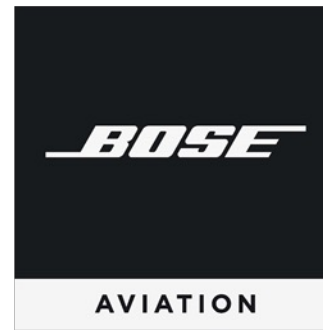


Presented by:



Supported by:



Total Control

“Instinctive Aircraft Control”

Ken Wittekiend, MCFI

- Eight Time Master CFI
- Charter Member, SAFE
- CFI of the Year, FAA Southwest Region 2009, 2015
- Over 8000 hours of dual given including 2500 tailwheel
- Former FAA Designated Pilot Examiner
- Beechcraft Training Specialist
- Backcountry aviation enthusiast
- Contributor to Plane & Pilot









Other Common Scenarios

- *Engine failure during initial climb*
- *High DA takeoff and climb*
- *Wake turbulence encounters*
- *Crosswind takeoffs & landings*
- *Off airport landings*
- *Traffic pattern problems*



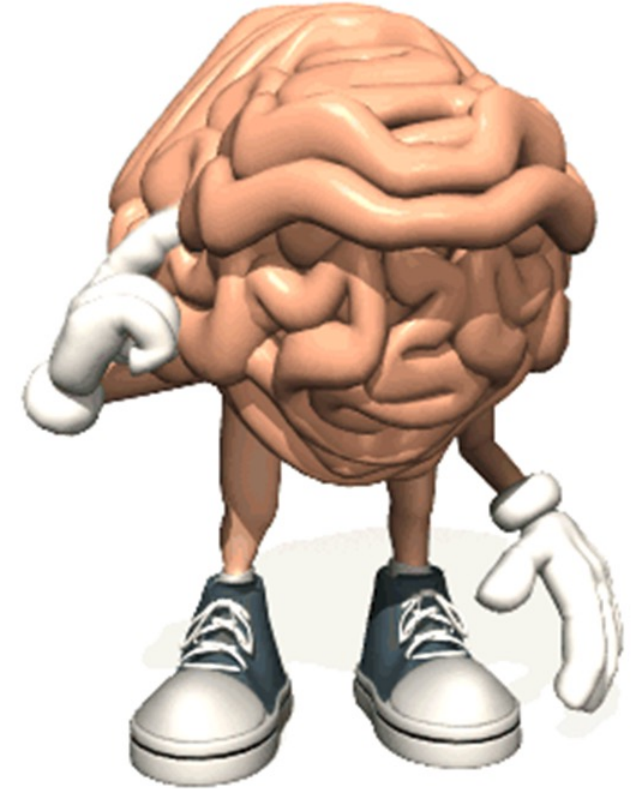
Basic “Pilot Stuff”

- *Recognize when something “out of the ordinary” is happening (SA)*
- *Determine the appropriate course of action required (Knowledge)*
- *Act to correct or mitigate the problem (Skills)*



“What Were They Thinking

- *More than 65% of GA accidents due to pilot error*
 - *Skill based 79.2%*
 - *Decision based 29.7%*
 - *Perception based 5.7%*



Turns Out, It's Not Just Pilots.....



Mental Models...

- *Created by our brain from inputs and previous experiences*
- *With training, we move from explicit to implicit learning*
- *Stress can disrupt everything*



The Role of Training

- *Develop Knowledge, Skill & Judgement*
- *Teach Basic Aircraft Control*
- *Use Progressions and Scenarios*
- *Provide Drills and Exercises to Promote Mastery*
- *Form Correct Instinctive Responses*



The Problem with Most Training...

- *Not realistic or fails to address “real-world” situations*
- *Not regularly practiced and repeated*
- *Not carried to conclusion*
- *Not model specific*



Learning to Fly “Instinctively”

- *Awareness of visual, kinesthetic and audible cues*
- *G – Loading Awareness and Unloading the wing*
- *Slipping & skidding for fun*
- *Repetitive practice on the basics*
- *Striving for excellence*

Basic Stick & Rudder Exercises

- *Understanding the flight controls*
- *Set a new “low-speed” record*
- *The “Three Peeks” game*
- *Falling leaf stalls*
- *Traffic pattern drills*
- *Simulated engine failures to a landing*

One More Story...



Wrapping Up...

- *Humans do not come with the “Right Stuff”*
- *Training allows us to survive the unexpected*
 - *Must be tailored, appropriate and realistic*
 - *Instructors must make it safe and fun*
 - *Regular practice is essential*
- *Instinctive flying skills are critical*
- *If you do this flying stuff long enough, stuff happens...*
- *So, be ready.*

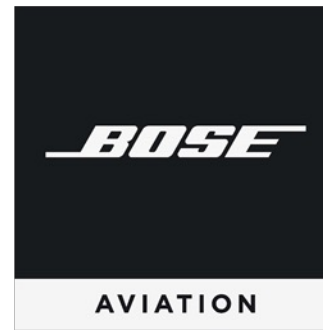
Questions?????

Contact Information:

ken@promarkaviation.net



Presented by:



Supported by:

