

REMARKS OF VICE PRESIDENT W. O. BAKER ON  
PRESENTING THE JANSKY ANTENNA REPLICA TO  
ASSOCIATED UNIVERSITIES AT THE NATIONAL  
RADIO ASTRONOMY OBSERVATORY IN GREEN BANK,  
WEST VIRGINIA, ON MARCH 17, 1966.

It is of course a great delight to be here with all these important and exciting evolutions of what Karl Jansky got started so many years ago, and my colleagues in the local telephone company and also from the somewhat more distant Chesapeake and Potomac companies are especially welcome to symbolize the very grateful role of the telephone industry in being associated with this kind of scientific discovery. Now everybody wonders you know a little bit what Karl Jansky was doing looking for emanations from outer space in a telephone laboratory. It's a little bit like the old lady who told her friends "I'm a bit worried about my husband - he sits in the living room all day dangling a fishhook in a pail of water - you know I'd speak to somebody about it, except that we need the fish". Karl caught the fish and you all are keeping the whole thing going of course in just that way, and it was in fact in a work report of November 1930 when Karl Jansky had just begun his work at the Laboratories, at first Cliffwood and then at Holmdel nearby - that he said, according to the survey of his notes by George Southworth, his close friend, the discoverer of waveguides, that some static seemed to come from 13° south of west in November of 1930 and he remarked in his notes -

"there was no disturbance evident on the weather map". Now as you know from the things that they've issued and the others are doing here there is a lot of disturbance in other places, and this is what he found. And so, it is particularly also delightful to have Al Beck, who worked with him, here, and Al, acting on some suggestions that you all are well aware of, and that George Southworth was the intermediary for, suggestions that came from Grote Reber whose fine instrument sits over yonder, acting on those suggestions that Karl's instrument be reconstructed, that Al undertook to do this, and he and Mrs. Beck are here just seeing that it all turned out as they had hoped and Al says that the gear box is indeed one of the original pieces of equipment and this, of course, is in honor of the Chairman of the National Science Board, a design engineer among other things, of no small repute, you see, who feels that such facilities are indeed enduring, and this proves that they are. And so with Al's certification that this is indeed a suitable reconstruction and partial replica of the instrument with which radio astronomy was discovered and with the salutation to this group of universities, to the National Radio Astronomy Observatory, to the National Science Board and to Associated Universities, at having assembled in one place the birth signs, the original infant form and then the most advanced and most sophisticated modern

forms of a whole science, we, with great gratitude for the opportunity, transfer this instrument to the Associated Universities, and to Dr. Glennan.

REPLY BY T. KEITH GLENNAN:

Thank you very much, Bill. I think that from these small acorns the big oaks do grow and we hope that over the years ahead of us that Dave (Hess<sup>e</sup>schen, Director of NRAO) and his people and other people around the world have an opportunity to build on these small beginnings.