

Part I – The People
Part II – The Places
Part III – The Products

PARAMAX
A Unisys Company

LORAL
Defense Systems

LOCKHEED MARTIN

WINNIPEG REUNION 2012

August 11, 2012

SPERRY UNIVAC

SPERRY

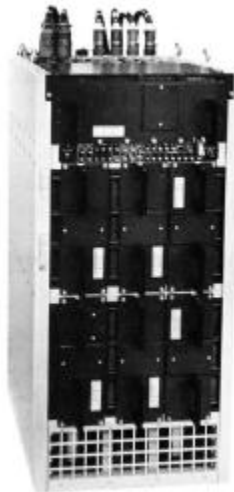
UNISYS

Unisys Defense Systems, Inc.



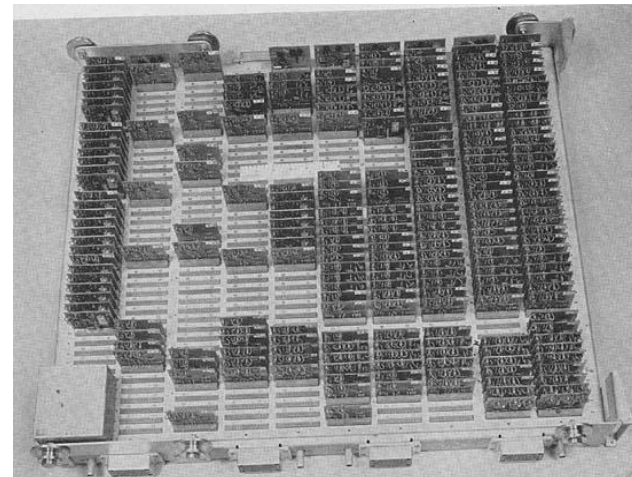
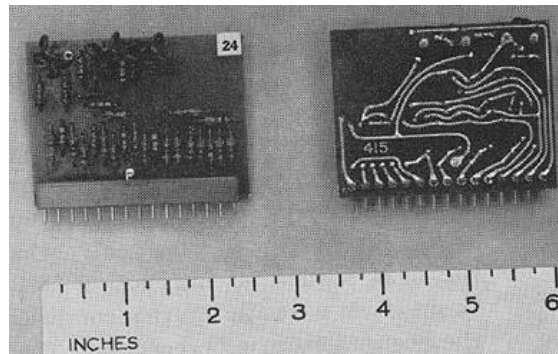
Trivia

- * What was the first product-line manufactured?
 - * OJ-172 DEAC (Data Exchange Auxiliary Console) harnesses
 - * AN/UYSK-7(V) wire harnesses and maintenance consoles



Trivia

- * What was the second product-line manufactured?
 - * UNIVAC M-460 15-pin circuit boards
 - * Deployed on the USS Iowa Class Battleships as the enhanced Fire Control System 16" guns



Remember..... “Tin Whiskers”, the by gone era

- * What are Tin Whiskers?

- * At ~50°F along with a specific salt induced humidity, tin crystals will form overlapping solder joints causing a short. Tin Whiskers were found on the UYK-7 core memory arrays and the AYK-10 mated-film memory arrays causing memory shorts during the 80's.

- * Today ask Toyota Corp regarding “Tin Whiskers” and the fly-by-wire accelerator circuit....causing the “sudden acceleration syndrome” in certain makes and models of Toyota vehicles.... Lesson learned?

Factoid

- * First Canadian products to be developed and manufactured in Winnipeg:
 - * AN/UYK-502(V) Data Processing Set, Canadian Navy
 - * AN/UYC-501(V) SHINPADS (SHIPboard INtegrated Processing And Display System), US Marine Corp, Marine Air Traffic Control And Landing System (MATCALs)



Trivia

- * What does the military equipment designation AN/UYK stand for?
 - * AN/ – Army-Navy (JETDS System)
 - * U – General utility (includes two or more general installation classes, airborne, shipboard, and ground)
 - * Y – Data processing
 - * K – Computing

Factoid

- * The Winnipeg facility was able to market and access all three services of the Canadian Armed Forces.
- * Winnipeg manufactured product lines are currently deployed in:
 - * Canadian Air Force, Army and Navy,
 - * US Air Force, FAA, Marine Corp, and Navy, and
 - * International Navies

AN/UYC-501 Serial Data Bus

Customer:	DND Canada	US Air Force	US Marine Corp
Platform:	CPF/TRUMP	ABCCC	MATCALS
No. of Systems Deployed:	19	4	17



AN/UYK-507,UYC-503,UYC-504, MU5028/U Products

Customer: DND
Platform: CPF/TRUMP
No. of Units Deployed:



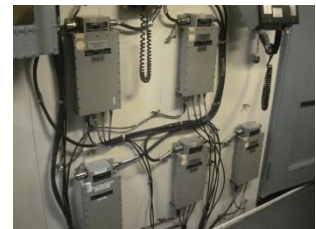
110 UYK-507s

700+ UYQ-505s including subsets

95+ UYC-503 Quad Nodes

716+ UYC-504 BAMs

66 MU-5028/U Disk Drive Units w 236 RDUs



Product Brochure: We had our moments...



MATCALs Product Line

Customer: US Marine Corps

Platform: Marine Air Traffic Control And Landing System

No. Of Units Deployed: 34 UYQ-505s,
136 UYC-503 Nodes, and
204 BAMs



AN/UYK-502 Product Line

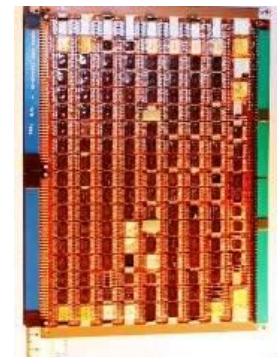
Customer: Various

Platform: Shipboard

No. Of Units Deployed: 50+ UYK-502s

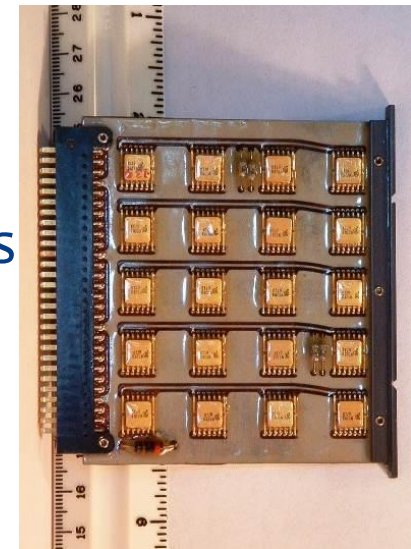
Countries Deployed:

- * US Navy
- * Australia Defence, Navy
- * Japanese Navy, ASWOC
- * Royal Thai Navy, MPS
- * Malaysian Navy, MASS



Other Naval Products

- * ~ 150 VME Single Board Nodes deployed, DND Canada
 - * System Health Monitoring
 - * Tactical Data Collection System
 - * CPF CCM6
- * AN/UYK-7 Core Memory Assemblies and CCAs
- * AN/UYK-20A (V) Core Memory Assemblies
- * Portable Cable Testers

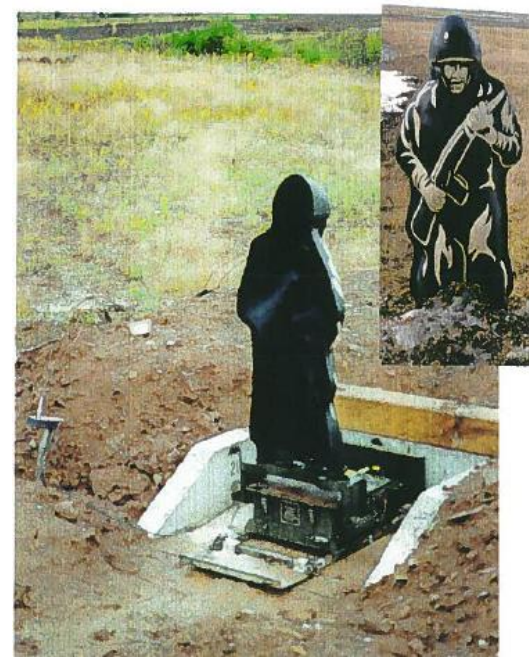


Army Product Line

- * Direct Fire Targetry (DFT) – Integrated Targetry Suite
 - * DFT home bases are CFB Gagetown, NS, CFB ASU Wainwright, AB, CFB Valcartier, QC, and CFB Petawawa, ON
 - * DFT equipment and LM personnel are also deployed to various areas in Canada, USA, and Jamaica

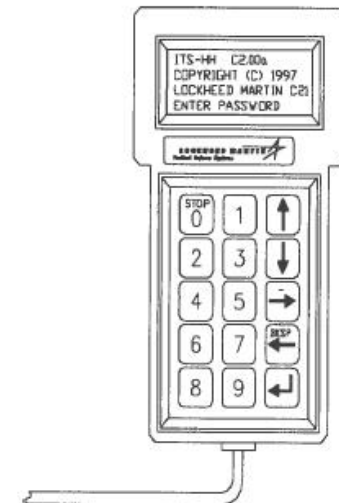
Direct Fire Targetry Systems

- * Static Infantry Target
 - * Developed using self-healing molded plastic



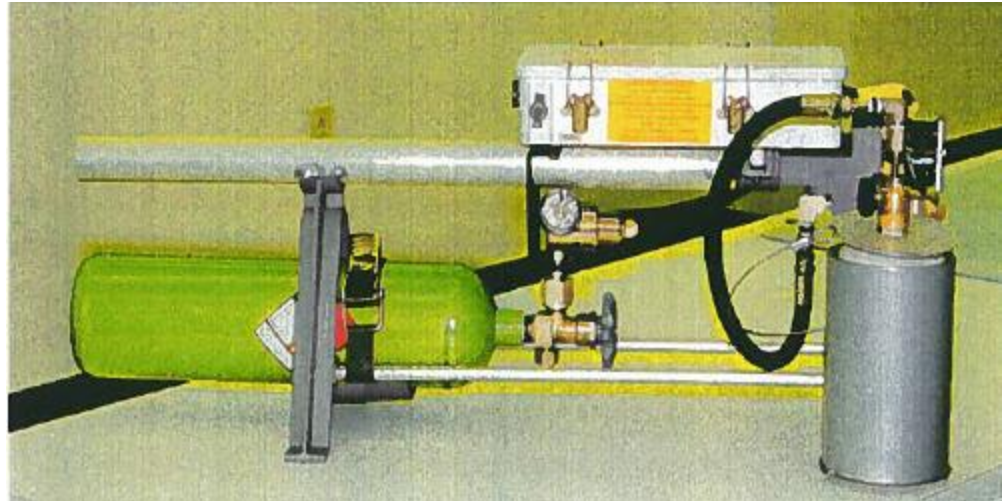
DFT Systems Cont'd

- * Hand-held Controller
 - * Radio control capable of handling multiple target systems



DFT Systems Cont'd

- * Light – Hostile Fire Simulator (L-HOFS)
 - * Provides realistic small-arms, audible single-shot and automatic rifle fire with muzzle flash and rate of 600 rounds per minute.



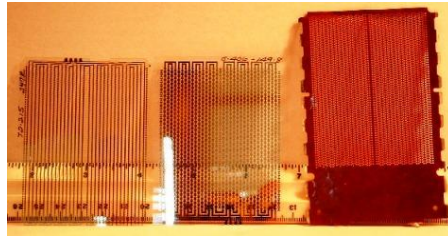
DFT Systems Cont'd

- * Moving Vehicle Target Mechanism
 - * Equipped with variety of guidance systems, wire follower GPS, or remote video
 - * Available to power thermal targets



Airborne Products

- * AN/AYK-10 (V) Double Density Mated Film Memory Assemblies



- * EH-101 New Shipborne Aircraft Combat Mission System
- * AN/AYK-23 (V) Computer Processor Memory Unit (CPMU)



Airborne Products Cont'd

- * EC-130E Airborne Battlefield Command and Control (**ABCCC**) SHINPADS SDB Inter-connect



Other Product Lines

- * FAA ARTS-III (Automated Radar Terminal System)
Power Supplies
- * VME Sensor Array Radar Scan Converter

Thanks for the great memories

* *To my friends and colleagues,
wishing you all the best!*

* - *Pogo*

* P.S. A little hug goes a long way.

