



AF Life Cycle Management Center



AFLCMC... Providing the Warfighter's Edge



McCook Field Centennial

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**Air Force Life Cycle
Management Center
Wright-Patterson Air Force Base**



Objective & Goals



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Objective: Organize activities & events to commemorate McCook Field 100th Anniversary

GOALS

- 1. Increase awareness of our legacy of engineering & technical excellence**
- 2. Promote local area and base history**
- 3. Highlight impact of USAF/AFLCMC Engineering and R&D on local area & national defense**
- 4. Take advantage of anniversary and related activities to further promote STEM education**
- 5. Formally commemorate McCook Field site with a lasting monument**



Background



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- **McCook Field opened 4 Dec 1917**
 - **1st consolidated location for US Army Aviation Engineering and Research**
 - **Established as US Army Airplane Engineering Department (Engineering Division in 1919, Materiel Division in 1926)**
 - **“Cradle of Aviation”**
 - **National center of aviation R&D**
 - **“Dayton is to aviation as Silicon Valley is to computers”**
- **100 years of Air Force Engineering & Technology presence in Dayton**



Background



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- **McCook was located northeast of downtown Dayton**
 - Current site of Kettering Field ballpark
 - Next to SR 4 and I-75 interchange
- **Operations moved to Wright Field in 1927**
- **Life Cycle Management Center Engineering Directorate and several other organizations at WPAFB trace roots to Airplane Engineering Department at McCook**



From McCook to WPAFB

Economic Engine

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- **Largest Single site employer in Ohio**
- **8,145 Acres, 590 Buildings, 3 Runways**
- **27,500 Employees (Mil/Civ/Contr)**
- **\$2.2 Billion annual payroll**
- **115 Tenant Units**
- **Home to AFMC; executes almost 40% of USAF Budget**
- **\$4.3 Billion total economic impact per year**
- **NMUSAF - Average 1M annual visitors**





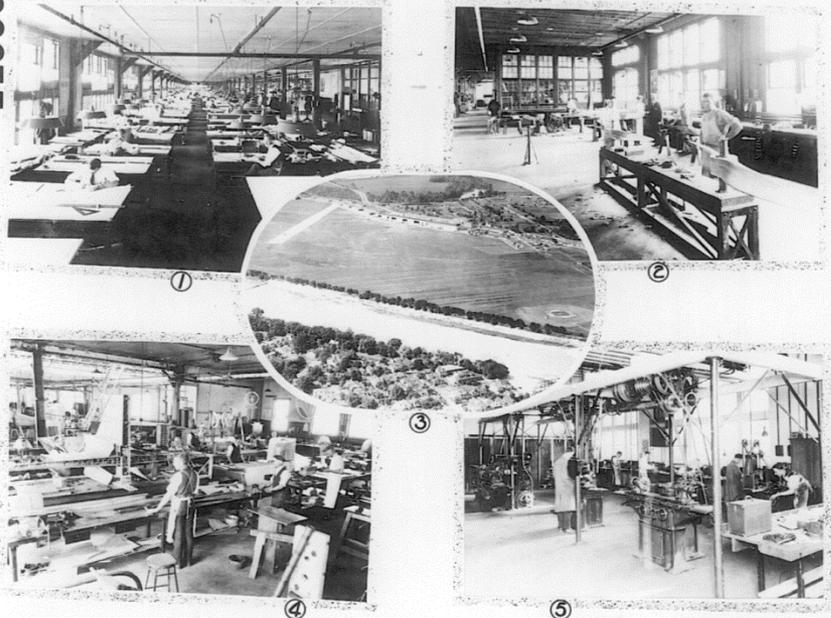
McCook Activities & "Firsts"



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- Aircraft structural testing
- Aircraft propeller designs
- New aircraft designs
- Wind tunnel testing
- Aircraft instruments
- High altitude flight testing
- Aerial photography
- Manual bail-out parachute
- Aerial spraying
- Aircraft armament
- Aircraft engine R&D
- Aircraft fuels/lubricants
- Air Service Flight Test Center

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FUNCTIONS OF THE ENGINEERING DIVISION

- 1 - Designing And Drafting Department
- 2 - Propeller Shop Where Airplane And Airship Propellers Are Constructed
- 3 - Aerial View Of The Engineering Division M^c Cook Field
- 4 - Metal Shop Where Metal Airplane Parts And Aeronautical Equipment Is Made
- 5 - Partial View Of The Machine Shops





“This Field is Small, Use it All”



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ENTIRE PERSONNEL OF THE ENGINEERING DIVISION
OF THE AIR SERVICE, MCCOOK FIELD, DAYTON, OHIO

- **Air Service outgrew facilities and location at McCook**
- **Community effort kept McCook R & D operations here in Dayton with purchase and donation of Wright Field (now WPAFB, Area B)**
- **This is a community celebration**



Multiple Organizational Celebrations



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- **Several on-base organizations are planning internal anniversary activities**
 - **AFLCMC Engineering Directorate**
 - **Air Force Research Laboratory**
 - **National Air & Space Intelligence Center**
 - **88th Air Base Wing**
 - **National Museum of US Air Force**



Proposed 2017 Activities



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- **AFLCMC/EN-EZ is reaching out to both on-base and off-base organizations to plan Centennial events**
- **Organizations include:**
 - **AFRL, 88th ABW, WPAFB Educational Outreach Office, NASIC, USAF Museum**
 - **Dayton Development Coalition, National Aviation Heritage Area, AIAA Dayton-Cincinnati Section, Aviation Trail, Inc., City of Dayton, McCook Field Neighborhood Association, National Park Service, Wright State University, Dayton History, ASME Dayton Chapter**



Proposed 2017 Community Activities



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- **Mini Conference/Seminar- March 2017**
 - Highlight history, technology legacy and future
 - Leveraging local AIAA Seminar; Tom Crouch, Key Note
- **Anniversary Banquet/Celebration- April 2017**
 - May leverage Aviation Trail Inc., Trail Blazer Luncheon
- **WPAFB base-wide 100th Anniversary event at Aero Carnival- September 2017**
- **Potential Aviation Hall of Fame Recognition- Oct 2017**
 - Spirit of Flight Award nomination package submitted



Proposed 2017 Community Activities



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- **McCook Field site commemoration- October 2017**
 - Installation of Ohio historical marker and/or new monument
 - 5K run
- **STEM traveling display- Various events through 2017**
 - Leverage local events, Tech Fest, Wright STEPP, Airshow
 - Promote STEM and local connection to aviation technology heritage

- **An Ohio Historical Site marker has been secured for installation at the site in 2017 by the City of Dayton**
- **Ideally, a more substantial monument is desired to commemorate the site**



Example of Ohio Historical Marker



Updating Historical Marker at McCook Site

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The historic significance of this site calls for a more appropriate monument.



Current McCook Field Marker (14 Jul 15)



Dayton Softball Hall of Fame Monument Nearby 13



2017 LOGO



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