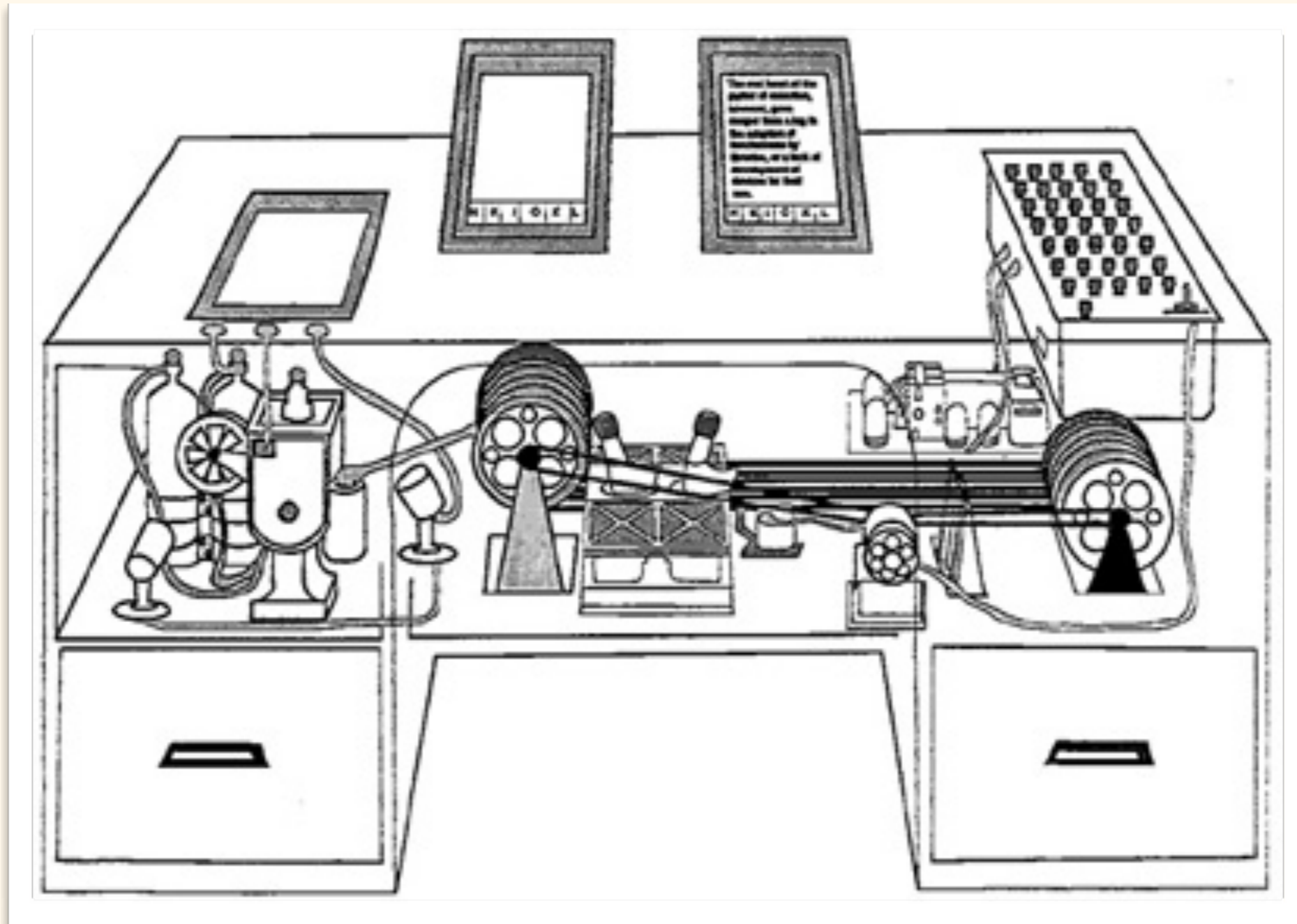


# CS 5/635: Information Retrieval



4/4/2017: Intro & Course Logistics

# Plan for today:

1. Overview of course
2. What is information?
3. Introductory Lecture!
4. Assignment #1

# Course overview:

Website/Syllabus:

<http://cslu.ohsu.edu/~bedricks/courses/cs635/>

Readings!

Discussions!

Assignments!

Project!

Grading!

# What is information?

“A difference which makes a difference”

– Gregory Bateson

“Information can be any difference you perceive, in your environment or within yourself. It is any aspect that you notice in the pattern of reality.”

– Donald Case

# Information Hierarchy:

## Data

Raw material of information

## Information

Data organized and presented in a particular manner

## Knowledge

“Justified true belief”

Information that can be acted upon

## Wisdom

Distilled and integrated knowledge

High-level “understanding”

# Example:

## Data

98.6° F, 99.5° F, 100.3° F, 101° F

## Information

Hourly body temperature: 98.6° F, 99.5° F, 100.3° F...

## Knowledge

If you have a temperature above 100°F, and it is increasing, you likely have a fever.

## Wisdom

If you don't feel well, go to see a doctor.

# Types of information:

## Text

### Structured documents

XML, etc.

## Images

Photos, scanned docs, etc.

## Video

Movies, news clips, cat videos, etc.

## People

Experts, contacts, conversation partners, etc.

## Services

Entertainment, schools, doctors, etc.

Introductory lecture...

Assignment!