

PRIVATE

July 25, 1962

Notes on Future Work for Pawsey - for Discussion with Wilde

*(Not shown to Mr. Wilde)*

1. Wilde has a large array under design and has financing for construction. Pawsey thinks it will take two years to complete. This will be a good instrument in the Southern Hemisphere.
2. The U.S. needs to study similar instruments for North America. The U.S. study must set objectives, general specifications, and possible methods of implementation. As I understand it, some experimental work is necessary, e.g. signal propagation, stability, etc. at ground level. NRAO is interested and should do this during next year or two. Site location studies are also necessary. (GreenBank is not necessarily the best location.) Such a study is a natural for the National Observatory.
3. With Wilde's work in Australia and with Pawsey in Australia, a "cooperative" study might be useful. NRAO personnel could go to Australia for short periods and CSIRO staff could come to Green Bank. This could be fruitful for 1-2 years. After that construction at a U.S. site would be necessary. Such a study would capitalize on Pawsey's contributions over the next year by which time his own physical condition and future productivity can be reevaluated.
4. I had planned to write White along these lines so they could have more flexibility in helping Joe with a work program. (I gathered from Pawsey that he would prefer communication with White to Bowen!) Wilde should be able to carry these ideas back; however, check with him ~~and~~ re desirability of a letter to White.