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The papers in this symposium, presented in somewhat abbreviated form at the AAAS Meeting in Philadelphia, will help those wishing to enter this field, especially in the design and construction of equipment. The material—and the bibliography included with the first paper—will also prove invaluable to those actively working in the field. Although the number of contributors is limited, the papers cover developments around the world.

Dr. Linnell, who covers direct current techniques, constructed a photoelectric photometer still in use at the Boydên station in South Africa, and while at Harvard used this in the study of the faint and unusual eclipsing variable, UX Ursae Majoris. His present work involves the development of techniques using subminiature tubes.

Dr. Hall—alternating current techniques—is co-discoverer of the phenomenon of the polarization of the light of certain stars, and was the first astronomer to demonstrate the value of refrigeration of photocells.

Dr. Blitzstein constructed the first pulse-counting photometer for astronomical use and applied it to the observation of eclipsing variables.

Although Dr. Bengt Stromgren of the Yerkes and McDonald Observatories reviewed foreign developments at the Philadelphia meeting, this volume includes papers written by M.M. Lellemand and Lenouvel on work at the Observatoire de Haute Provence and by R. O. Redman, Director, and G. G. Yates of the Observatory at Cambridge University.

Dr. Walraven of Leiden describes the work with servomechanisms carried out by him at the Union Observatory in Johannesburg.

Dr. Whitford, who supplies the critical summary and evaluation of future developments, has been considered an outstanding authority in this field for many years. His introduction of the constant deflection method using electrometer tube techniques marked a major advance.

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