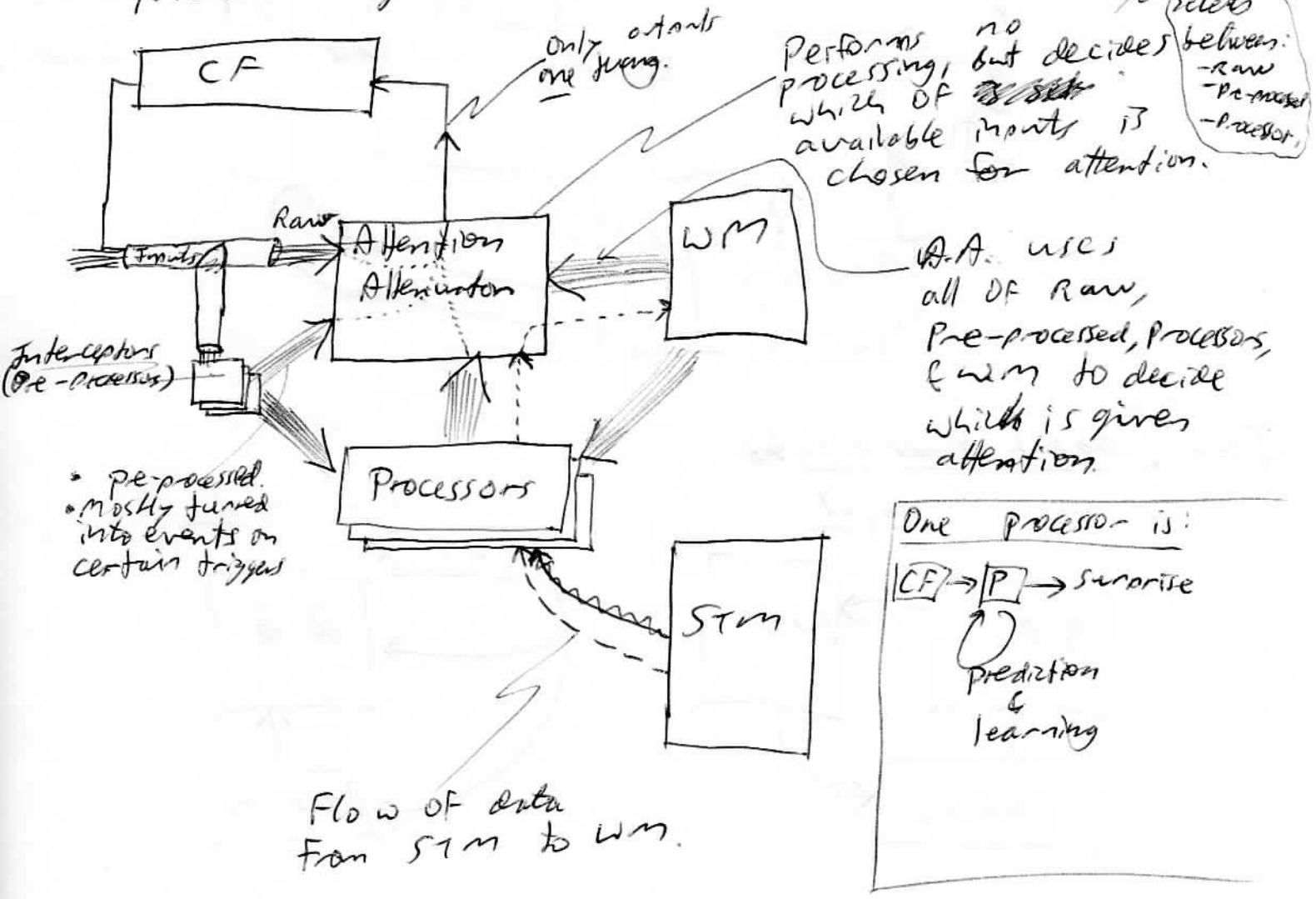# Updated Basic Idea for Conscious Calculation
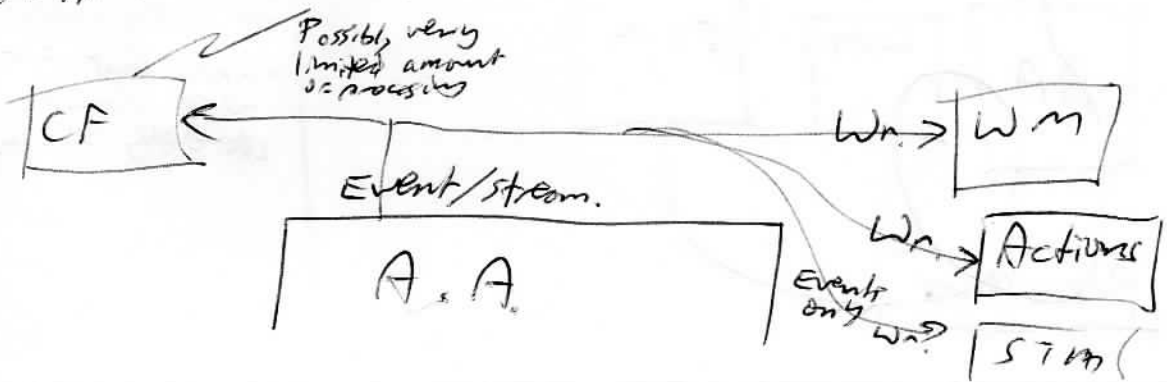
Taking into account:
- ~~CF feedback needs as two pieced it together so far~~
- New ideas on how Attention is the seat of consciousness
- The need for something to use CF. — as it piece it together so far.

only attends
one thing.

CF

Raw

(Inputs)

Attention
Attenuation

Interceptors
(Pre-processes)

- pre-processed.
- Mostly turned into events on certain triggers

Processors

WM

STM

Performs no processing, but decides which of is set available inputs is chosen for attention.

attends / decides
Aub selects between:
- Raw
- Pre-processed
- Processor

A.A. uses all of Raw, Pre-processed, Processors, & WM to decide which is given attention.

One processor is:

$$CF \rightarrow P \rightarrow \text{surprise}$$

Prediction & learning

Flow of data from STM to WM.

- Not totally sure about exact paths for Raw inputs. ie: whether they go to Processors too.

- Output of AA:

CF

Possibly very limited amount of processing
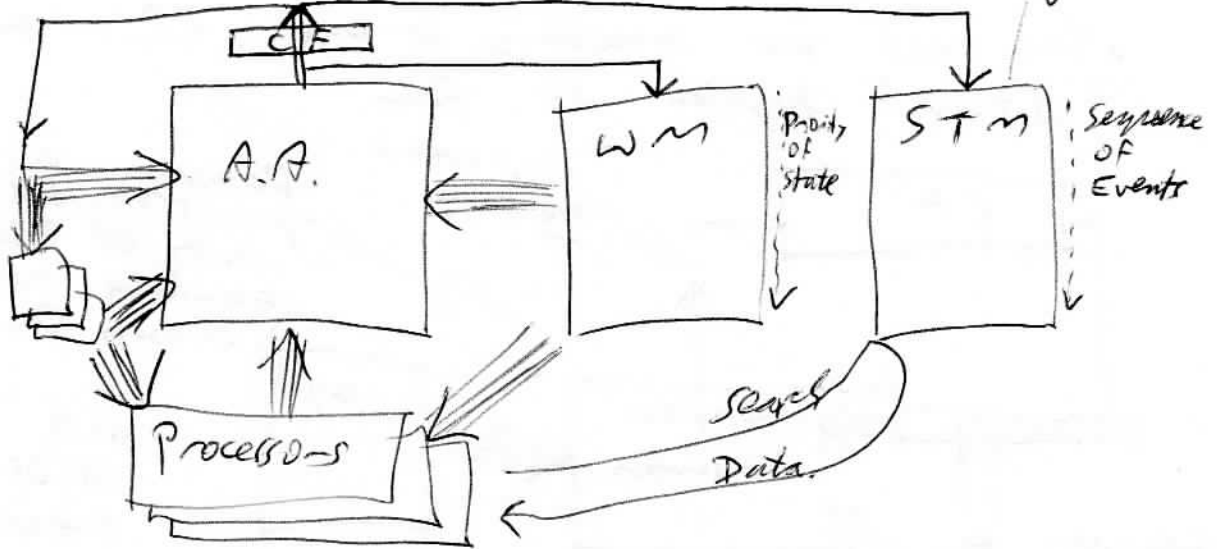
Event/stream.

A.A.

Wn → WM

Wn → Actions

Events only Wn?

STM

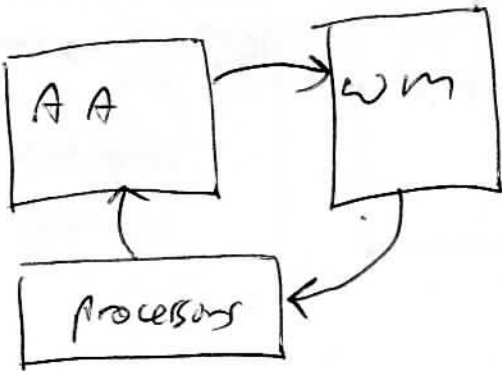For this version, events only.

No streams anywhere.

Basic Idea - Take 2

Only stores in high-level representation from CF as it gives an interesting distinction from WM.
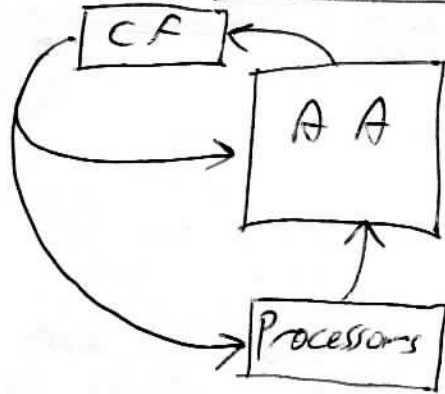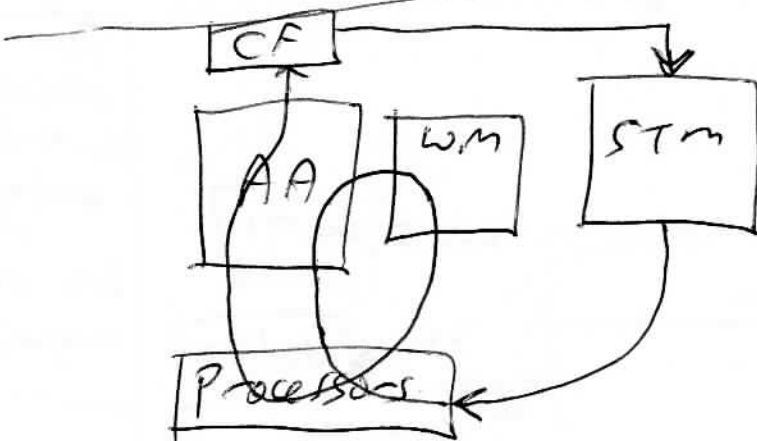

Two Data Feedback paths

Low Level

High Level

Plus a third, slow high level feedback path

Q: Are there different types of processors? e.g:
- Ones that wr. to WM don't output directly to attention?