

Aeromodelling – Reach out for the Sky

- I. CIAM and Juniors
- II. One CIAM Class
presented (F3J)
- III. Catch them old



I. CIAM and Juniors

1. Aeromodelling – first contact with airports

- To begin with 6
- Aeromodelling demands learning about aerodynamic and inertia forces, central of gravity and decalage, materials and structural design
- It opens the window to the rich history of flying while dealing with scale and semiscale model aircrafts



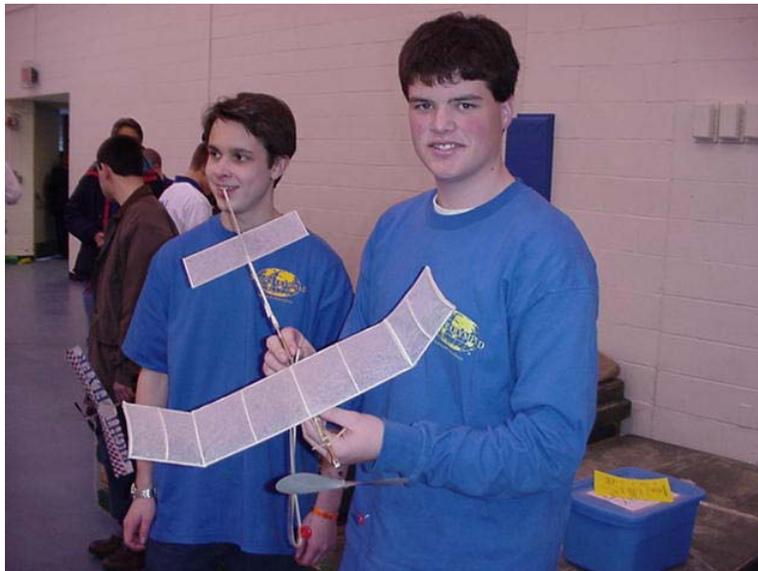
2. Difficulties

- **Shunning of frustration.** Nowadays boys and girls are prone to loose patience. They want instant success and can't wait up to the end – taught by their electronic equipments and by the media. On average every kid spends 90 minutes a day in front of a TV.
- **Manual skills are fading.** Mike Colling, supplying half of England and Scotland with little model aircrafts for pupils: “80 per cent of the youngsters are not able any more to tie a knot in a rubber strand.” Handicrafts become unusual in most families.
- **Poverty and migration.** An increasing share of children has a migration background or grows up without a father. Islamic religion of immigrants lacks enlightenment and antagonizes sports, modernisation and technology as an important part of education.

3. Help from Outside

- **Military Air forces** need pilots and trained staff to maintain aircrafts.
- **The Airplane Industry** is a growing economic factor in several high developed countries. In Hamburg for instance it is far the biggest employer for more than 30.000 employees. Engineers and mechanics are highly demanded. Every single rivet on an A 380 is to be positioned by hand!
- **More and more schools** switch from a half-day schedule to a full-day. They accept support from outside, sometimes they depend on.

4. Some Education Projects



- **Wright Stuff (USA)**

“Teams will design and build a propeller driven aerodynamic device for greatest time aloft.”

AMA offers help for all schools organising Wright Stuff. - Mission for all different 39 Events:

“To promote and improve student interest in science and to improve the quality of science education throughout the nation.”

• School Labs (Germany)



Universities in six cities offer labs to be used by schools to study aerodynamics of aircrafts and even acoustic problems of airplane bodies. The labs are run by the “Deutsche Gesellschaft für Luft- und Raumfahrt” and sponsored by the state and the industry.

Experiments are often accompanied by building model aircrafts to make use of the cognition.

• UhuCup (Germany)

DEN TRAUM VOM FLIEGEN...



UHUCup

...GEMEINSAM ERLEBEN



Juniors up to 16 are motivated to compete with model aircrafts within regional contests in four simple classes (free flying and radio controlled). The results are to be sent to the “Luftsport Jugend” within the German Aero Club. The organiser invites the best competitors to compare during a national federation-classification.

Suitable kits for model aircrafts are available in all model shops or may be ordered from the German Aero Club.

• CIAM Junior Events (FAI)



18 of all 60 CIAM classes for model aircraft are to be flown by juniors up to 18 years on six World or Continental Championships a year. Two new classes attract especially juniors and will hopefully enjoy their first International Champs 2008 – Indoor Aerobatics and Hand Launch Gliders.

One international event is dedicated to juniors only – Free Flight.

5. The Earnings

- **A growing number of juniors** join the sport with model aircrafts, leaving highschools as young engineers, well trained and highly motivated.
- They become **heroes of their schools**, shining examples for success controlling complicated technical systems and making use of high level sports tactics.
- To publish their achievements, CIAM plans to sponsor youth activities all over the world with **special awards and scholarships (2007)**.
- Aeromodelling is going to be the **most important and the single growing division** in NAC.

What do you think students will whisper about Johannes in school on Monday?

