

## ***70 Years Ago – Date Recognitions***

These viewgraphs are replicated as the VIP Club website's February, 2016 'Article for the Month':

- On February 15, 1946 the ENIAC (see page 5) was dedicated by the Army at the Moore School of Engineering in the University of Pennsylvania,
- Page 3 notes the 1946 formation of Engineering Research Associates, and
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Plus, 30 years ago Burroughs bought Sperry to form Unisys – pages 13 & 14 .

*L.A. Benson*, webmaster.

# **Unisys and the Growth of Computing**

**Ron Q. Smith**

Unisys Fellow, retired

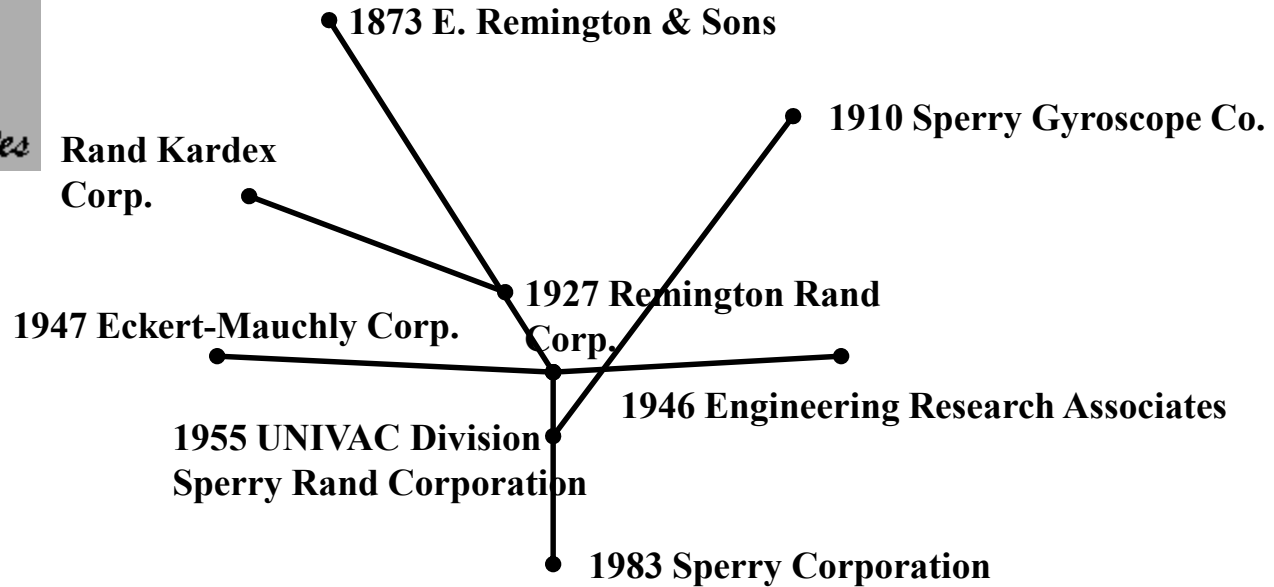
# Unisys – A Historical Perspective

- Unisys Corporate History
- The Evolution of Mainframes
- Modern Computing Trends



Elmer A. Sperry (1860 – 1930)

**UNIVAC<sup>®</sup>**



John Mauchly &  
J. Presper Eckert



William S. Burroughs (1855 – 1898)



*American Arithmometer Co.*



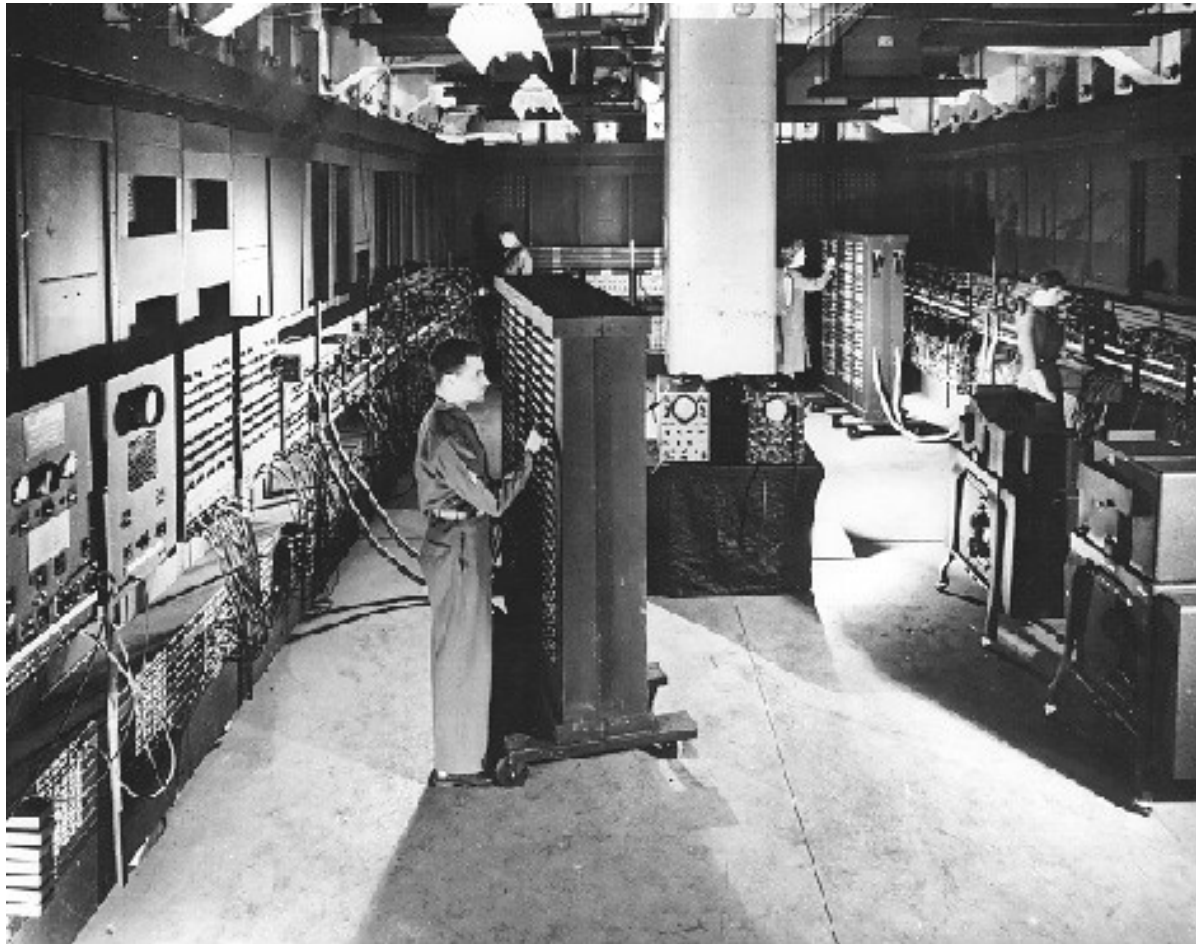
1885 St. Louis, Missouri

June 2015

1903 Detroit, Michigan

Ron Q. Smith

# Large Scale Digital Computing Starts with ENIAC



# Commercial Computing Starts With UNIVAC



**1950 ElectroData division of  
Consolidated Engineering Corp. in  
Pasadena, California**

**1946 Burroughs Research Center  
in Philadelphia, Pennsylvania**

**1954 ElectroData Corp.**

**1956 ElectroData Division of  
Burroughs, Corp.**



**Datatron**

June 2015

Ron Q. Smith



# UNIVAC 1107

- Exec I – Multiprocessing
- Exec II –  
Multiprogramming, Job  
Scheduling
- Assembler and FORTRAN





# UNIVAC 1108



- Exec 8 – Multiprocessing, Real Time, Transaction Processing
- MASM, FORTRAN, COBOL

# Mainframe Programming



**Grace Hopper**

- ALGOL and FORTRAN for Scientific
- COBOL Dominates Business
- 1100 Assembler for Real Time

# What Are They Used For?

- Engineering and Scientific Applications
- Real Time Control and Messaging
- Late 1960s and The Rise of Business Applications
  - United Airlines Transaction Interface Package (TIP) on 1108 Exec 8
  - COBOL becomes the programming language (mostly)

# The Migration To Business

- Engineering/Scientific Customers Migrate to Super Computers
- Businesses Start to Automate Processes
  - Transaction Processing
  - Security
  - Recoverability
  - Availability and Reliability

# 1986 Unisys Is Formed



## Burroughs and Sperry Merge

- Burroughs Corporation makes offer in December 1985
- Merger Completes September 1986

# What's In A Name?

The logo for Unisys, featuring the word "UNISYS" in a bold, red, sans-serif font. The letter "i" is lowercase and has a red dot above it.

- Unisys is chosen
  - Employee contest
  - Suggested by a former Burroughs employee
- **UNiversal Information SYStems**
  - Unisys is not an acronym says the corporation
- Former Sperry employees say it means  
“**UNivac Is Still Your Supplier**”

# After The 3<sup>rd</sup> Generation

- Systems Get Larger Faster
  - Semiconductor technology accelerates
  - Globalization of industries
  - Competition, the Internet, and efficiency
- Applications and databases scale up
  - Massive investment in application modernization
  - E-business



# ClearPath Plus



# On To The Future

- The ClearPath 2020 Program
  - Planning for what systems will look like in 2020
  - Design teams working now

# ClearPath

## Platform Focus

**CMOS Platforms....** Focus on high-end performance

### **Foundation attributes....**

- *Scalability, flexible I/O and memory*
- *Code compatibility*
- *Enterprise-class reliability*

### **Architectural evolution....**

- *Specialty engines*
- *Distributed functions*
- *Secure partitioning*



**NextGen Platforms....** Leverage Intel technology

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***LLBenson*, webmaster.**

# unisys