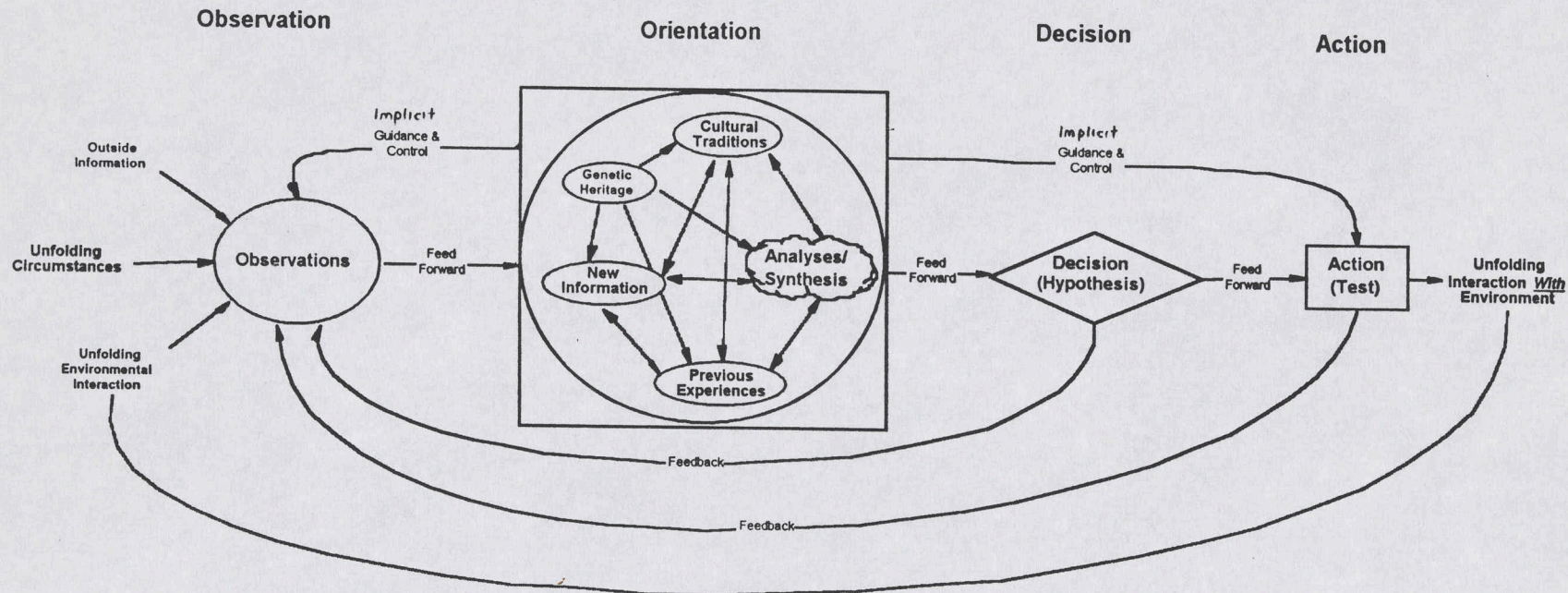


I

The
Essence
of
winning & losing

We can further clarify these statements and their interconnections by the following sketch

The OODA "Loop" Sketch



Point:

The Analytic/Synthetic Process by Which our Mental Orientation Interacts With the External World is an Evolving, Open-Ended, Far-From-Equilibrium Process with Positive as Well As Negative Feedback.
(Source: Boyd 1-5)

Insights

- Note how orientation shapes observation, shapes decision, shapes action, and, in turn, is shaped by the feedback and other phenomena coming into our sensing or observation window.
- Also note how the entire "loop" (not just orientation) is an ongoing many-sided implicit cross-referencing process of projection, empathy, correlation, and rejection.

Key Statements

II

- Without Genetic Heritage, Cultural Traditions and Previous Experiences we do not possess an implicit repertoire of psychophysical skills shaped by environments and changes that have been previously experienced.
- Without Analyses and Synthesis, across a variety of domains or across competing/independent channels of information, we cannot evolve new repertoires to deal with unfamiliar phenomena or unforeseen change.
- Without an many-sided implicit cross-referencing process of projection, empathy, correlation, and rejection (across these many different domains or channels of information) we cannot even do Analyses and Synthesis.
- Without CODA loops we can neither sense, hence observe, thereby collect a variety of information for the above processes nor decide as well as implement actions in accord with those processes,
or put another way
- Without CODA loops embracing all the above and without the ability to get inside other CODA loops (or other environments) we will find it impossible to comprehend, shape, adapt to, and in turn, be shaped by an unfolding, evolving reality that is uncertain, everchanging, unpredictable.

We can further clarify these statements and their interconnections by the following sketch

111

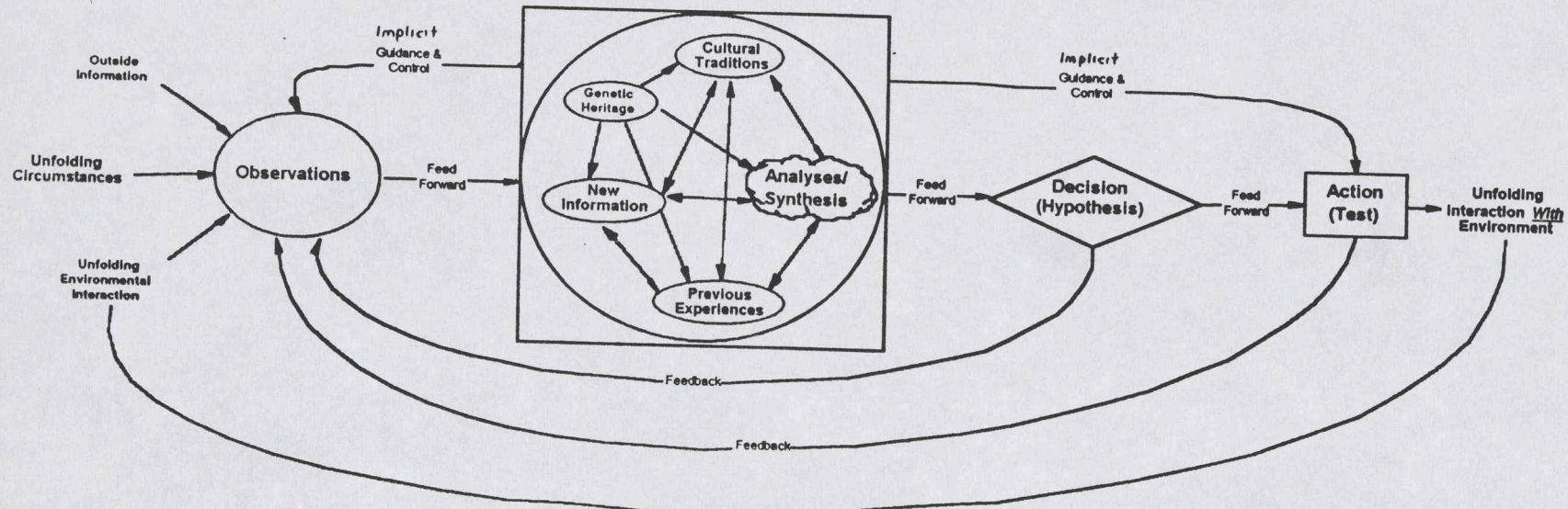
The OODA "Loop" Sketch

Observation

Orientation

Decision

Action



Point:
The Analytic/Synthetic Process by Which our Mental Orientation Interacts With the External World is an Evolving, Open-Ended, Far-From-Equilibrium Process with Positive as Well As Negative Feedback.
(Source: Boyd 1-5)

Insight

- Note how orientation shapes observation, shapes decision, shapes action, and in turn, is shaped by the feedback and other phenomena coming into our sensing or observation window.
- Also note how the entire "loop" (not just orientation) is an ongoing many-sided implicit cross-referencing process of projection, empathy, correlation, and rejection.

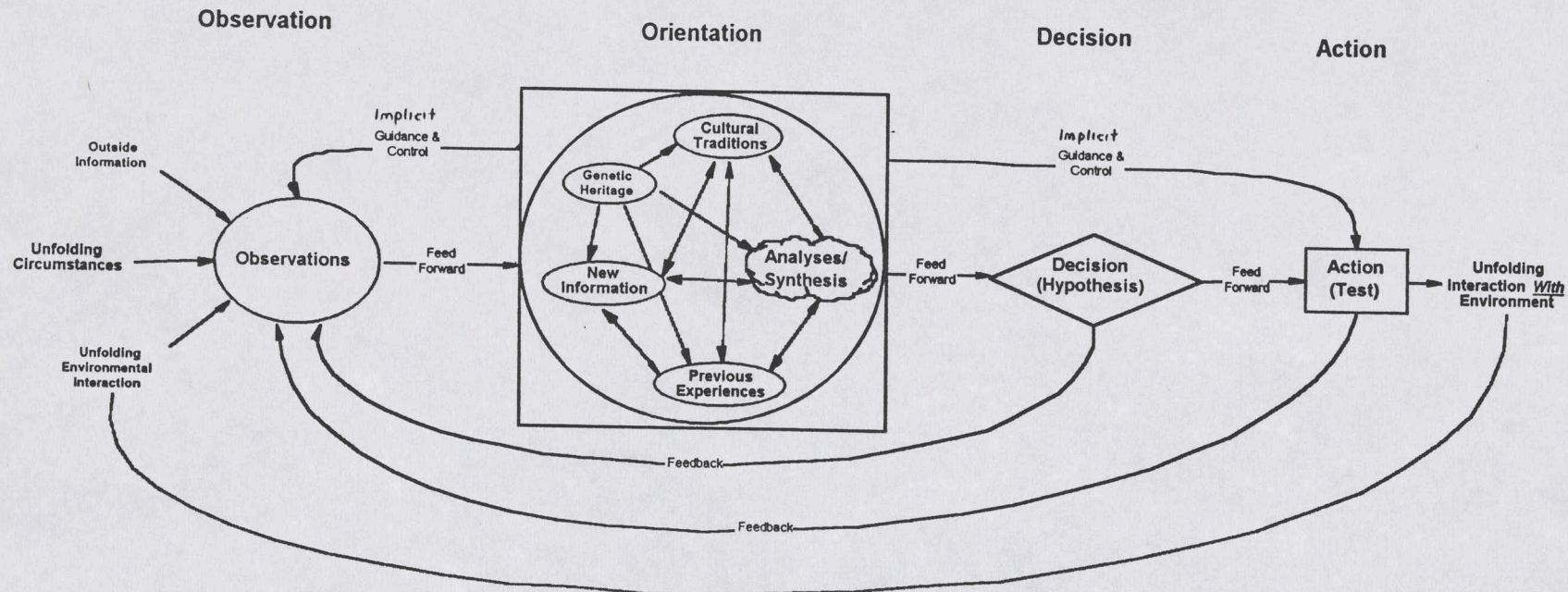
Illumination

an evolving, open-ended, far-from-equilibrium process

By pulling all this together, we can see that the Key Statements, Sketch, and related Insights represent a ~~complex and subtle~~ process of Self-Organization, Emergence, and Natural Selections.

We can further clarify these statements and their interconnections by the following sketch

The OODA "Loop" *Sketch*



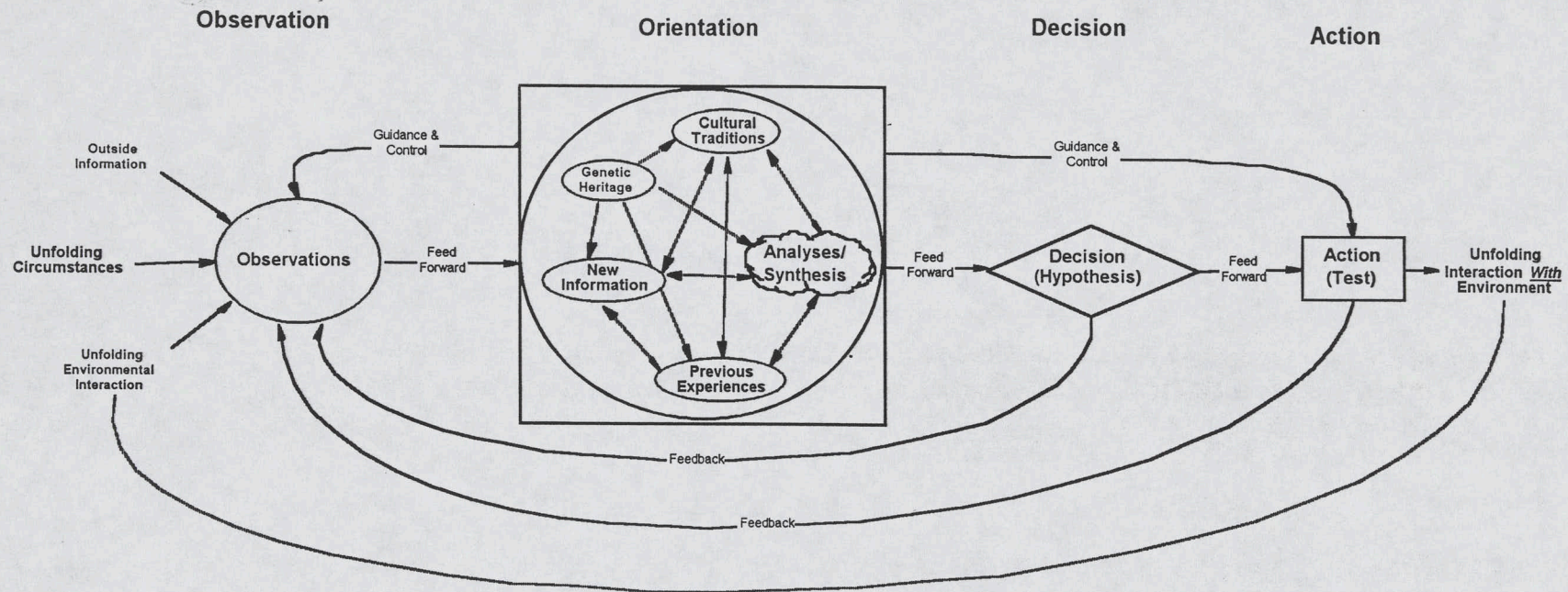
Point:

The Analytic/Synthetic Process by Which our Mental Orientation Interacts With the External World is an Evolving, Open-Ended, Far-From-Equilibrium Process with Positive as Well As Negative Feedback.
(Source: Boyd 1-5)

Insights

- Note how orientation shapes observation, shapes decision, shapes action, and in turn, is shaped by the feedback and other phenomena coming into our sensing or observation window.
- Also note how the entire "loop" (not just orientation) is an ongoing many-sided implicit cross-referencing process of projection, empathy, correlation, and rejection.

The OODA "Loop"



Point:

The Analytic/Synthetic Process by Which our Mental Orientation Interacts With the External World is an Evolving, Open-Ended, Far-From-Equilibrium Process with Positive as Well As Negative Feedback.
(Source: Boyd 1-5)