevin Schwarzbauer ([kschwar@hotmail.com](mailto:kschwar@hotmail.com)) if you are interested.

#### Golf

The Unified Legacy Golf League (ULGL) is made up of present and past employees of both Lockheed Martin and Unisys. League rules also allow relatives or friends to participate. We have 295 active members, who play in one of the five leagues and/or the tournaments. Tournaments are held at least once each month during the summer with a variety of formats and have had a participation level of between 80 and 100. For additional information contact Keith Behnke ([keithbhnk@comcast.net](mailto:keithbhnk@comcast.net)).

#### Legacy Committee Report:

“From ERA to Lockheed Martin: A Legacy of Technology” is the theme of a new Exhibit at the Dakota County Historical Society’s Lawshe Museum opening on August 14<sup>th</sup>. VIP club members at the reception on August 13<sup>th</sup> got a “sneak peek” preview.

The museum, assisted by legacy volunteers, is working hard to catalog, conserve and plan future exhibits of the two truckloads of historical material donated by Lockheed Martin in 2012.

This material represents a legacy well beyond Lockheed Martin. Whatever your company – ERA, Remington Rand Univac, Univac, Sperry, Unisys, Loral, or Lockheed Martin, something of work history is very likely in this archive. Volunteers, led by Trish Myhre and Jon Simon, are working every Tuesday to sort and catalog material. The museum's future needs go well beyond the capabilities of the Excel databases we started with, so Keith Myhre is working to convert everything to Access, which will support more robust cross-referencing, look-up and future updating. This activity can still use a number of volunteers, so call Trish or Jon if you are interested, or show up at the museum on any Tuesday.

Finally, the museum is pursuing a Minnesota State Legacy grant to develop a more comprehensive exhibit. We will know if this request is successful in November, and, if approved, we will need input from even more volunteers. Watch the newsletter for more information, and start thinking about just what were the key events in the history of all these companies.

**Shooting the Breeze:** Shown below are Brian Berggren, Joe Schwarz, and John Skonnord waiting their turns at the St. Paul Rod and Gun Club; the clay pigeons liked the breeze too! ☺ *LABenson*



**North of the Border:** Many of our members worked with or at the Sperry/UNISYS facility in Winnipeg. Although the Winnipeg facility closed, the ‘company’ continues in Canada as reported by Ed Pogorzelec: “Back here on the east coast, DND Canada has assigned the 8<sup>th</sup> ship; HMCS St. John’s, to proceed for retrofit, along with Provisional Acceptance slated for HMCS HFX on Sept 15<sup>th</sup> and First Article Acceptance (FAA) of same on Dec 15<sup>th</sup>. So we at Lockheed Martin Canada have our work cut out for us. Once we achieve FAA hopefully then we can treat the other ships as a production line and simplify the acceptance criteria.

From our other fronts:

1. Tom Wilson has provided insight regarding our AYK-23 digital Computer Processor Memory Unit (CPMU), the last S-3B Viking squadron was decommissioned in 2009, but in June 2010, several S3B Vikings were re-activated to patrol the [Pacific Missile Test Center](#)'s range areas off the coast of California.
2. For the Marine Air Traffic Control And Landing Systems incorporating our SDB SHINPADS, several MATCALs shelters are still being deployed world-wide in conflict zones, and
3. Lockheed Martin Canada has received extension service contracts to support our Direct Fire Targetry Systems on Canadian weapon ranges.

From the Naval standpoint, 7 Halifax Class frigates are in refit with HMCS Halifax completing three of her weapon certifications with the new Combat Management System. The Multi-Function Workstations and Mission Critical Enclosures developed by LM Eagan and manufactured by LM Kanata are impressive and the new system capabilities are a 1000-fold superior to the legacy SHINPADS. It is almost information overload. But that being said the fleet still has five frigates and three destroyers with the legacy SHINPADS and UYK-507s that continue to play a major role in many cases as Command Task Group. The sustainment plan is to eventually replace all SHINPADS and UYKs by yr 2024. This speaks volumes on the great engineering design, reliability and manufacturing capability developed by the Winnipeg team. Who knows we may see some of our great work in naval museums. I have suggested that HMCS Chippewa receive at least a working SHINPADS system along with UYKs. Regarding MATCALs, it is my understanding that there are MATCALs shelters still being deployed which was the land-based version of SHINPADS. Sure brings back memories.

This speaks volumes on the products that were designed, developed, manufactured and services provided from our Winnipeg plant. All the best and take care! **Ed Pogorzelec, P.Eng.** - Conseiller Assurance Qualité [Quality Assurance Advisor]

## REPORT, WEB SITE REVIEW

This is the thirty-eighth in the newsletter ‘Article-for-the-Month’ review series for Club members without immediate internet access. By Lowell A Benson

**In March 2013** we posted “24-bit Computer [Repertoire Cards](#) as scanned and described by Lowell Benson” Programmers, field service engineers, test technicians, and design engineers all used pocket sized repertoire cards as a quick reference when trouble

shooting hardware or when debugging software. As the VIP Club IT Legacy committee has been collecting documents, hardware artifacts, and career summaries; many repertoire cards have also been donated. This paper shows and discusses several repertoire card types for 24-bit computers and the sequence of these machines. Cards in the collection, destined for the Charles Babbage Institute, are the Transtec, the 1824, The Titan Missile Guidance Computer, and the 1224 computer. The Transtec card shown here is illustrated as a predecessor to the 24 bit Athena Computer.

“The epoch began just over 45 years ago. Company publications then referred to it as Plant 8, the only plant name known to many UNIVAC veterans who left or retired when Burroughs bought Sperry to form UNISYS in ‘87. When UNISYS sold the defense division to Loral, then when Loral sold to Lockheed Martin – the building was known internally as their Eagan facility.”



TRANSTEC II AND MAGSTEC II		REPERTOIRE OF INSTRUCTIONS	
10	ADD	(A) + (Y) → A, [A] <sub>LC</sub> <sup>M</sup>	
11	SUBTRACT	(A) - (Y) → A, [A] <sub>LC</sub>	
12	ADD REPLACE	(A) + (Y) → A, [A] <sub>LC</sub>	(A) <sub>1</sub> → Y
13	SUBTRACT REPLACE	(A) - (Y) → A, [A] <sub>LC</sub>	(A) <sub>1</sub> → Y
14	ADD CONSTANT	(A) + Y <sub>n</sub> → A, [A] <sub>LC</sub>	
15	SUBTRACT CONSTANT	(A) - Y <sub>n</sub> → A, [A] <sub>LC</sub>	
16	COMPLEMENT A	(A) → A	
17	COMPLEMENT Q	(Q) → Q	
20	STORE A	(A) <sub>n</sub> → Y	
21	STORE Q	(Q) <sub>n</sub> → Y	
26	ADDRESS SUBSTITUTE	(A) <sub>n</sub> → Y <sub>n</sub>	
27	ADD LOGICAL	(A) + L(QX)Y → A, [A] <sub>LC</sub>	
30	SCALE FACTOR	(AQ) <sub>L</sub> , SENSE (K) = 0 OR A <sub>22</sub> , (Q) → Y <sub>n</sub>	
31	ENTER A	Y <sub>n</sub> → A, [A] <sub>LC</sub>	
32	ENTER Q	Y <sub>n</sub> → Q, [Q] <sub>LC</sub>	
33	LOAD Q	(Y) → Q, [Q] <sub>LC</sub>	
34	LOAD A	(Y) → A, [A] <sub>LC</sub>	
35	SHIFT STORAGE	(Y) → A, [A] <sub>LC</sub> , (A) <sub>1</sub> → Y	
36	REPLACE ADD	(Y) + Z → Y	
37	LOAD LOGICAL	L(QX)Y → A, [A] <sub>LC</sub>	
40	STOP	STOP, JUMP TO Y	
41	OPTIONAL STOP	STOP (OPT), JUMP TO Y	
42	ZERO JUMP	(A) <sub>0</sub> → IF (A) = 0 JUMP TO Y	
43	NEGATIVE JUMP	IF (A) < 0 JUMP TO Y	
44	POSITIVE JUMP	IF (A) ≥ 0 JUMP TO Y, (AQ) <sub>L</sub>	
45	Q JUMP	IF (Q) < 0 JUMP TO Y, (Q) <sub>LC</sub>	
46	JUMP	(A) <sub>LC</sub> → JUMP TO Y	
47	RETURN JUMP	(P) → Y <sub>n</sub> , JUMP TO Y + 1	
50	MULTIPLY <sup>M</sup>	(QX)Y → AQ	
51	DIVIDE <sup>M</sup>	(AQ) + (Y) → Q, REMAINDER TO A	
60	INPUT	(Q) <sub>L</sub> , INPUT → Q <sub>05</sub> - Q <sub>00</sub> , (Q) → Y	
61	ASSEMBLE INPUT	(Q) <sub>L</sub> , INPUT → Q <sub>05</sub> - Q <sub>00</sub>	
62	OUTPUT	(Y) → Q, (Q) <sub>LC</sub> , Q <sub>05</sub> - Q <sub>00</sub> → OUTPUT	
63	EXTERNAL FUNCTION	PERFORM EXT FUNCTION INDICATED BY Y <sub>05</sub> - Y <sub>00</sub>	

<sup>M</sup>[A]<sub>LC</sub> DENOTES CONTENTS OF A REGISTER SHIFTED LEFT BY K BIT POSITIONS. SHIFT COUNT K MUST BE PROGRAMMED.

<sup>M</sup> MULTIPLICATION AND DIVISION ARE LIMITED TO USE OF POSITIVE NUMBERS ONLY. SHIFT COUNT K MUST BE PROGRAMMED.

In April 2013 we posted “The [Plant 8 Closure](#) edited by Lowell Benson using inputs from Dan Carlson, Dick Lundgren, Kristen Maloney, Tom Montgomery, and John Westergren; plus photos by Mike Eischen’s team.”

“This paper documents the end of an Information Technology (IT) Legacy epoch, i.e. the closing of an engineering facility in Eagan, Minnesota. The epoch began the fall of 1967 as the UNIVAC Division of Sperry Rand opened their Twin Cities’ 8<sup>th</sup> local facility. The epoch ended in March 2013 as the last resident, Lockheed Martin MS2, handed over the ‘keys’ to the building’s owners.

Located at the northwest corner of Pilot Knob Road and Yankee Doodle Road this facility once was the ‘work’ home of a few thousand defense industry employees. The building will be razed to make way for a shopping mall and small business offices.”

From a vibrant beginning to vacant space!



This paper also contains a recap of the 45 year Plant 2 history and several additional ‘empty space’ photos.

## LIGHTER SIDE

**CHURCH BLOOPERS:**  
 This is a compilation of actual Church Bulletins and Service bloopers... "Ladies, don't forget the rummage sale. It's a chance to get rid of those things not worth keeping around the house. Don't forget your husbands."  
 At the evening service tonight, the sermon topic will be "What is Hell?" Come early and listen to our choir practice.  
 Don't let worry kill you -- let the church help.  
 For those of you who have children and don't know it, we have a nursery downstairs.

# VIP CLUB

Established in 1980

P.O. BOX 131748

ROSEVILLE MN 55113-0020

## DIRECTIONS TO ACTIVITY SITES

*Car-pool if possible to all events or contact a board member for possible 'ride-with' suggestions.*

**Directions to Unisys MACS in Eagan:** Set your GPS unit to Eagan MN, 3199 Pilot Knob Road. From Hwy 35E take the Pilot Knob Road exit ramp. Then go north on Pilot Knob Road about ½ mile to Tower View Road. We use the Unisys north parking lot and the visitor entrance thereby.

**Directions to Unisys in Roseville:** Set your GPS unit to Roseville MN, 2470 Highcrest Road. From Hwy 35W north, exit onto W County Rd C, go west a mile, then turn left onto Walnut St. Then turn right onto Terminal Road for half a block, turn right at Highcrest Rd. to building entrance. From 35W south, exit on Industrial Way / St. Anthony Blvd off ramp, turn left, drive under the freeway, then turn right onto Walnut St. Follow it 0.8 mi north then turn left on Terminal Road. Go ½ block and enter the UNISYS parking lot on the right. From Hwy 36 east, drive west until 36 joins Hwy 35W just past Hwy 280, then exit at the Industrial Way / St. Anthony Blvd. off ramp of 35W. Go north on St. Anthony Blvd. to Walnut St. [the first street on the right]. Turn right onto Walnut Street. From Hwy 280 northbound, use left lane exit just past County Rd B for Terminal road access [St Croix St.] Turn left at Terminal Rd, then 1.5 mi to Highcrest Rd.

**Directions to the Lawshe Museum in South St. Paul:** Set your GPS unit to South Saint Paul, 130 Third Avenue. From the Roseville area, take Hwy 36 to I-35E south toward downtown St. Paul. Get into the left lane then take the I-94/Hwy 52 left exit to merge onto Hwy 52 going south. 3.4 miles later, take the Butler Ave exit and turn left. Go 0.7 mi and turn right onto MN156 S. After 1.8 mi, turn right onto Grand Ave. W – Drive up the hill a block and turn left, the parking lot is then 400 ft. on the left. From the Eagan area, take I494 toward the Mississippi river then take exit #65 onto 7<sup>th</sup> Ave. Turn left and drive a mile to South view Blvd, turn right at the light. After 0.3 mi, turn left onto 3<sup>rd</sup> Ave – the museum parking lot is then 0.2 mi on the right. .

