Camp Evans

InfoAge and the WWII Living Memorial
Who we are

InfoAge is a group of cooperating non-profit organizations dedicated to the preservation and education of information age technologies.
Our Mission

**Learning Center Mission:**
INSPIRE people to learn and appreciate information technology to improve their lives and employment opportunity.

**Memorial Mission:**
HONOR the WWII accomplishments and service of Signal Corps veterans in the very same buildings key WWII Decisions and history was made.
The Challenge

“One ought to be ashamed to make use of the wonders of science embodied in a radio set, while appreciating them as little as a cow appreciates the botanic marvels in the plants she munches”
- Albert Einstein, August 1930

“The 20th century was invented in New Jersey”
B. McGovern 1998

“Radar won the war, the bomb ended it”
Every radar worker 1945
Foundation

CAMP EVANS

Marconi Wireless Corporation of America - Belmar High Power Station 1912 - 1917

The Signal Corps Radar Laboratory 1941 - 1998

The King's College 1936 - 1941

Monmouth Pleasure Seekers Association / KKK 1926 - 1936

RCA Radio Station 1918 - 1926

U.S. Naval Radio Station 1917 - 1918

Native Americans
History...

American Marconi Belmar Station
* Test Site for Armstrong’s Regenerative Circuit
* Roy Weagant anti-static development
* Ernst Alexanderson antenna development
* Harold Beverage antenna work
* WWI Naval Communication Center
* A. Hoyt Taylor - Transatlantic Comm. Officer
* WWI - Communications for Armistice negot.

Monmouth Pleasure Seekers
Kings College
* Radio Preacher Percy Crawford

WWII Signal Corps Radar Laboratory
* Engineers created Pearl Harbor Radar
* SCR-268, 270, 271 Radar
* Field Hardening Labs
* IFF Testing
* War winning vacuum tubes
* Spy radios
* SCR-584
* Project Wolf
* V2 and enemy equipment analysis
* Nazi Spies
* George
* AN/TPS-13 & A-Bomb Triggers
* AN/TP3 - 96 hours – mortar locating radar
* D-Day Radar Fake
* Proximity Fuze

Project Diana
* First Contact with the Moon
* Opening of the Space Age
* Birth of Radar Astronomy
* Transistor Laboratory
* A-Bomb detection

Sputnik Tracking
* Institute for Exploratory Research

Early Army Satellite Payloads
* Vanguard I & II
* SCORE
* Courier 1B
* Tiros I & II Ground Control Center – 1st Hurricane
* Nuclear batteries

Site of the Senator Joe McCarthy - U.S. Army face-off

Soviet and U.S. Satellite Tracking
* Pioneer V
* Hand-held Radar
* Guardrail

Army Development Projects
* Radiosones
* Star Wars Super Laser
* Droans
* Firefinder
* Rembas
* J-stars
* Nucleonics - Dr. Kronenberg - DOD Mad Scientist
What has been Done

- Vision Created
- Reuse Plan Approved
- Consortia Created
- Township Support Established
- Website Created and Growing
- Relationship with Fort Monmouth, Historian, ICON
- Message Communicated by Supportive Media
- Infrastructure in Place and Being Improved
- Camp Evans Historic District Established
- Historic Surplus Property Application Approved
- Archive, Library and Collections Begun
- Key Assistance provided by Congressman Smith, PreservationNJ & NTHP
- Site Work and Program Development Begun
- Educational Grants Awarded by NASA and Verizon
- Preservation Grants by Harris and Monmouth County
- Concept Center and Diana Site in Use
- 12 rooms of exhibits and 7 building in use.
Where We Are Going

1) InfoAge™... “The FUN-Z-UM™”

2) Platform for Groups to Contribute to Informal Science Education:
   More cost-effective to more people over longer time

3) Memorials & Hall of Fame (Historic Preservation):

4) Historical Archives and library

   “Just electrons & waves”
Benefits

Motivation

Inspiration

Education

Preservation

Our kids given a place to distinguish themselves
Wireless Girdle

Nature’s Ether (ionosphere)

Wall, NJ

Carnarvon, Wales
The Great War

Radio Act of 1912 x2
U.S. Naval Radio Station at Belmar
- Trans-Atlantic Communications Center
- 1st to contact France, Italy and Germany
- Coding / strange wireless sounds
- Radio Propaganda
- Anti-static circuits
- War shortened by wireless

August 15, 1945
RCA – Clark Collection
Smithsonian
The end of towers…
Time of Fun / Education / Vision

Monmouth Pleasure Seekers
1924-1936

W W I -> airpower

Fort Monmouth ->
Fort Hancock ->>
The Signal Corps Radar Laboratory
Camp Evans – 1941 to 1945

Lt. Col. Paul W. Evans
December 7, 1941

SCR-270 detected enemy planes 50 minutes prior to attack…

The value of radar was proved beyond question…..

Historical Electronics Museum
Opana – SCR-270

Army Radar on U.S. Nordic - Panama

SCR-584: Prototype

Army Radar – Monmouth County’s Unique Contribution to the WWII Victory
Protect the Canal!! The Capital...
War Bond and rationing

Black-outs : U-boats : spies
Enemy Equipment and Countermeasures

Route 34 ‘chaff’ – ‘window’ tests
Mortar Counter fire – AN/TPS-3

Used in Pacific and D-Day in Europe
SCR-584 / IFF / Proximity Fuse

1) Long – Haired Scientists
2) Tizard Mission
3) Cavity Magnatron
4) MIT
5) Camp Evans
6) Anzio
7) Landed at D-Day
Research and Invasion Preparation

Improve – Improve – Improve

Special Projects: Wolf, Eureka, sound-locator, Spy radios, D-Day Deception, Anti-Kamikaze Radar
Radar – Major reason of Victory

“Electrons Away”
Evans... CENTER OF...

PHENOMINAL DEVELOPMENTS

Director

In addition to the extensive experimental and development work on radar components and systems, Meteorological, RDF, and Sound and Light equipment, Evans Signal Laboratory is responsible for the technical coordination of all problems pertaining to the more

Radio Set SCR-584 (left), probably the most versatile Radar set used in World War II, shown with IFF (Interrogation, Friend or Foe) Radio Set RC-154, used primarily to identify planes.

The Receiver and Bearing Indicator of Radio Direction Finder SCR-291-A are shown installed in shelter.

Antennas and Shelter of SCR-291-A prepared for operation.
Who... the citizens of Monmouth County
Where...

PROTOTYPE ENGINEERING...
HEAT, COLD, VIBRATION, HUMIDITY,
SALT, SIGNALS....
PRODUCTION ENGINEERING...
DOCUMENTATION, SPARES...
CONTRACTS, TRAINING....
PRODUCTION MONITORING..
FIELD ANALYSIS...
War is Over, New Threats

- Cold War
- V-2 and Soviets
- Paperclip Scientists
- Korea – AN/TPS-3
- Listening Center for Soviet Atomic tests
Communist Scare

• Sen. Joseph McCarthy
Space Research

Project Lunchbox

ROOSCH

Component vacuum testing
Weather Science & TIROS
Nuclear Research

- Atomic Tests
- Robot Weasel
- Radioisotope Space Batteries
- Radiation detectors
Vietnam & McNamara Line

REMBAS
Other Projects

- FireFinder
- J-Stars
- PowerPulse
- Laser applications
- Nightvision
- GPS
More History…

www.infoage.org
The Future

• Camp Evans a SCIENCE-CENTER
• Soon a center for kids
Plan

Leverage History
Government Programs
Gifts of Members
Usage Fees

Site “Paid for”
Buildings built
Highway Access
Parking
Security
120,000 sq. ft.
An industry
53 school districts
Dedicated Volunteers and friends
Getting the Message Through

Work, work, work....
Repairing for Education
Volunteers Making It Happen
How you can help

• Every Dollar and gift of Time / Ingenuity –
  – Honors veterans
  – Preserves a historic site
  – Helps education
  – Helps Shore Tourism
Thank you