

Construction Plan of the King Salmon Radar

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We have resolved problems on the environmental assessment and minor objections from local people. The official lease was issued by the US Air Force and the construction plan has started. We are hoping to build the antenna late in August or early in September near the fire station of the King Salmon Air Force Base (photograph 1). The data may be added to the SuperDARN data base within 2000.

The King Salmon radar system consists of the CUTLASS radar from University of Leicester and of a log-periodic antenna with wire elements (photograph 2). The antenna is new in the SuperDARN community and is expected to be tough in strong wind.

As a future plan, we are considering a radar at Stekolny in Far East Russia that will look at the region covered by the King Salmon radar (Figure 1).



Photograph 1
Antenna site near the fire station at King Salmon Air Force Base

Photograph 2
Log-periodic antenna with 20-m tower and wire elements between the towers.

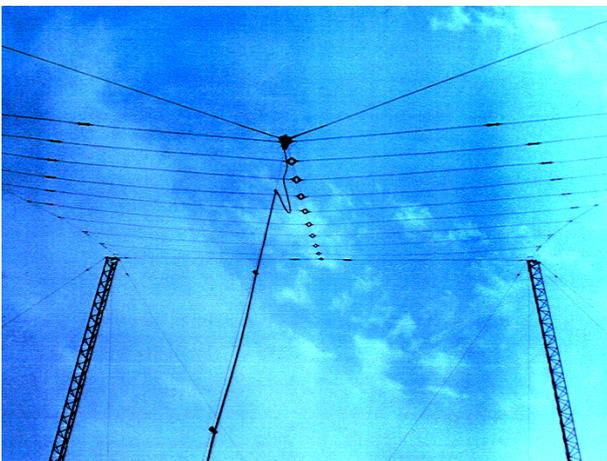


Figure 1
Field of views of the Kodiak (in operation) and King Salmon (scheduled) radars and of a planned radar in Russia.

