

additional 5 minutes for questions. We will try and accommodate all offers for talks although this may not be possible. Therefore we strongly recommend that talks are offered as soon as possible, otherwise space may not be available in the programme. Talks will only be accepted if an abstract is provided at the time of the offer of the talk. Abstracts should be in English (although *additional* translations into Danish or German would be welcome), and clearly typed on A4 paper. Abstracts should include the title of the paper, the authors name and address, and the abstract itself. Collated abstracts will be provided for those attending the conference. Authors may wish to provide a revised abstract of their talk at the conference for later publication in the *Bulletin*. **Talks will not be accepted after 31 July 1994.** An overhead projector and a 35 mm slide projector will be available but please indicate if you require additional equipment.

Poster displays are also invited and offers for posters should be made in the same way as for talks. Posters will be on display throughout the conference.

### Excursion

The excursion on Sunday afternoon will be by coaches and private cars. If you have a car available for use on the excursion, please indicate so on your booking form. Rubber boots and outdoor clothes are advisable.

In addition, we offer a two day excursion to one of the Halligs in the North-Frisian Wadden Sea. This excursion includes a bus and boat trip to the Hallig, an overnight stay on the Hallig, and (depending on the tide and weather) a longer walk through the Wadden Sea at low tide. The excursion will start on Tuesday morning in Büsum and will end on Wednesday evening in Büsum (with the possibility of catching trains in Husum and in Heide on Wednesday afternoon).

The costs including travel, meals and accommodation will be

approximately 120 DM. The details and the exact costs depend on the number of participants. Please indicate on the booking form if you are interested on such an excursion. The minimum number of participants is ten.

There is a (very low) risk of not keeping to the excursion time schedule because of storm tides at that time of year.

### Costs and bookings

The conference will run from Friday night until later Sunday afternoon. The workshop on 'measuring and monitoring breeding success in waders' will end on late Monday afternoon. We anticipate that most participants will wish to arrive on Friday evening. As will be seen from the booking form, booking arrangements are very flexible. This is only possible because the team at the Youth Hostel will fully trust our reliability when we order the number of beds, breakfasts, lunches and dinners in advance. Therefore, please make your choice very carefully; all changes before the conference will cause difficulties.

We are very happy that the Youth Hostel is able to offer its services at a very reasonable price. The prices in detail are: one night 11.50 DM, one breakfast: 5.00 DM, lunch: 7.00 DM, and dinner: 5.50 DM. Accommodation and meals for the whole conference including Friday dinner and Sunday lunch will cost 58.00 DM, and an arrangement including the whole conference and the workshop on Monday (excluding Monday dinner) will cost 87.00 DM. Those who wish to stay for the excursion to the Halligs are advised to book Monday dinner, Monday night, and Tuesday breakfast also.

In addition to the cost of accommodation there is a conference fee of 60 DM payable by all delegates. This fee will cover the costs of the conference hall, administration and entertainments.

We look forward to seeing you in October in Büsum!

## **Measuring and monitoring breeding success in waders**

### **Workshop on Monday 24 October 1994**

Many studies of breeding waders have put much effort into measuring hatching success. Hatching success, however, may not always be a good estimate of the reproductive output of birds since mortality of chicks may be caused by other reasons than the mortality of eggs. This holds true especially for precocial birds such as waders.

Measuring the fledging success of waders is often very difficult because the chicks are concealed and not easy to find, and because broods may move such that the absence of a brood in a study area does not automatically mean that the chicks have died. On some occasions however, it is possible to obtain data on breeding success rates by studying waders outside the breeding season in winter quarters or at stop-over sites on migration.

The purpose of the workshop is:

- to gather and exchange information and experiences on the measuring of fledging success of waders on their breeding grounds;
- to develop recommendations for methods of measuring fledging success;
- to develop (simple) methods for monitoring schemes for the fledging success of waders;
- to gather and exchange information and experience on the measurement of the proportion of juveniles in wader populations outside the breeding season; and
- to gather ideas and opinions on a possible international monitoring project.

It is not the purpose of the workshop to discuss hatching success (unless in direct relation to fledging success). It is also not intended to go into too much detail concerning the results of different studies. The emphasis of the workshop is on methods.

There is a clear and intentional overlap between this workshop and the breeding waders session of the field methods workshop held during the 1993 WSG conference at Ipswich. The results of this workshop will be made available for the planned manual on field research techniques (see also elsewhere in this *Bulletin*).

### Contributions

There will be some invited papers covering existing monitoring schemes, and highlighting and summarising some common problems. The main contributions will be short talks on the following topics:

- experience of methods applied to measure fledging success of waders (case studies);

- methods for the calculation of mortality rates of wader chicks;
- specific marking systems used to study the fledging success of waders;
- movements of wader broods, correlations between hatching success and fledging success in waders - when is the right time to monitor breeding success?
- methods used for estimating proportions of juvenile in wader populations outside the breeding season.

Talks should be no longer than 10 minutes. Posters are also welcome, but authors of posters should be prepared to contribute to the discussion by presenting the key issues of their posters in short (5 min) summary talks.

It is the intention of the workshop to bring together a wide variety of experience on many species. Nevertheless, we hope that the rather narrow definition of the theme and the shortness of the talks will allow for much discussion time, which will be necessary to achieve the purposes of the workshop as

mentioned above.

### Publication

It is hoped to publish the proceedings of the workshop, possibly in the *Bulletin*, or in *International Wader Studies* (see elsewhere this *Bulletin*), however, publication depends on external funding. Authors of talks and posters are kindly requested to submit short papers of their contributions (max. two pages plus figures, tables and references) at the conference.

### Technical information

The workshop will take place on Monday 24 October following the annual WSG conference. The locality will be the same as for the annual conference. Please book for the workshop on the conference booking form. Send offers for talks and posters in the same way and with the same deadlines as for the annual conference (above). Send all correspondence to Hermann Hötter, WSG Conference, at the address above.

Have a good breeding season!

*Hermann Hötter*

**Conference address: WSG, H. Hötter  
Forschungs- und Technologiezentrum  
Westküste, Hafentörn, 25761 Büsum  
Germany  
Tel:04834 604280  
FAX:04834 6772**

Bearbeitung: G. Unger-Schneeberg