

# **A Design for a Portable SETI Antenna using a Reflector-Lens**

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## **Abstract**

Not everyone can have a big parabolic dish permanently mounted in their backyard. This paper presents the design for a portable 1.2 to 1.5 GHz antenna that can be stored indoors and is easily moved outside and set-up by one person. The design provides about the same gain as a four-foot parabolic dish, but is light-weight and is only a few inches wide allowing for easy storage. This antenna consists of a dielectric lens mounted to a flat reflector and is based on a concept first described by J. D. Kraus, W8JK.