

# **AcroFest #1**

*Inspirational Video or two (Manfred Radius, Ferenc Toth)*

## **Why Acro?**

**My personal experiences.**

**Inverted on tow in rotor.**

**Inverted on the Whites.**

**Myself in LS-8**

**Flying dual in a Nimbus**

**Les Horvath**

**“A higher level of competence and safety in flight”**

**“A better understanding of sailplane AND pilot limitations”**

**A personal understanding of Task Saturation!**

## **Why Not Self Taught Acro?**

**Task Saturation and inability to respond to failed figures**

## **Sailplane Design Features**

**Airfoil designs.**

**Camber**

**Washout**

## **Sailplane Limitations**

**Designer and certification limitations**

**Speed limitations**

**TAS/IAS – effect of altitude**

**Load factors**

**The ASK-21, our platform for this event**

## **Attitude References**

**Pitch references**

**Upright vs inverted**

## **Pilot Factors**

**Graying out**

**'grunting'**

**Red out**

**Vertigo**

**Individual/personal factors**

**Body size, physical fitness, cardiac issues, dehydration, prolonged inactivity, post-prandial state, fatigue, illness, medications**

## **Airspace**

**FAA**

**Competition Box**

**Williams**

Potty Break

## **The Program – Introduction**

### **The Figures**

**Coordination exercise**

**Down-line**

**Up-line**

**Chandelle**

**Loop**

**½ roll – inverted to upright – no rudder method**

**Inverted flight**

**Competition turn**

### **The Program – How To Fly**

**Read Aresti symbols**

**Suggested notations on written program cards**

**Why plan every acro flight**

**Entry and exit speeds**

*ASK-21 video*

**Blown Maneuvers**

**Level the wings**

**Establish safe attitude to the horizon**

**Airbrakes – yes or no?**

**Plan For The Day**

**Go Fly !**