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ARRL FOUNDATION
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The SETI League, Inc.

a nonprofit educational and scientific corporation
Searching for Extra-Terrestrial Intelligence

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Gentlepersons

The SETI League, grassroots leaders in the privatized Search for Extraterrestrial Intelligence, would like to apply for a grant from the ARRL Foundation to help us complete our Array2k radio telescope.

Array2k is a new kind of radio telescope that will combine 16 or more standard satellite TV antennas into a single powerful radio telescope, at a fraction of the cost of a single giant dish such as those at Green Bank and Jodrell Bank. Our preliminary budget estimates that the hardware and electronics for Array2k will cost \$160,000.

SETI League members are encouraged to build their own amateur radio telescopes, using discarded TV satellite dishes. We provide technical information and advice via our website, via direct response, and via an email discussion group. Array2k will be used to support the individual efforts of The SETI League's 1250+ members worldwide as a follow-up detection device to help confirm their observations. Array2k will also be used for direct astronomical research, and will serve as a test-bed for SETI League engineers to develop the technologies that will someday allow us to unite thousands of members' small, backyard telescopes into a huge, planetary array.

The SETI League's design builds upon the pioneering work of Prof. Ron Bracewell and Govind Swarup at Stanford University some forty years ago. To date, we have received donations of a site (in northern New Jersey) and 47 six-foot dishes and mounts (which, while smaller than our original design calls for, will be invaluable for proof-of-concept). Our fundraising campaign began last year, and has so far raised over \$20,000 from our members. Our preliminary budget calls for a total of \$160,000 to get Array2k up and running.

Information on The SETI League and on Array2k is enclosed. We should be happy to supply any further information you might require.

Yours sincerely,

Heather Wood
Secretary