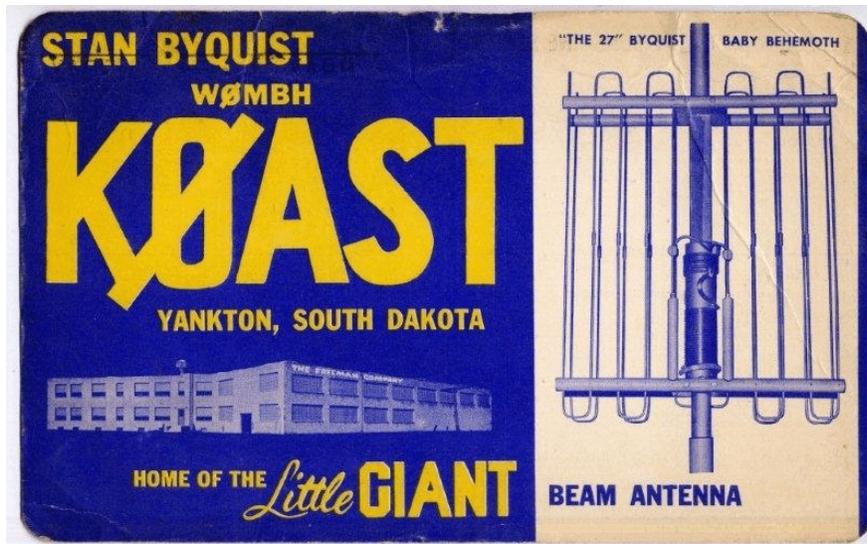


Byquist, Stanley H. K8VRM - *1904-1986* Little Giant antenna inventor - Stan an old time ham radio operator who has held calls such as 9ABH WØMBH and KØAST. Born 1904 in Bloomington IL., to John and Halda Larson Byquist. Stan developed his antenna designs during the war and perfected it in the late 1940s. He started with a full sized 40 meter yagi and collapsed the elements into S shapes. Stan's research disclosed that the spacing between the reflector and driven element

worked best at 4 inches. He used a load-splitting device and impedance matcher, grounding the reflector at the center as in a Yagi. The critical height of the S curves turned out to be 27 inches, hence, the present dimensions of 27 inches in height and 22 inches width and 4 inches in thickness.



The antenna was first commercially marketed by the Freeman Corp., RCA distributor for South Dakota,

in the 1950s. Initially promotion was by word of mouth and by talking it up on the air, but Stan eventually introduced the antenna in a CQ ad in 1957.

Stan is an interesting and personable fellow who has also branched out into the marketing of such diverse equipment as CB hardware, custom electronic cabinet enclosures and an amateur trans-match kit under the name Apollo Products.

Right now the Little Giant trade accounts for about 85 percent of Stan's electronic business, while the CB oriented Apollo Products trade accounts for but 15 percent, reflecting current trends in CB hardware and accessories. Stan relates to us that his Scandinavian name, Byquist, means "Village Twig" and he uses that translation as a sort of nickname for his companies on his business letterhead.

It was stated we endeavor to bring out the various eye catching and unique systems. We don't pass judgement on the products but leave it to you to draw your own conclusions. Our function is to introduce and describe products, not to endorse, sell or criticize them.

Stan's 40 meter version of the Little Giant basically was a compressed $\frac{1}{2}$ wave system, with the Yagi elements, collapsed into s-shapes and resonated to frequency using a slider adjustment on the loading impedance matching coil. The antenna was said to be weather proof, adaptable to vertical and horizontal polarization and capable of handling more than 1 Kw rf in addition to the version described, a smaller 20-10 meter antenna is available that is but 13.5 x 12 x 3, the 80 meter model is large 27 x 44 x 4. Antenna tuning is sharp; it must be re-tuned at the loading coil for frequency excursions of more than 50 khz. Coax fittings are provided on all models. Lima Ohio News Jan 1986 - Stan Byquist age 81 expired, operator of Apollo Products, survivors include 2 sons, two daughters and His wife Letitia expired only one week later at age 79. Credit W8MTC QSL card and comments about Stan and his business from QST articles.