

# Modern Astrophysics

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# Modern Astrophysics A Memorial To Otto Struve

**Margherita Hack**



## **Modern Astrophysics A Memorial To Otto Struve:**

**Modern Astrophysics; a Memorial to Otto Struve [Edited] by M. Hack** Margherita Hack (ed), 1967 *Modern astrophysics* Margherita Hack, 1967 *Biographical Memoirs* National Academy of Sciences, 1992-02-01 Biographic Memoirs Volume 61 contains the biographies of deceased members of the National Academy of Sciences and bibliographies of their published works Each biographical essay was written by a member of the Academy familiar with the professional career of the deceased For historical and bibliographical purposes these volumes are worth returning to time and again

**NBS Special Publication** ,1970 **Technical Highlights of the National Bureau of Standards** United States. National Bureau of Standards, 1969 *Annual Report of the National Bureau of Standards* United States. National Bureau of Standards, 1966 **International Aerospace Abstracts** ,1968-03 **Hydrogen Deficient Stars and Related Objects** K. Hunger, Detlef Schönberner, N.K. Rao, 2012-12-06 The first helium star was discovered in 1942 the first scientific meeting on the subject however took place in 1985 The meeting was hence long overdue for in the meantime a substantial amount of material had been accumulated by a rather small but active scientific community Hence it appeared necessary to review the field in order to define the subject assess its present status and discuss future developments Hydrogen deficiency is a widespread phenomenon occurring in a large variety of stellar and nonstellar objects It can be readily detected in B stars as these exhibit both hydrogen and helium lines if the elements are present in appreciable amounts It becomes less manifest in cool stars where the temperature is too low to excite helium and where one has to devise indirect methods for proving hydrogen deficiency Clearly it was not possible to discuss the whole complex of hydrogen deficiency i e in both stars and diffuse matter but rather to concentrate on the issue of helium stars **Abundance Effects in Classification** B. Hauck, P.C. Keenan, 1976-09-30 The general discussions of the roles of photometric and spectroscopic classification at Cordoba in 1971 IAU Symposium No 50 and of the calibration of classification indices at Geneva in 1972 IAU Symposium No 54 revealed clearly the steadily increasing importance of abundance parameters The multiplicity of these however raised so many new problems that it was logical that the 1975 meeting at Lausanne should be concerned with ways in which differences in abundance affect both spectral types and photometric indices Commissions 29 and 36 joined with Commission 45 in sponsoring this Symposium Since the date of the meeting came shortly after the formal retirement of Professor William W Morgan from the University of Chicago it was quickly agreed that this meeting should be dedicated to him in recognition of his unique contributions to spectral classification In the opening paper of the Symposium Dr Bengt Stromgren has summarized these To his remarks we should add only that it was about 1940 that Morgan first distinguished the group of G and K type stars with weak CN bands and metallic lines stars which have since been recognized as having the abundance of all metals relative to hydrogen much lower than in stars of the solar population Spectra of two of these HD 81192 Boss 2527 and 8 Lep were later shown as examples of the group in the Yerkes Atlas of 1943 **Be and Shell Stars** A.

Slettebak, 2012-12-06 The International Astronomical Union Symposium No 70 on Be and Shell Stars the Merrill McLaughlin Memorial Symposium was held in Bass River Cap Cod Massachusetts U S A from September 15th through 18th 1975 Fifty three astronomers from Argentina Belgium Canada Czechoslovakia France Israel the United Kingdom the United States and the Vatican attended and participated in the Symposium This volume which parallels the actual program closely contains the papers presented at the Symposium plus most of the discussion following the papers New observational techniques and fresh theoretical ideas have resulted over the past few years in a renewed interest in Be and shell stars At IAU Symposium No 51 on Extended Atmospheres and Circumstellar Matter in Spectroscopic Binary Systems the Otto Struve Memorial Symposium in Parksville British Columbia Canada three years ago a number of participants expressed the wish to organize a symposium on Be and shell stars If we wish to identify an official Father of IAU Symposium No 70 it would be Mirek Plavec who in his capacity as President of IAU Commission 42 Photometric Double Stars requested and received the cooperation of Commissions 29 Stellar Spectra and 36 Stellar Atmospheres suggested an Organizing Committee and wrote to the IAU General Secretary in 1973 requesting that the IAU Executive Committee approve the proposed conference as an IAU Symposium

**Color and Light in Nature** David K. Lynch, William Charles Livingston, 2001-06-11 We live in a world of optical marvels from the commonplace but beautiful rainbow to the rare and eerie superior mirage But how many of us really understand how a rainbow is formed why the setting sun is red and flattened or even why the sky at night is not absolutely black This beautiful and informative guide provides clear explanations to all naturally occurring optical phenomena seen with the naked eye including shadows halos water optics mirages and a host of other spectacles Separating myth from reality it outlines the basic principles involved and supports them with many figures and references A wealth of rare and spectacular photographs many in full color illustrate the phenomena throughout In this new edition of the highly acclaimed guide to seeing photographing and understanding nature's optical delights the authors have added over 50 new images and provided new material on experiments you can try yourself

NASA Conference Publication ,1982    *Astrophysique Et Spectroscopie* ,1976    **Journal of Research of the National Bureau of Standards** United States. National Bureau of Standards, 1969    **Nuclear Science Abstracts** ,1968    Protostars & Planets II David C. Black, Mildred Shapley Matthews, 1985    Bulletin of the Crimean Astrophysical Observatory Krymskai astrofizicheskai observatoriia, 1983

*Bulletin of the Astronomical Observatory of Nicolaus Copernicus University in Toruń* Uniwersytet Mikołaja Kopernika w Toruniu. Obserwatorium Astronomiczne, 1973    Proceedings Margherita Hack, 1966    **Mémoires de la Société royale des sciences de Liège** ,1976

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