

# **Abstract:**

## **Advection character and timing of climatic seasons**

Thesis deals with the timing of climatological seasons depending on the temperature and wind direction at 850 hPa level. The theoretical part deals with defining seasons in different ways and climatological processes in Europe. The practical part deals with the verifying of basic hypothesis and the individual steps of the procedure, leading to the timing of climatic seasons depending on the temperature and wind direction. The main method is the method of cumulative series, devised by RNDr. Ivan Sládek, CSc. Western stream over the Bohemia is mainly characterized by cold advection from April 9 to October 21 (advection summer), by warm advection from October 20 to April 9 (advection winter). Eastern stream is mainly characterized by warm advection from April 9 to September 17 and by cold advection from September 17 to April 9.

## **Keywords**

Advection, circulation processes, climatological seasons, method of cumulative series, timing of climatological seasons.

