# InfoCanvas: A Highly Personalized Elegant Awareness Display

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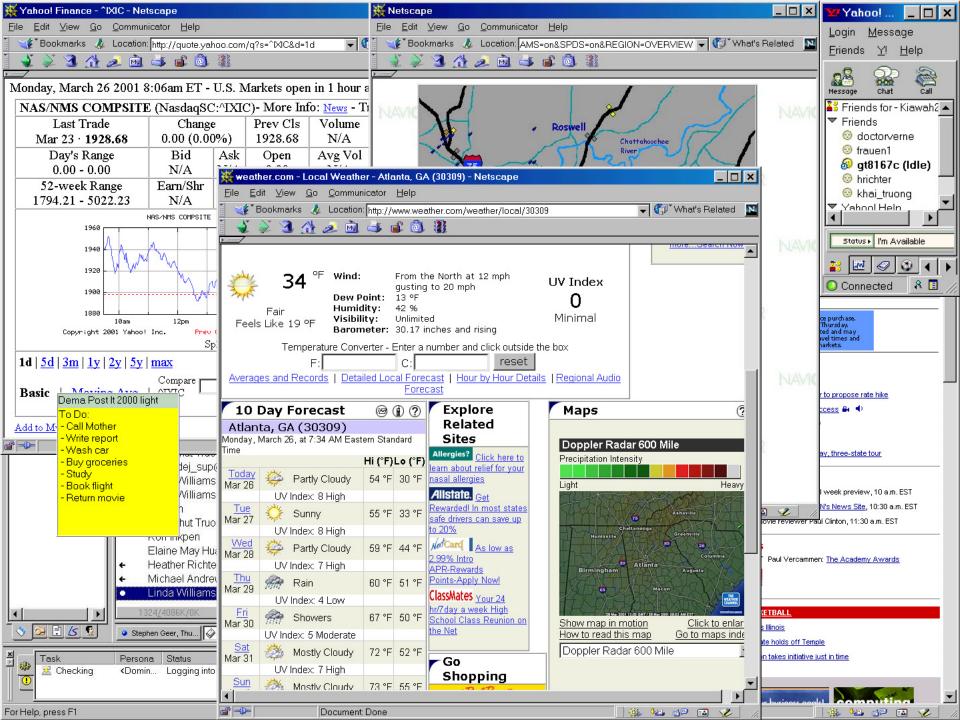


#### **Personal Information**

- Examples: news, financial, weather, traffic, personal communication, ...
- Desire to maintain a level of awareness
- Information varies from person to person







## Our Goals & Design Principles

- Peripheral Calm and not disruptive
- Personalized Highly customizable
- Consolidated Integrated view of all desired data
- Secure Obscure personal data
- Elegant Enhance a person's environment





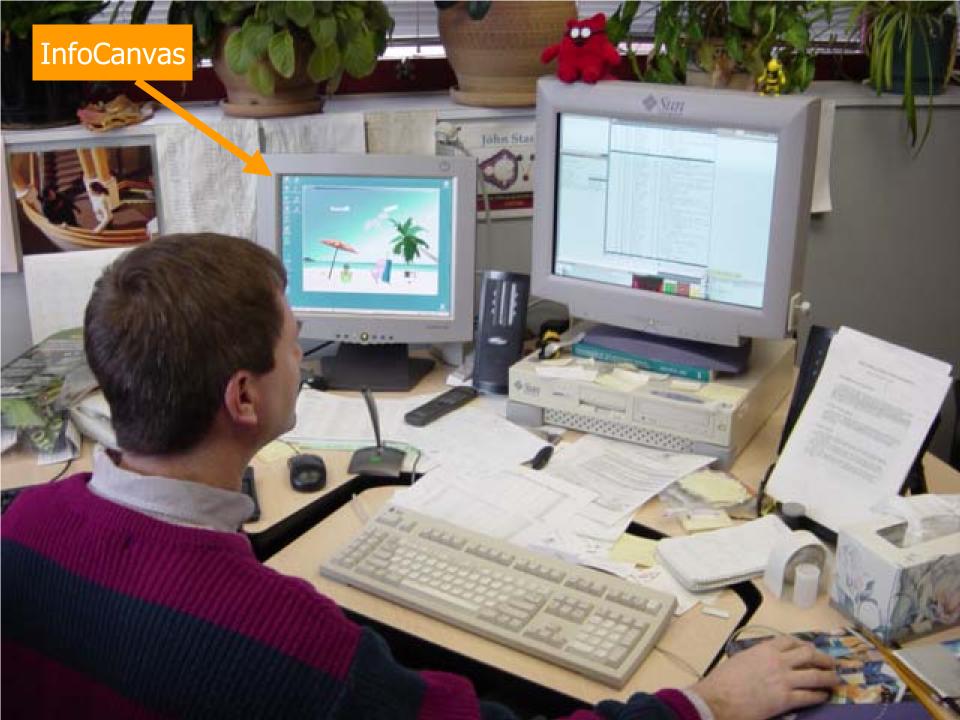
## The InfoCanvas

Shannon Bauman, Julie Isaacs, Jehan Moghazy, Chris Plaue, Zach Pousman

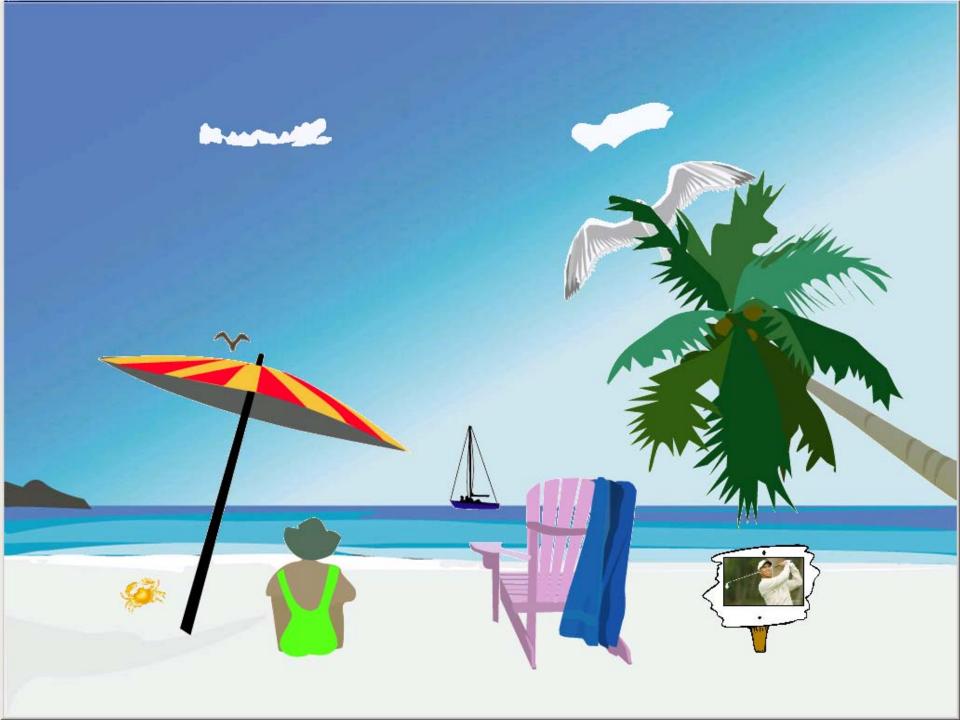
- "Information Art"
- An ambient LCD display
  - Like picture on desk or hung on wall
- Presents an eye-pleasing picture
- Elements of picture represent data and subtly change
- Allow the user to define both the information and its representation

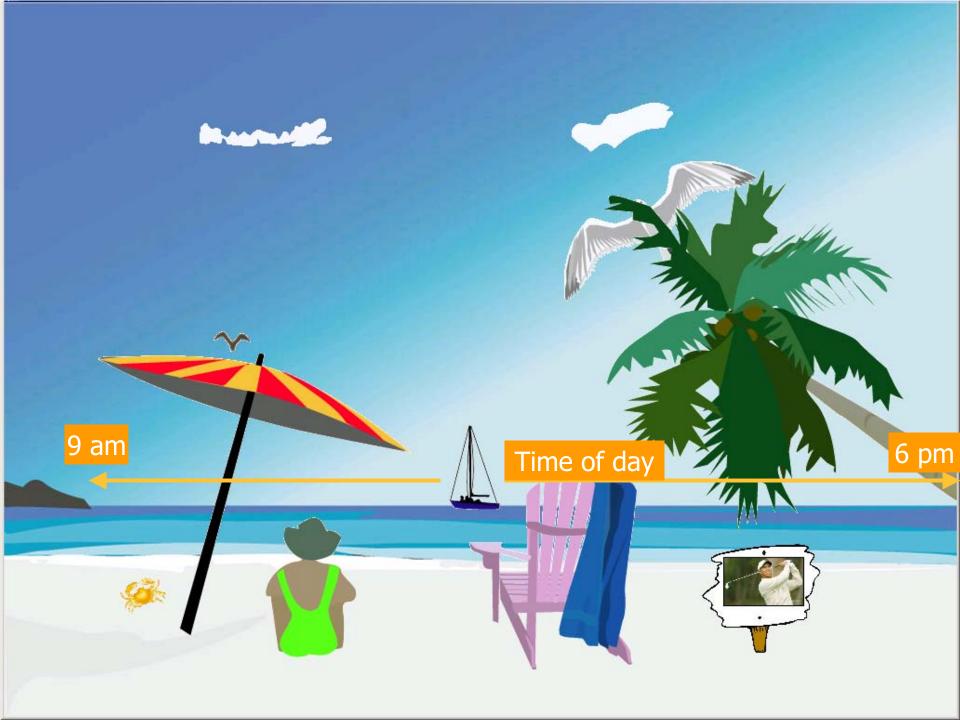


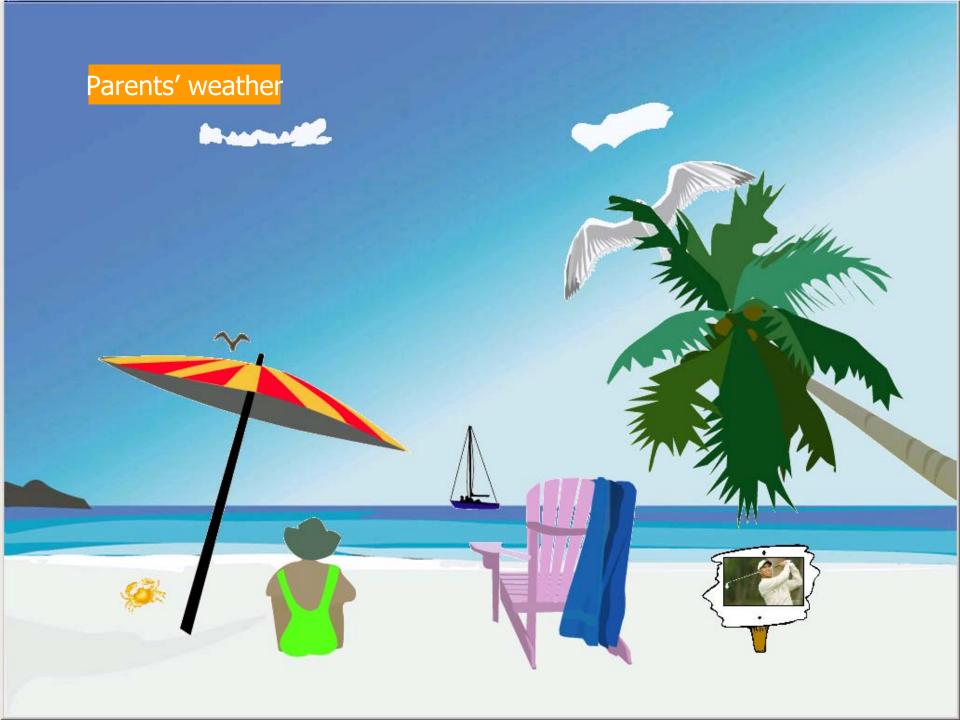




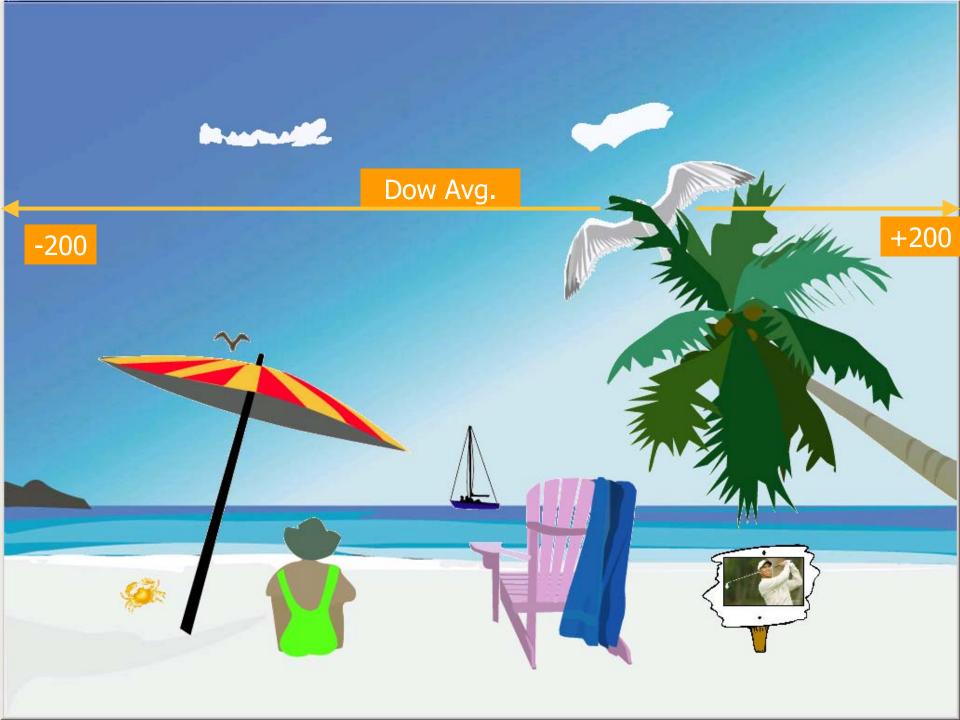


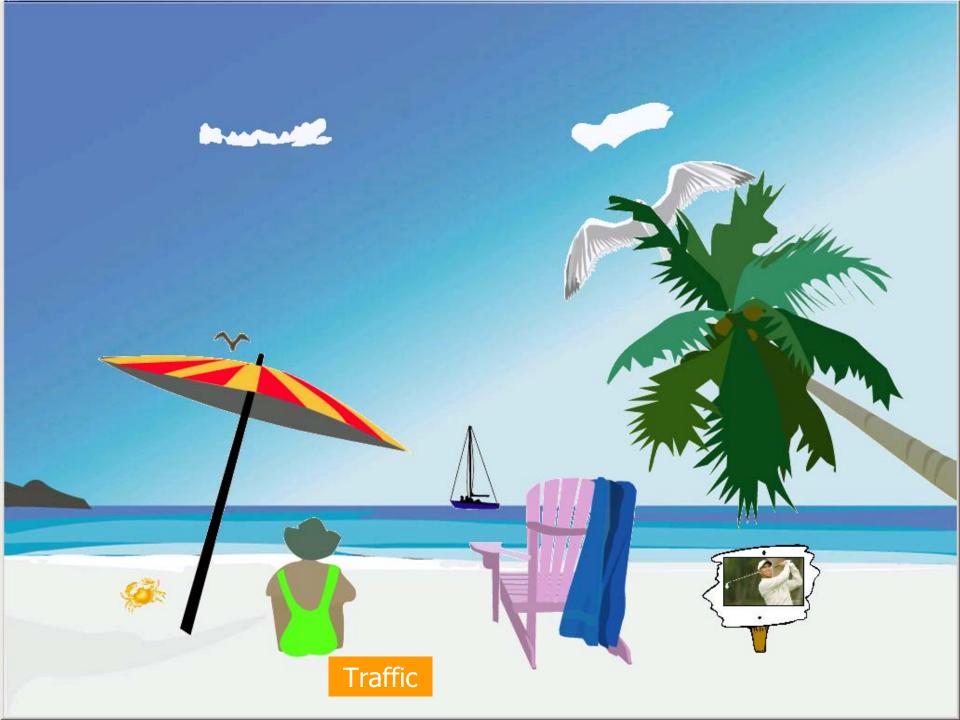


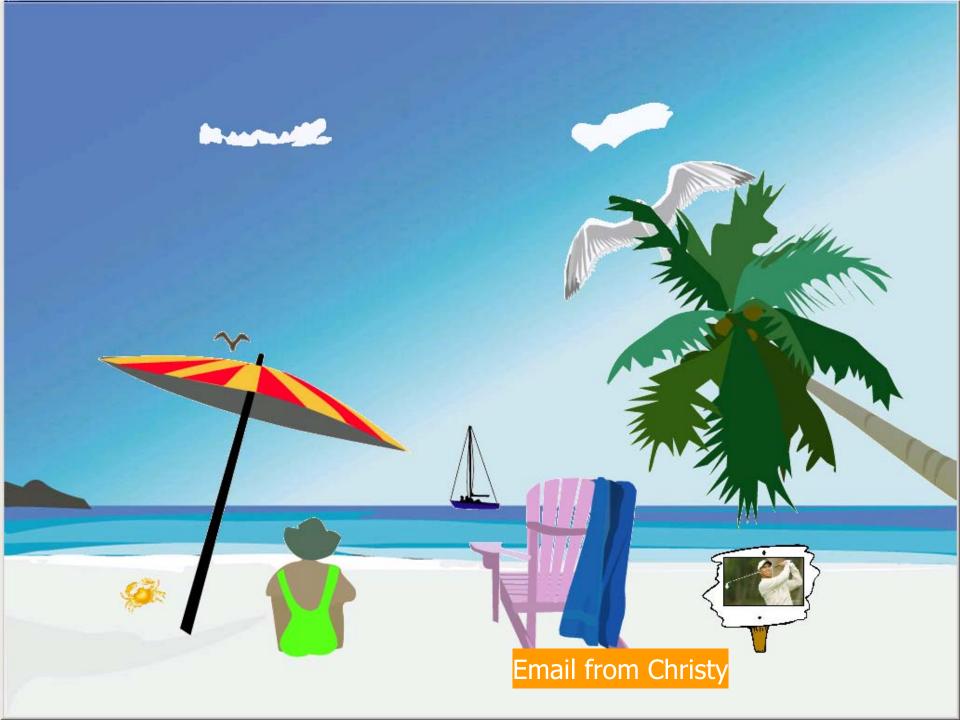


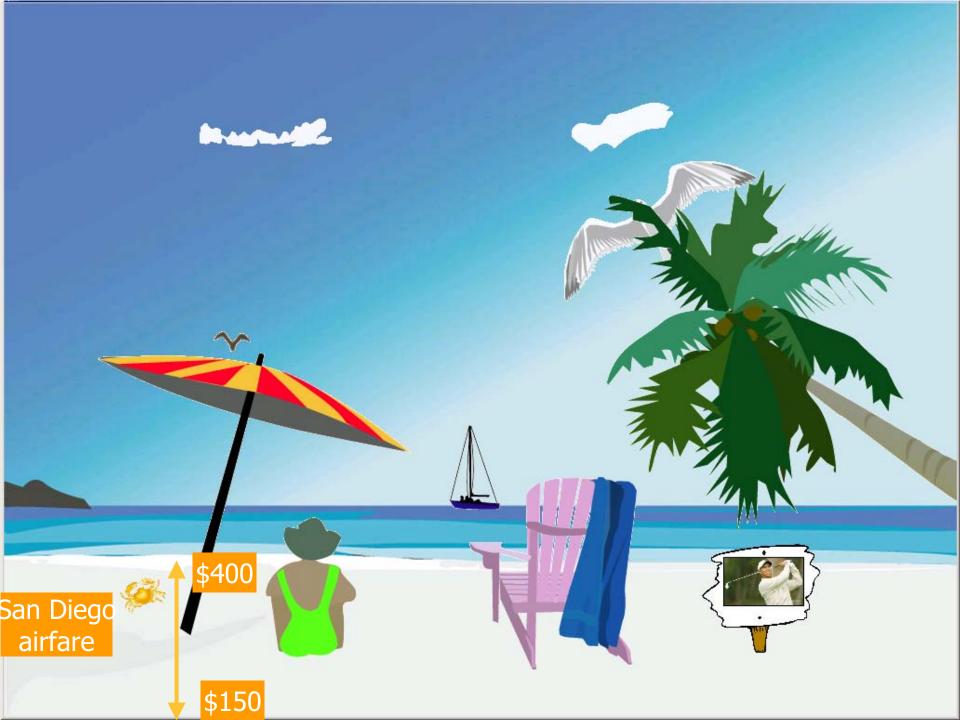


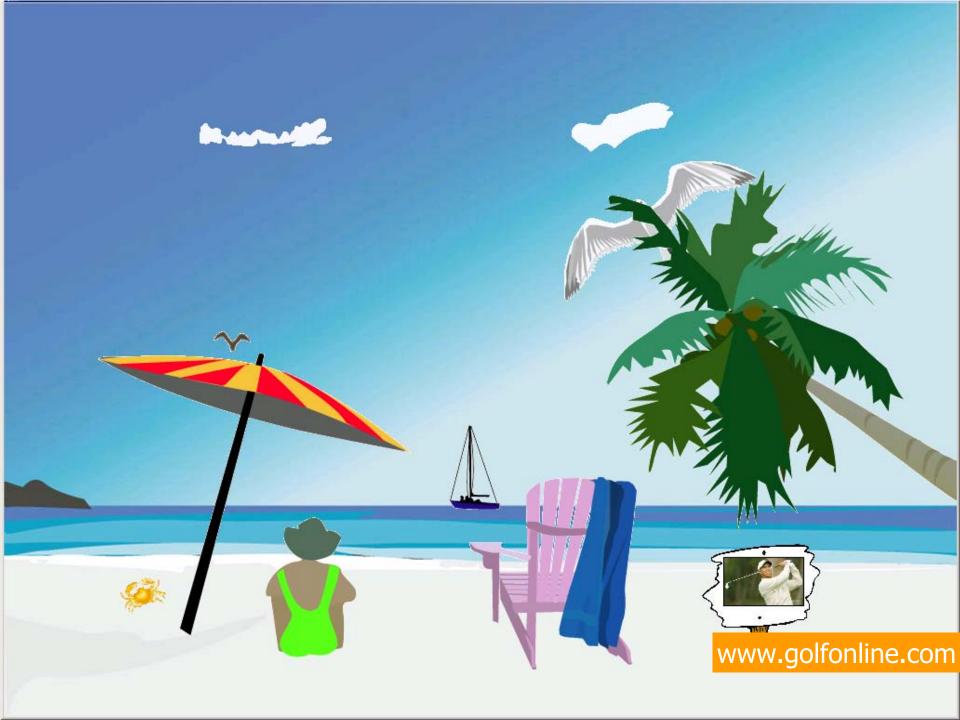












## **Current System**

- Do canvas design informally
- Hand-implement mappings
- Full-featured run-time system

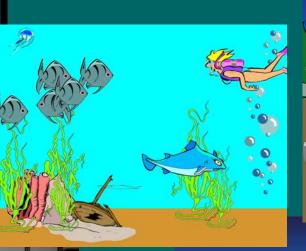




## **Canvas Themes**









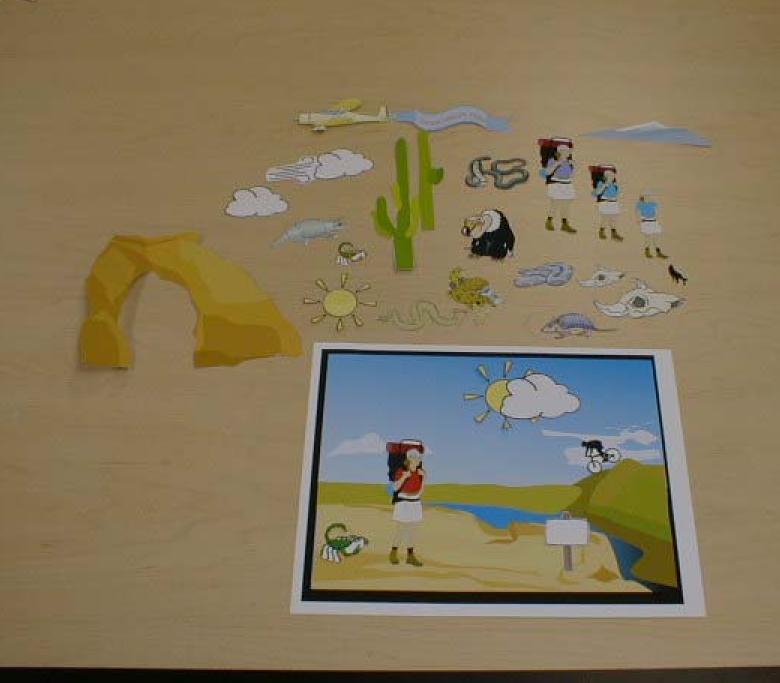












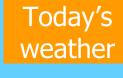
## **User Study**

- Purchased second monitors and video cards
- Working with three initial participants
- They choose
  - Data to monitor
  - Canvas theme
  - Data representations and positions











Tomorrow's weather

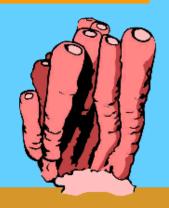


Coke stock



Mexico fare <\$300

#### Temperature





"Evolution" on NY Times Sci page







#### Email volume















Analysts' View: Where Is Saddam's R



News headline

Tomorrow's forecast



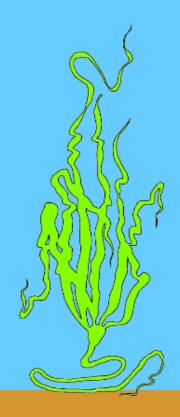
Email



Email



Mutual fund price





Time

## **Ongoing Efforts**

- "Glanceability" study
  - In ~7 seconds, do I get more info from

InfoCanvas

MyYahoo

Pure text

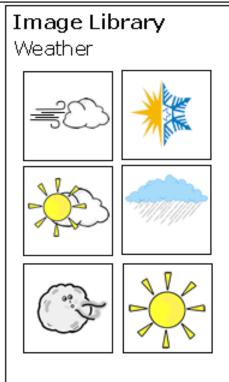
**Sideshow** 

Design tool









### **Data**



Banking/Finance Email Traffic Westher Web lamges Web Text

Current Temp Current Canditian

Tamariaw Temp Tamariaw Canditian Starm Warning

Zipoade ta mankar

30032

Measure temperatures in ●°C O°F

## 2 Data Details 3 Transformation

● Grow (Scale) O Move (Slide) O Set value ranges

