

INTRODUCTION

The ninth East European Countries Conference on stellar magnetism was organized by and held at the Special Astrophysical Observatory of the USSR Academy of Sciences from September 30 to October 5, 1991.

Scientific Organizing Committee:

A. A. Boyarchuk (USSR, Chairman)
E. Gerth (Germany)
Yu. V. Glagolevskij (USSR)
I. Iliev (Bulgaria)
V. L. Khokhlova (USSR)
I. I. Romanyuk (USSR)
Yu. Zverko (Czecho-Slovakia)

Local Organizing Committee:

Yu. V. Glagolevskij (Chairman)
I. I. Romanyuk (Secretary)
V. D. Bychkov
V. G. El'kin
F. G. Kopylova
I. I. Nazarenko
V. P. Romanenko
T. A. Somova

The Proceedings of the Conference comprise complete oral communications or posters presented at the Conference.

After the opinion of all the participants the Conference, devoted to the study of stellar magnetism and related phenomena, was successful. Unfortunately, the at-

tendance was far from the originally expected one, obviously due to some travel difficulties. Despite of this, the Conference has been attended by 10 foreign scientists.

The Conference has proved that the problem of magnetic chemically peculiar stars now, as ever, is of high interest for the astronomers engaged in the investigations of stellar evolution.

It should be noted that there is even a growing interest in magnetic fields of stars of other types than the traditional CP stars. High interest in instrumental and methodical facilities has also been shown, but unfortunately, we are missing new theoretical investigations, especially in the magnetic CP stars. There seems to be some perplexity in explaining the hitherto secured observational facts. Therefore, we do not conceal that the main objective of the research project remains unresolved, in particular, the elucidation of the generation process of magnetic fields in CP stars.

Nevertheless, many results of investigation of CP stars could be applied successfully in other fields of astrophysics, e.g. mapping of distribution of magnetic fields and peculiar chemical abundances over the star's surface.

The participants of the Conference underscored the necessity of collaboration among the scientists of different countries, especially in regard to technical problems.

The next Conference was decided to be organized in Czecho-Slovakia in 1993.

The participants expressed their thanks to the authority of the Observatory for support in organization of our Conference.

E. Gerth, Yu. V. Glagolevskij, I. I. Romanyuk