

**WOLF-RAYET STARS: OBSERVATIONS, PHYSICS, EVOLUTION**

C. W. H. DE LOORE and A. J. WILLIS (EDS.)

This volume, containing 80 papers and 10 invited reviews presented at the 99th IAU Symposium, held at Cozumel, Mexico, concentrates on new observational results of Wolf-Rayet stars in all wavelength regions (visible, ultraviolet, infrared, X-ray, and radio). On the observational front, the comparatively recent advent of sophisticated space instrumentation such as the IUE and Einstein satellites, have enabled the first detailed observations of many stars to be made at ultraviolet and X-ray wavelengths, whilst improved ground-based techniques and new telescopes have extended our knowledge of the stellar wind Infrared and Radio emissions as well as bringing many Wolf-Rayet stars in the Magellanic Clouds under detailed scrutiny.

These observational advances have been accompanied, and often stimulated by, significant advances in the theoretical interpretation of Wolf-Rayet spectra and theoretical studies of the evolution of massive single stars and binary systems in which mass loss and/or mass exchange play a significant role.

Also dealt with in the book are: chemical composition, evolutionary aspects for single stars and binaries, nebulae and rings around Wolf-Rayet stars, mass loss rates, dust shells, coronal models, observations of Wolf-Rayet stars in the galaxy, magellanic clouds, 30 Doradus, in open clusters, in M31. Time dependent X-ray observations of Wolf-Rayet stars with the Einstein Satellite are also reported.

*Audience*

The book will be of interest to astrophysicists, astronomers, physicists and mathematicians.

**D. REIDEL PUBLISHING COMPANY**

DORDRECHT : HOLLAND  
BOSTON : U.S.A. / LONDON : ENGLAND