



# The Viking Roost

## The Swedish AOC Chapter

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12 November 2008

# The Viking Roost



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# History (1)



- A small group of EW enthusiasts became members in AOC US already in the 60's.
- Cuts in the EW organisation at government services in the 80's increased the need for an EW forum independent of organisation.
- 5 Dec 1989 was the day of ceremonial formation of the Viking Roost in presence of the AOC president, Admiral Julian Lake. No of members at this point was 133.
- Notable is that the Supreme Commander of the Swedish Armed Forces as well as other high HQ representatives were concerned about the Viking Roost connection to the US. Was a Swedish AOC chapter compatible with the Swedish neutrality?

## History (2)



- In 1999 the ten year anniversary was celebrated at Karlberg castle.
- In 2002 the Viking Roost was responsible for the program at AOC Symposium and Convention in Europe at Grand Hotel in Stockholm.
- The main activity has been the quarterly meetings with oral presentations and visits to EW related organisations and industries.
- During the first years a sailing race, the Crow Cup, was arranged every year.

# Constitution



## **Article II AIMS AND PURPOSES**

SECTION 1. AIMS AND PURPOSES. The Viking Roost, Chapter of Old Crows, is formed to provide an organization for individuals, who have a common interest in Electronic Warfare and who wish to foster and preserve the art of Electronic Warfare; to promote the exchange of ideas and information in the field of Electronic Warfare; to recognize the advances and contributions to Electronic Warfare; to document the history of Electronic Warfare and to commemorate fittingly the memory of fellow Crows.

## **Article III COMPOSITION AND NATURE**

SECTION 1. COMPOSITION AND NATURE. The Chapter shall be civilian in nature and shall not be used for the dissemination of partisan principles, nor for the promotion of the candidacy of any person seeking public office or preferment, nor for promotion of any commercial enterprise.

# Members



- Number of members: approx 250
- The number of members has somewhat decreased during the last five years.
- Distribution
  - FMV (The Swedish Defence Material Administration) 11 %
  - FOI (The Swedish Defence Research Establishment) 15 %
  - FM (The Swedish Armed Forces) 15 %
  - FRA (The National Defence Radio Establishment) 4 %
  - Industry 55 %
- Viking Roost is the second largest chapter outside the US (after UK)

# Board of Directors, Officials



- Board of Directors
  - Officers
    - President
    - Vice-President
    - Secretary
    - Treasurer
  - Three Directors
  - Immediate Past President
- Election Committee
  - Two members (elected by the annual meeting)
- Auditors
  - Two members (elected by the annual meeting)

# Economy

(SEK, 2007 figures)



▪ Receipts	
From AOC US	11026
Interest	85
<b>Σ</b>	<b>11111</b>
▪ Costs	
Quarterly meetings	4248
Crow of the year	5186
Board expenses	4957
Web site	688
Other expenses	3030
<b>Σ</b>	<b>18209</b>
▪ Result	<b>-7098</b>
▪ Balance	<b>65000</b>



# Economy



- Member fee is 45 USD per year to be paid directly to AOC US
- The Viking Roost gets approx 6 USD back per member and year
- The costs are more or less independent of the number of members
- The income side is currently wholly dependent on the number of members and the USD – SEK exchange rate
- The Viking Roost has very limited costs for the quarterly meetings; industry and government authorities are normally not charging anything for premises, food etc. and speakers do not get paid
- Another source of income is likely to be needed in the future

# Quarterly Meetings



- Evening meetings with two to four oral presentations
- Aim is a balance between operational and industrial/research presentations
- Mingle over a light meal
- Meetings normally visited by 30 – 40 members
- Premises: normally at a defence authority or industry in the Stockholm area
- Meetings sometimes include display/demonstrations of equipment, development tools etc

# Quarterly Meetings Presentations, examples (1)



- Sept 2006
  - The EW system for Saab 2000 AEW
  - Red Flag Alaska from an EW perspective
  - JBOX – a new IR countermeasure
  - Air Force EW history, part I
- Dec 2006
  - Swedish ELINT
  - Visit to FRA ELINT/COMINT museum
- March 2007
  - Library support to HMS Gävle in the Mediterranean
  - System support to the international corvette forces

Saab Avi  
Air Force  
Saab Avi  
Bengt Bergkvist

FRA  
FRA

HQ/SWEWOSE  
HQ

# Quarterly Meetings Presentations, examples (2)



- May 2007
    - True Time Delay (TTD) circuits
    - Air Force EW history, part II
    - Naval COMINT
  - Sept 2007
    - Sensor co-ordination for improved EW capability
    - Protection of civil aircraft
  - Dec 2007
    - New methods for detection of radar emitters
    - ESM challenges in littoral environments
    - Training co-operation with HMS Gotland in USA
- FOI  
Bengt Bergkvist  
FRA
- FMV  
Saab Avi
- Saab Avi  
Saab Avi, ZA  
Navy

# Quarterly Meetings Presentations, examples (3)



- March 2008
  - Self protection and situation awareness in helicopters Hkp LSS
  - Wideband AESA antennas for airborne applications Saab Avi
- May 2008
  - Air Force EW history, part III Bengt Bergkvist
  - EW Tools – a new system for library prep and analysis Saab Avi
  - BOL – a success story about a Swedish CM dispenser Saab Avi
- Sept 2008
  - M-AESA, a Swedish – Italian co-operation project FMV
  - EW and situation awareness FOI

# The Crow of the Year Award



- Annual award for significant achievements in the EW area
- Elected by the board
- Apart from the honour the recipient gets 5000 SEK and a diploma
- Aim is a mixture of prize-winners
  - between defence forces, authorities and industry
  - lifework and exceptional (recent) achievements
- A service in return is expected: An interesting presentation at an upcoming quarterly meeting



Bengt Bergkvist (left), Crow of the Year 2008  
and  
Arne Streling, President of the Viking Roost

# Classification



- All activities in Viking Roost are unclassified
- The inherent secretiveness in the EW community to some extent hampers the AOC / Viking Roost idea of information exchange
- Closed sessions for members meeting certain classification requirements have been discussed
- However, the Viking Roost has in most cases succeeded in arranging interesting meetings without violating the secrecy rules



# The Viking Roost Web Site





Vikingroost - Microsoft Internet Explorer provided by Saab Avitronics

File Edit View Favorites Tools Help

Back Forward Stop Refresh Home Search Favorites Recycle Bin Mail Print Write New Folder Favorites

Address <http://www.vikingroost.org/>



Om AOC

Om Viking Roost

Styrelsen

Årskrårkor

Årsmöte

Kalendarium

Länkar

Kontakt

**VÄLKOMMEN TILL  
VIKING ROOST**

# Future



- There are no plans for major changes in the Viking Roost aim and direction
- Major challenges are
  - To recruit new members particularly among young people active in on-going programs
  - To maintain and hopefully increase the attractiveness of the quarterly meetings
- An improved web site with log-in for members is being discussed
- A simplified membership administration is desirable, the detour over USA is sometimes a complication
- Another source of income is needed to sustain current ambition level

# The End - Questions?

