

2.11. RECENT DEVELOPMENT OF THE DANISH BIRD MIGRATION FORECAST SYSTEM

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Recent Development of the Danish Bird Migration Forecast  
Model. By H. Noer (Denmark).

Summary.

In 1969, research on the bird/weather relationships based on radar-films was started in Denmark. One aim of this research was that it should finally make forecasts of the intensity of the birdmigration possible.

Most of the research carried out is an attempt of expressing the bird/weather relationships in a quantitative way by means of statistical analysis. For the reliability of this analysis, it is important to include as big an amount of data as possible. In Denmark it was decided to use data from 3 years of radarobservation. Till the end of the period of collecting the data, October 1st, 1971, preliminary analyses of the migration in the month of October have been made. A report of the results of the analysis of October 1968 was issued in 1970.

Since then, the October analysis have been extended to cover material from 1969, and 1970, too. Also initial research of the dependence of flocksize on meteorological conditions has been carried out. These two analyses are described, and the more important results are given.