

ASSOCIATED UNIVERSITIES, INC.

350 Fifth Avenue

New York 1, New York

22 August 1956

MEMO TO: F. T. Haddock
D. S. Heeschen
M. B. Karelitz
R. J. Kochenberger
D. P. Lindorff
W. E. Meserve
E. J. Poitras
J. F. Reintjes
C. H. Wilts

FROM: Richard M. Emberson

SUBJECT: Conference on Radio Telescope Drives and Controls
and Design Parameters

1. Sufficient material has accumulated that I feel it is time for us to meet informally to discuss the most promising solutions that are available for the drive and control of a 140-foot alt-azimuth telescope.
2. As indicated in an earlier memorandum, studies are also underway on equatorial designs for a 140-foot telescope. Although an equatorial telescope does not require coordinate conversion for most observing programs, in all other respects the smoothness and precision of the drive and control should be the same as for an altazimuth telescope. I hope to have structural consultants assembled in September to review and discuss the equatorial/alt-azimuth design problems. It seems highly desirable that drive and control considerations enter at an early stage. Accordingly I propose to schedule this discussion on the day following our review of the altazimuth drive and control situation.
3. To facilitate planning and insure as large attendance as possible, please return to me at your earliest convenience the enclosed form. The same form is being used to obtain scheduling information from the structural consultants. Please remember, therefore, that in your case we are trying to determine the best pair of days.

Copy to C. F. Dunbar