

WP/32

# RADAR OBSERVATION ON THE MIGRATION OF BIRDS IN FINLAND

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The paper gives only preliminary information about the study.

The aim of the study is to observe the migration of *Anas platyrhynchos nigra*, *Branta leucopsis* and *Melospiza cinerea* by radar during migration periods. This has been carried out by Bergman and Stenman (1983).

The present study is a continuation of the work carried out at Helsinki. The migration route is provided by the Söderskär Game Research Station (eastern Finland).

The peak migration activity was seen in May 1982 (Fig. 1).

According to the results of the 1982, a joint Finnish-Soviet radar observation has been started.

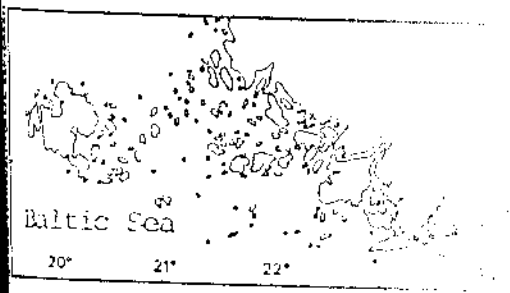
### References

Bergman, G. 1971. The Common Goldeneye in the Common Goldeneye. *Ornis Fennica*, 51:119-147.

Bergman, G. 1972. Migration of the Common Goldeneye in Finland. *Ornis Fennica*, 52:1-10.

Jacoby, V. E. 1974. Migration of the Common Goldeneye in the Eastern Coast of Estonia. *Ornis Fennica*, 54:1-10.

Fig. 1. The location of the Söderskär Game Research Station.



and radar observations of *Anas platyrhynchos nigra*, *Branta leucopsis*, *Melospiza cinerea* in such a way as to provide information on the traffic during the migration periods. This has already been carried out by Bergman (1974) and Jacoby (1974).

The first progress report on the radar observation is given in this paper. The very near to which the radar observation is carried out. Visual observations are also carried out at the Söderskär Game Research Station in southern Finland.

The migration was observed in May and again at the beginning of migration was observed in May. A warning of heavy bird strikes was given.

The Moscow meeting in 1982 was the observation of migration of birds in the Union and Finland.

of the Long-tailed Duck and the Common Goldeneye. *Ornis Fennica*, 51:119-147.

analysis of the spring migration of the Long-tailed Duck in southern Finland. *Ornis Fennica*, 52:1-10.

observations of spring mass migration of the Common Goldeneye on the coast of Estonia. *Ornis Fennica*, 54:1-10.

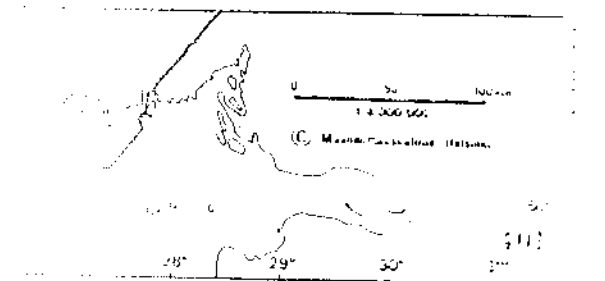
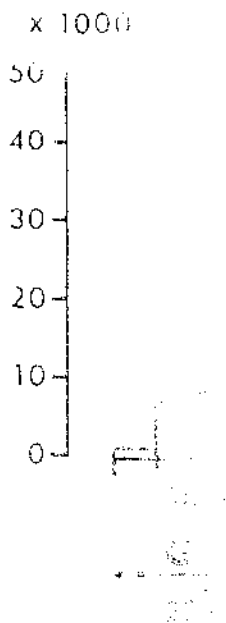


Fig. 2. The number of *Alitta nigra* counted visually at the station and the general direction of migration.



size of the flock (*Clangula hyemalis*, *Merula migratoria*, *Leucopsis* in total) counts at the same observation station on May 23, 1982, and migration shown on the radar screen at 10-minute intervals (A-H; each black dot indicates flock of birds, the arrows indicate the direction of the migration). Observations were made visually from 17.30-22.45, by radar from 18.30.

