

UbiComp Challenges Panel - Harnessing the Beast

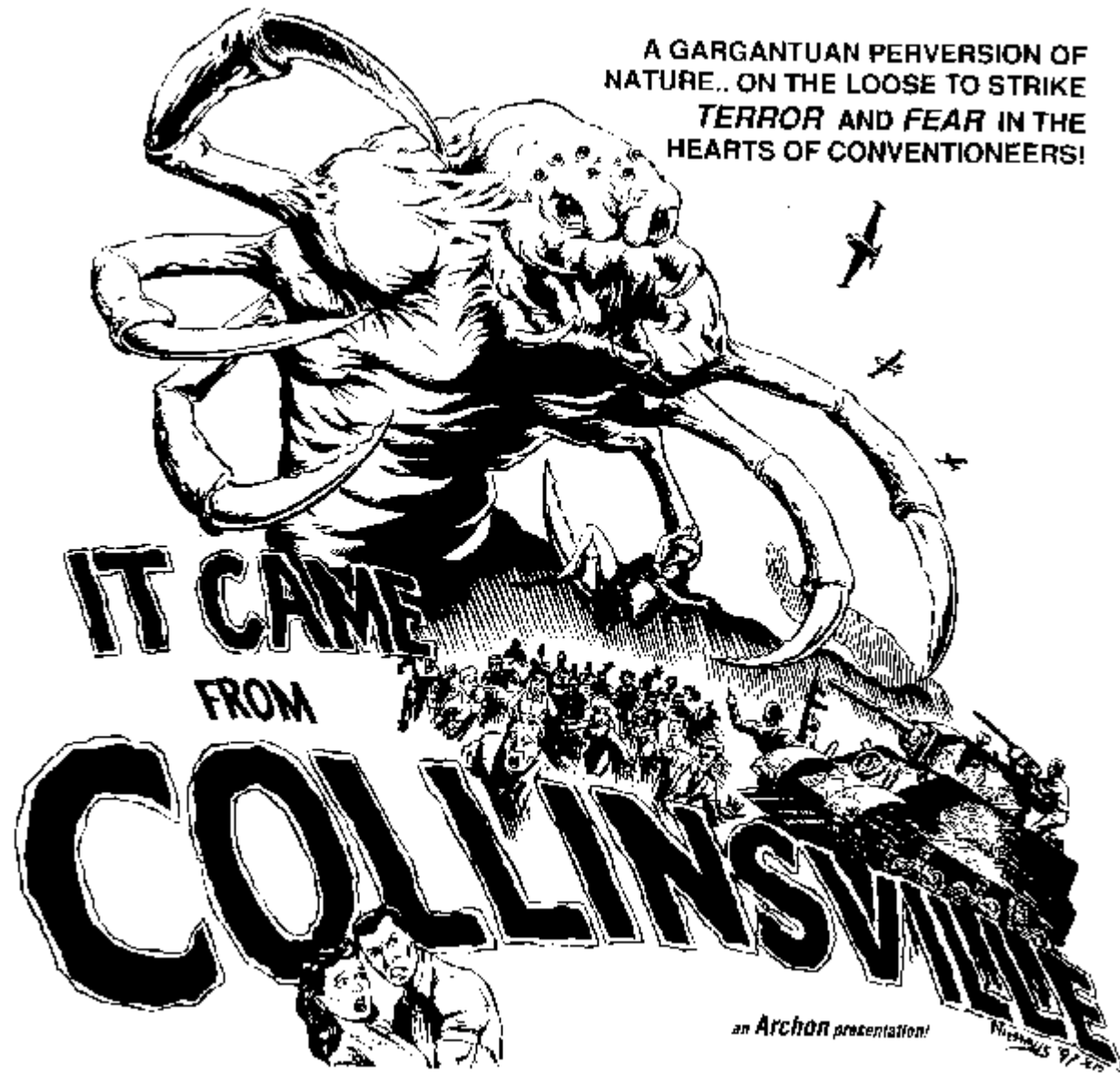


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A GARGANTUAN PERVERSION OF
NATURE.. ON THE LOOSE TO STRIKE
TERROR AND FEAR IN THE
HEARTS OF CONVENTIONEERS!

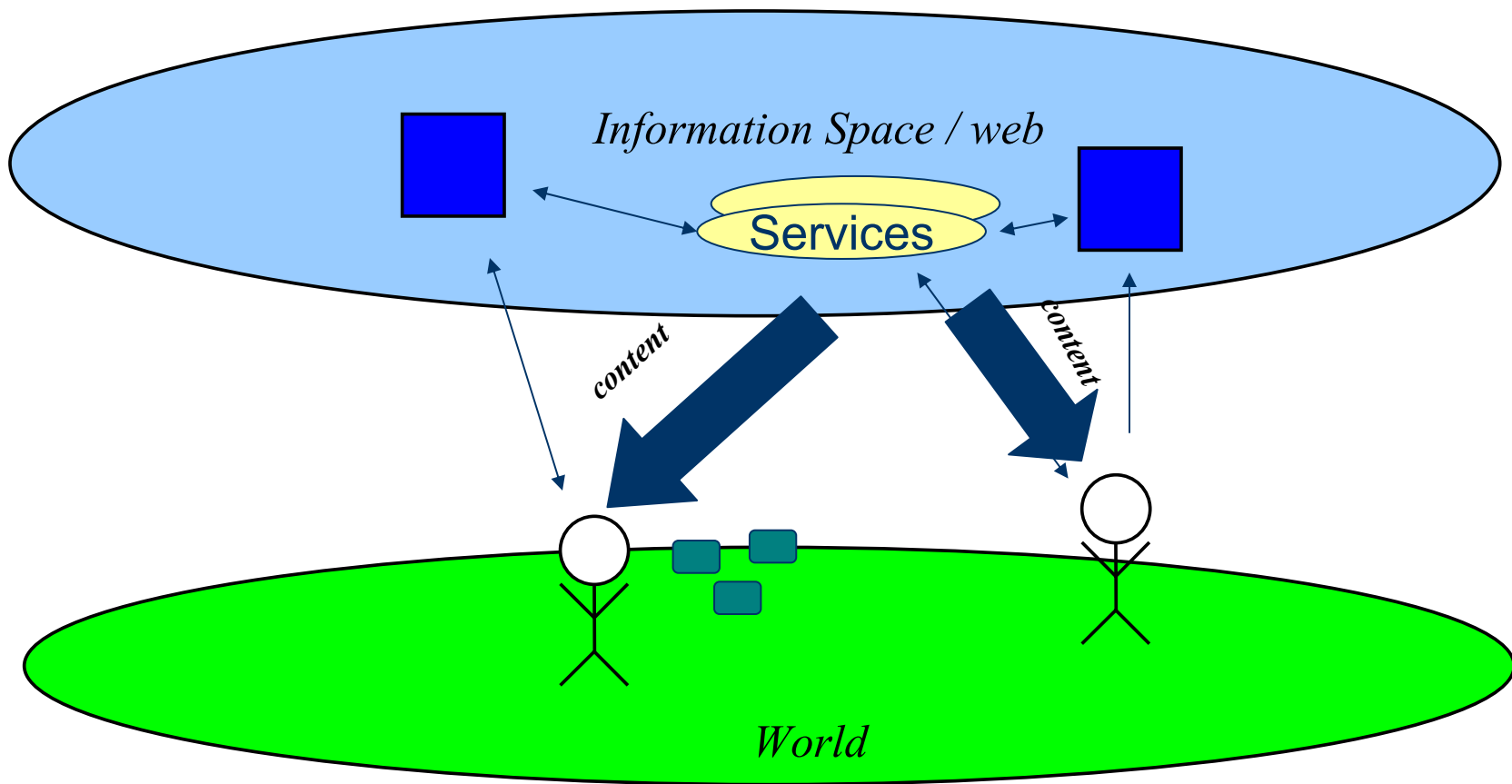


Trends

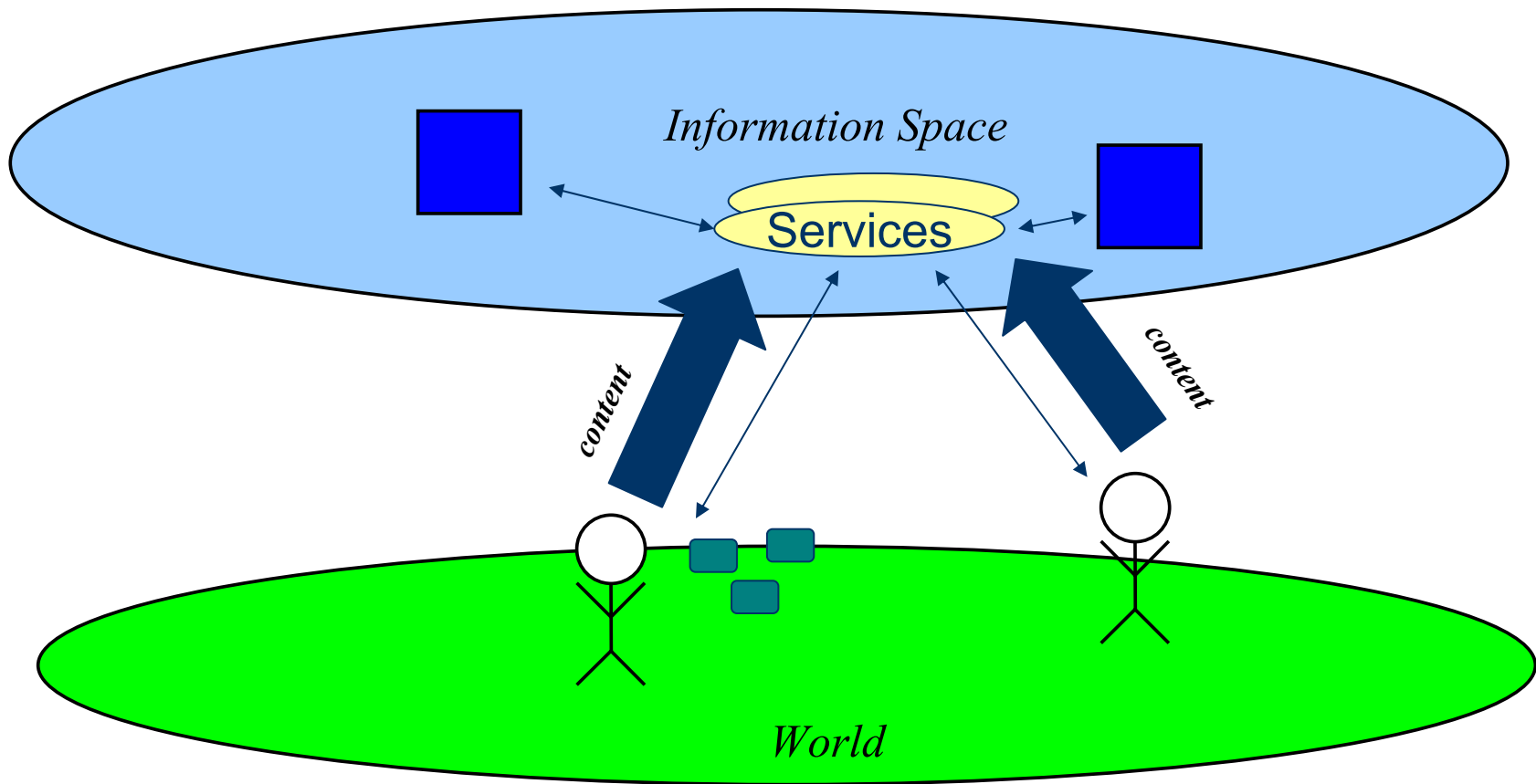
- Proliferation of
 - personal devices
 - instrumented reality
- Emergence of personal stream services



Classic view of Infospace



New view



UbiComp Infrastructures



Challenges



- Technologically
 - Interoperability of heterogenous devices
 - Activity support across multiple interfaces
 - Access services across the operators – get out of the vice!
 - Ubiquitous infrastructures
 - Build context-aware software infrastructure
 - Handle multiple streams of content upwards
 - The Augmented World – Digital Umbilical
- Usability
 - Compelling applications – lifelong use offering basic blocks
 - Ensure usability among hundreds of devices
 - Visibility vs Invisibility
 - Visibility of payment with a thousands slots
 - Usability evaluations in the wild
- Socially
 - The computers among us – *“Are you talking to me?”*
 - The Logged Society – Handling *“Bottom Up Big Brother”*
 - The Digital Divide

Power issues

- UbiComp needs UbiPower!
- Parasitic powering?



Making the ant colony work for us...



Personal Information Space – a Birthright?

