

The conference will be held at the FBU Training Camp on Fårö. Quarters are comfortable but simple, and shared quarters will allow participants to meet new friends. A conference fee of SEK 9600 (4800 for students) will be charged, including full board and lodging from Monday to Friday. Accompanying family members are welcome, and a nominal charge will be made for these. Transportation by regular ferries and airlines is available (not included in the conference fee). Participants are registered in the order of invoice payment.

Organising Committee:

Carl-Henrik Walde	SNRV and NRS (Chairman)
Åke Blomquist	SNRV and NRS
Gunnar Eklund	TietoEnator
Olov Carlsson	AerotechTelub
Bengt Lundborg	Swedish Defence Research Establishment
Winnie Svensson	AerotechTelub (Secretariat)

Programme Committee:

Bengt Lundborg	Swedish Defence Research Establishment (Chairman)
Håkan Bergzén	AerotechTelub (Secretary)
Lars Ahlin	Swedish Defence Research Establishment
Tim Giles	Royal Institute of Technology
Karl-Arne Markström	Telia Mobile AB
Sven Åkerlund	Swedish Defence Materiel Administration

Conference Secretariat:

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The Nordic Radio Society welcomes authors, participants, exhibitors and family members to Fårö and HF 01. We will meet in an excellent conference theatre, in an interesting exhibition and in a camp near Mother Nature, well suited to you and your family. In your own interest, please apply early!

After HF 01, a trip will be arranged to SAQ, Grimeton Radio on the west coast of Sweden. Grimeton Radio is the only remaining 200 kW Alexanderson VLF alternator. Together with its antenna system and station building, it is listed as a fully operational industrial monument (www.telemuseum.se/grimeton). If interested, please check in the registration form for details and costs.

Åke Blomquist
SNRV
Chairman of NRS

Carl-Henrik Walde
SNRV
Chairman of the Organising Committee



14-16 August 2001
FÅRÖ

Nordic HF Conference

14-16 August 2001
FBU Kursgård, Fårö

First Invitation and Call for Papers

The sixth Nordic HF conference, HF 01, is scheduled to be held on Fårö in the Baltic Sea north of Gotland. The previous conferences have all gathered a large international participation. Companies will also have the opportunity to exhibit their products.

The Programme Committee invites authors and speakers to submit abstracts not later than 1 February 2001, to be sent to HF 01, AerotechTelub, SE-351 80 Växjö, Sweden.

After the conference, there will be a trip to Grimeton Radio and its 200 kW VLF alternator.



Nordic Radio Society



14-16 August 2001
FÅRÖ

2001 – An HF Odyssey

The Nordic Radio Society (a foundation co-operating with SNRV, the Swedish National Committee of URSI) invites authors and participants to the 6th Nordic HF conference. Topics focus on communications beyond the horizon, with emphasis on HF radio. The use of HF as information bearer in other types of applications is also of interest. Since the first conference in 1986, each Nordic HF conference has gathered around 150 participants, who enjoyed the relaxed atmosphere and stimulating company of colleagues in the informal setting provided by the unique nature of Fårö and the FBU Training Camp.

HF communications technology has advanced significantly over the last few years, with significant trends towards a higher degree of automation and signal processing that now can be cost-effectively implemented to achieve affordable performance even in small systems. Mobile Internet is the hot topic of today, however the radio environment and especially HF does not provide the distortion-free high bandwidth channel of an optical fibre. There is a significant challenge to meet users' expectations of communications anywhere, anytime. High capacity multi-media networks carry not only analogue voice and data messages in a store-and-forward manner, but also digitised high quality voice, streaming data and even streaming video. Integration of HF with these networks requires developments in modulation and coding, link management and network management to be able to provide a service level acceptable by the network users. Automatic networking aspects and information transparency play an increasing role to achieve full subscriber connectivity, area coverage and highly reliable communications with HF possibly being only one of several available communications alternatives.

In many applications HF is the primary and sometimes the only way of providing communications to serve defence and civil purposes. Defence forces are the major professional users of the HF spectrum as far as numbers are concerned, and defence applications are the technology driver in HF communications.

Invited speakers will give overviews of the objectives and current activities in their respective fields. Among the invited speakers is **Mr Mel Maundrell** of the Defence Evaluation & Research Agency in the UK.

Topics of interest include:

- User requirements and experience
- Interoperability issues
- HF role in the mobile or tactical internet
- Propagation studies and modelling
- Interference and noise
- Modulation and coding
- Link control
- Network architectures
- Equipment and systems
- Multimedia access and applications
- HF radar
- HF digital broadcast
- Electronic warfare
- Simulation, modelling and evaluation

Related communication topics are also welcomed, such as LF and VLF applications (e.g. submarine communication) and meteor scatter.

We emphasize the importance of contributions from users, either as experience from the operation of existing systems or as requirements for new systems. Technology is not self-sufficient – there has to be a demand from the organisations that in the end actually will operate the fancy technology! Conferences are important venues where users, scientists, engineers and manufacturers meet and have the opportunity to discuss both needs and solutions.

Authors are invited to submit abstracts for papers **not later than 1 February 2001**. Notice of acceptance will be given 1 March 2001, with print-quality papers to be submitted 1 May 2001. Presentation time is 20-30 minutes; please indicate the estimated length of your presentation (excluding the time for questions and discussions). The conference language is English, and all papers are to be printed in the Conference Proceedings. The Proceedings will be submitted for registration in international information databases to achieve an efficient distribution of information to the world-wide HF community. Use the enclosed form, or the form on the Nordic HF web site, for submission of abstracts, request for exhibition space and registration.

Current information is available at the following web site: www.nordichf.cjb.net