

827 RADAR SQUADRON (SAGE)



MISSION

LINEAGE

827 Aircraft Control and Warning Squadron
Redesignated 827 Radar Squadron (SAGE)
Inactivated

STATIONS

Keno AFS, OR

ASSIGNMENTS

COMMANDERS

Maj G.I. Nelson, #1963
LTC John P. Mize, #1966

ASSIGNMENTS

COMMANDERS

HONORS

Service Streamers

Campaign Streamers

Armed Forces Expeditionary Streamers

Decorations

EMBLEM

MOTTO

NICKNAME

OPERATIONS

OREGON

TM-180/Z-180/J-82 - Keno, Klamath Falls

In 1959 the 827th AC&W Squadron began operating an AN/FPS-20A and a pair of AN/FPS-6A height-finder radars. In June 1960 Keno joined the SAGE system. In 1960 Keno also was performing air traffic control duties for the FAA. In 1961 the search radar was upgraded and redesignated as an AN/FPS-67. In 1963 an AN/FPS-90 replaced one of the AN/FPS-6 height-finder radars. In 1979 the site came under TAC jurisdiction.

827 Keno AFS, OR FPS-20A; FPS-67; FPS-6A; FPS-6A/-90FPS-67B; FPS-6A; FPS-90. (FPS-67B only for JSS) 1959 BUIC-III. 827th Air Defense Group inactivated 30 Sept 1979. FAA joint-use site now, called "Klamath Falls" (data-tie only); FPS-90 sent to Salem, OR, JSS site (Z-345).

In 1959 the 827th AC&W Squadron began operating an AN/FPS-20A search radar and a pair of AN/FPS-6A height-finder radars. In June 1960 Keno joined the SAGE system. In 1960 Keno also was performing air-traffic-control duties for the FAA. In 1961 the search radar was upgraded and redesignated as an AN/FPS-67. In 1963 an AN/FPS-90 replaced one of the AN/FPS-6 height-finder radars, and the search radar was further upgraded to the AN/FPS-67B version. In 1979 the site came under TAC jurisdiction. In this time frame, the AN/FPS-90 was removed and sent to the new JSS site at Salem (Laurel Mtn./Dallas), OR. The remaining height-finder radar, now an AN/FPS-116, was retired circa 1988.

827th Radar Sq (SAGE): activated ca. Sep 57 at Kingsley Field, OR, assigned to 28th AD; site redesignated to Keno AFS, OR ca. Feb 58; transferred to 25th AD 1 Mar 59; site redesignated back to Kingsley Field, OR in 59; transferred to Portland ADS 1 Mar 60; redesignated from ACW Sq to 827th Radar Sq (SAGE) 15 Jul 60; transferred to 26th AD 1 Apr 66; reassigned to 25th AD 15 Sep 69; inactivated 1 Mar 70.

The 827th is located at Keno Air Force Station atop 6500 ft Hamker Mountain, 23 road miles from Kingsley Field. The radar unit has administrative offices at Kingsley and transports its airmen to radar site by military bus each day.

The unit's mission is to maintain a long range radar site with communications and electronic equipment providing surveillance and height determination data to the direction center of the 25th Air Division.

The unit has both search and height range radar. The search antenna rotates 360 degrees at a constant speed continually searching for a possible intruder. It determines distance, heading and speed of all aircraft within its assigned area. The height range radar antenna nods continually up and down and can be rotated in any direction to the exact compass degree required.

Data from the radar equipment is fed to a computer which provides instantaneous semi automatic processing. The information is then flashed to the direction center at the division SAGE building at Corvallis, OR. The information can then be used to vector a fighter interceptor aircraft to the area of the suspected intruder.

Unit is one of the selected group of radar sites to utilize the new Back Up Interceptor Control (BUIC) computer System.

Air Force Lineage and Honors

Created: 29 Jul 2020

Updated:

Sources

Air Force Historical Research Agency. U.S. Air Force. Maxwell AFB, AL.

Unit yearbook. *25 NORAD Region. 1963.*