

Speech 3-5-48

Study of stars, constellations, equatorial coordinates.

1. Spiral in Andromeda,
Maxwell, Hertz, Oliver Lodge. Lecture 1894
Royal Soc. "Signalling without Wires", Ser. 1.
2. Jansky Antenna 1932 (discovery) 20.5 mc.
motion in azimuth
3. Wheaton Mirror 1937 meridian transit mounting
4. Recorder System
5. Sample traces
6. 160 mc contours (galactic coordinates)
7. Data at 0° Galactic latitude vs longitude
8. Messier 101
Proceedings from ground. Now climb out on limb
Theory of luminous fog, formic acid, optical depth.
9. 20.5 mc data } same techniques, 1932
10. 60 mc data } 1945
11. 64 mc data high resolution 1947
12. 160 mc data " " 1943
13. 480 mc data " " 1946

(summary)

Sum

20210

Jansky experience

14. 160mc traces 1943 10⁶ degrees.

15 " "

Southworth 2x10⁴ deg

16. 480mc sample outburst

17. Solar intensities versus time.

18 Radiometer } equatorial mounting

19 " }

20 " }

Bureau Program