

matching disadvantages of radio navigation, which likewise can be blocked by bad "radio weather."

Part II deals in detail with Airborne Radar, Part III with Ground-Based Radar, and Part IV with Shipborne Radar. There is a 7-page index.

Perhaps the general reader will find most interest in the photographs of the PPI, which offer a type of map which is still novel to most people. In particular, from airborne radar, small-scale approximate maps of built-up areas of cities can readily be secured (e.g. Fig. 3-4, Hartford and others). These well may prove of advantage to demographers and regional planners. This reviewer may be pardoned for comparing the complexity of radar in World War II, which measured to micro-seconds times of arrival of radio waves, with the primitiveness of our old sound-ranging in World War I, which measured to hundredths of seconds the arrival of sound waves—and which was regarded then as one of the most intricate types of combat equipment. Developments based on it have proved invaluable in finding oil-rich geological structures underground. Apart from navigation, what new peacetime successes will radar have? Already radar plays a growing role as an astronomical instrument, and the microwave techniques are contributing importantly to spectroscopy.

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