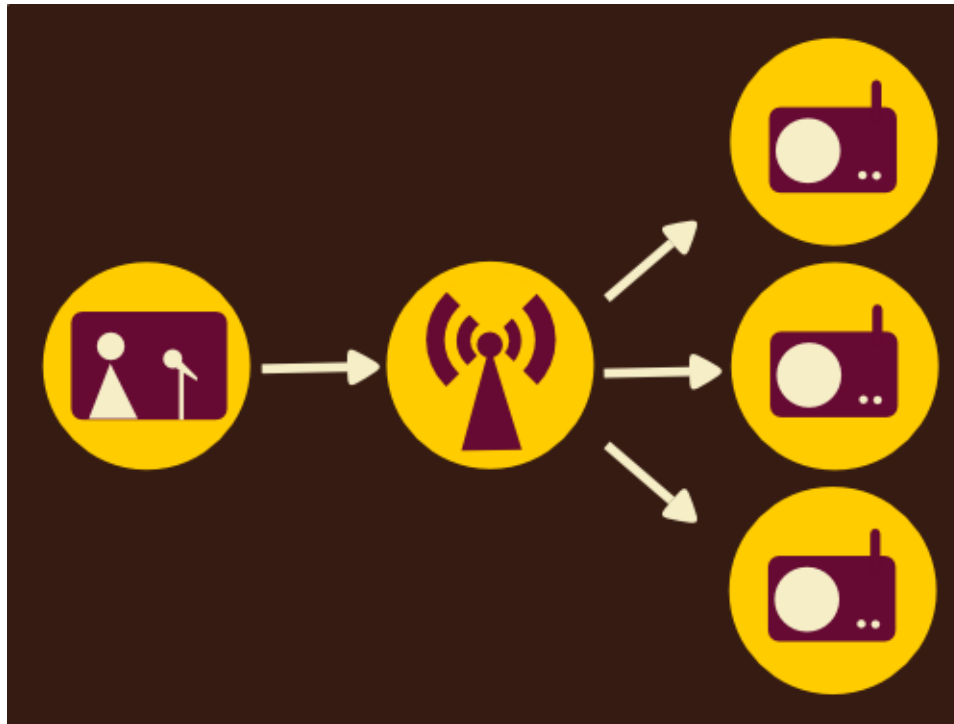
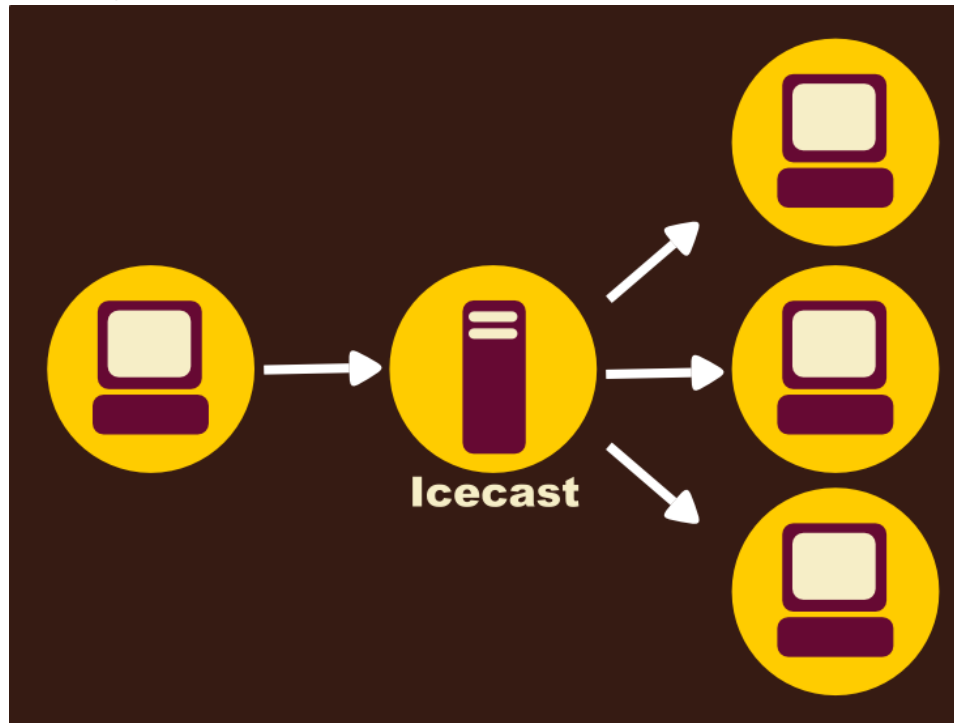


# radio vs stream

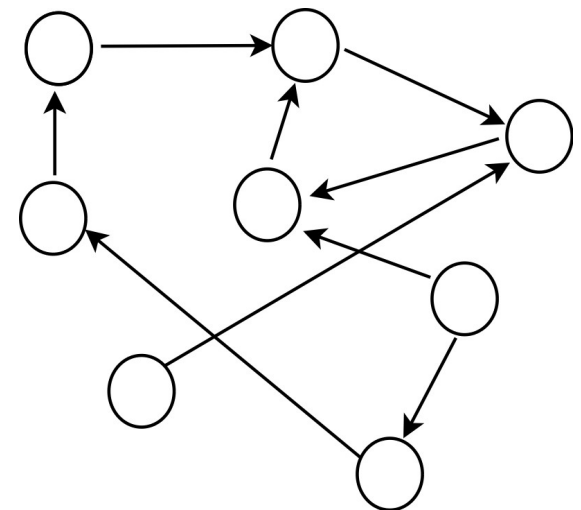
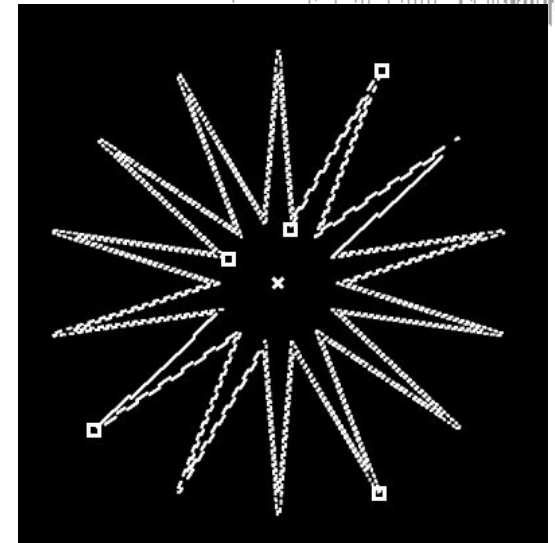


# radio vs stream



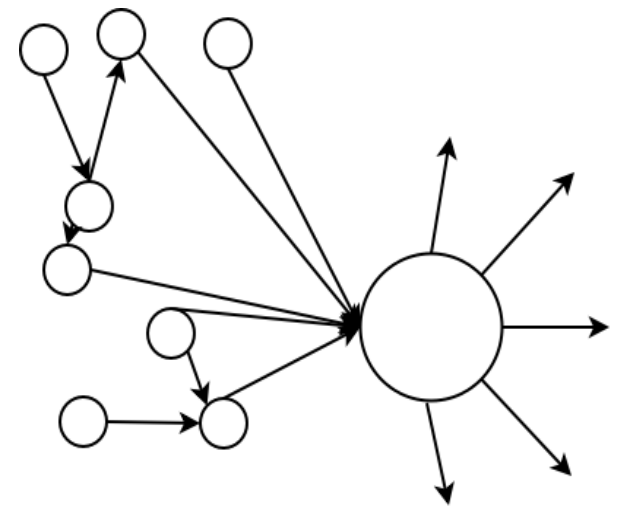
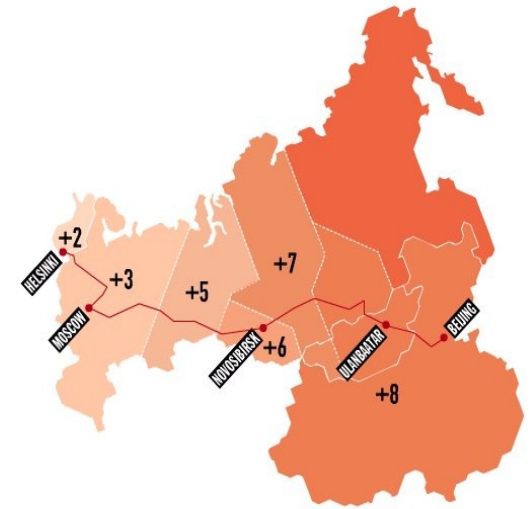
# experiments with network models

- xchange (1998)
- multiple simultaneous live streams
- no one source
- no one end point
- no authorship
- bandwidth aesthetics
- the network as a medium



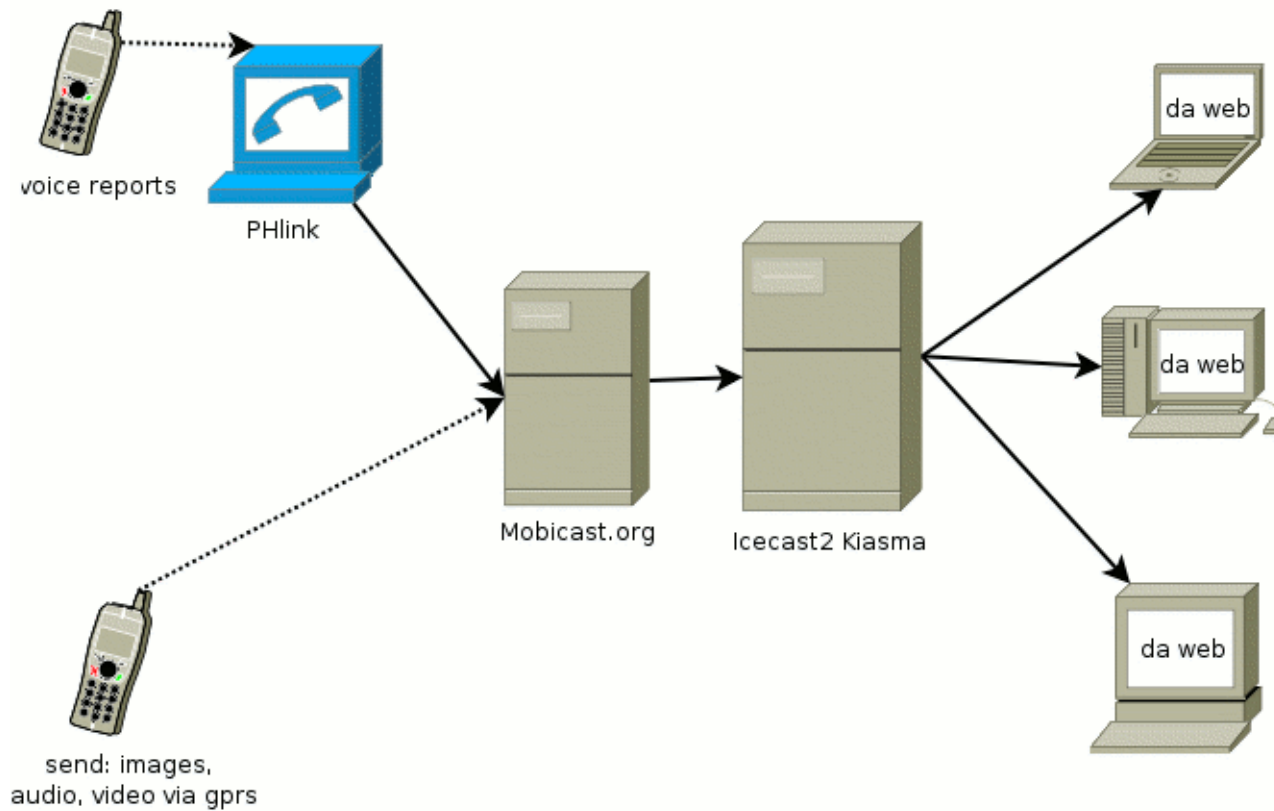
# experiments with network models

- trans-siberia (2005)
- multiple simultaneous source points
- one end point
- no authorship
- bandwidth aesthetics
- the network as a medium



# experiments with network models

- trans-siberia (2005)



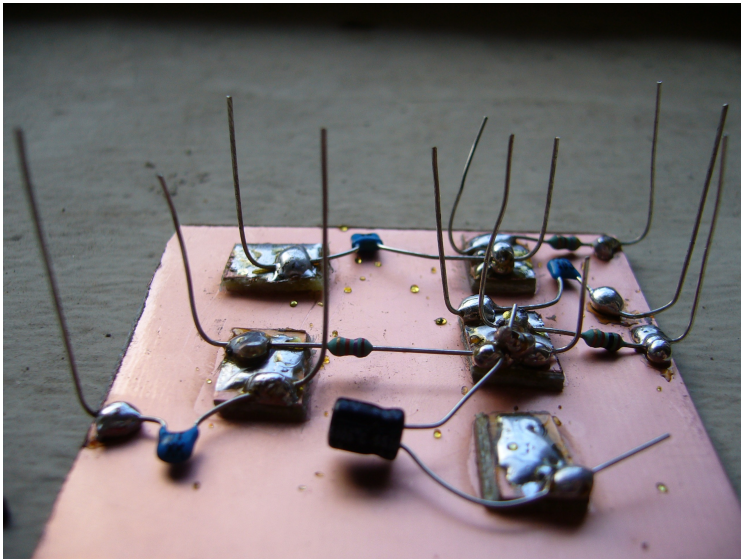
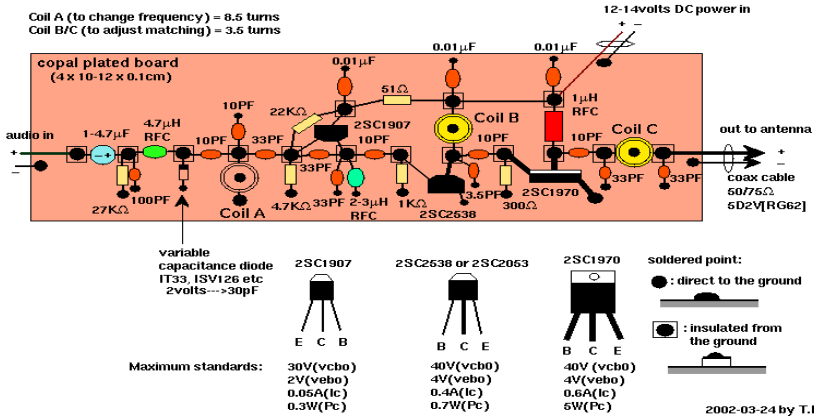
# experiments with hybrid radio



- Help B92 (1999)
- during NATO bombing
- Tactical use of internet and radio

# experiments with hybrid radio

## FM Transmitter for 88 - 108 MHz



- [fm.thing.net](http://fm.thing.net) (2000)
- mini fm (Tetsuo Kogawa)
- Hybrid use of internet and radio
- control micro transmitter from net
- is it art?

# art vs science



- makrloab (2002)
- art is a “phantom limb”





# experiments with time

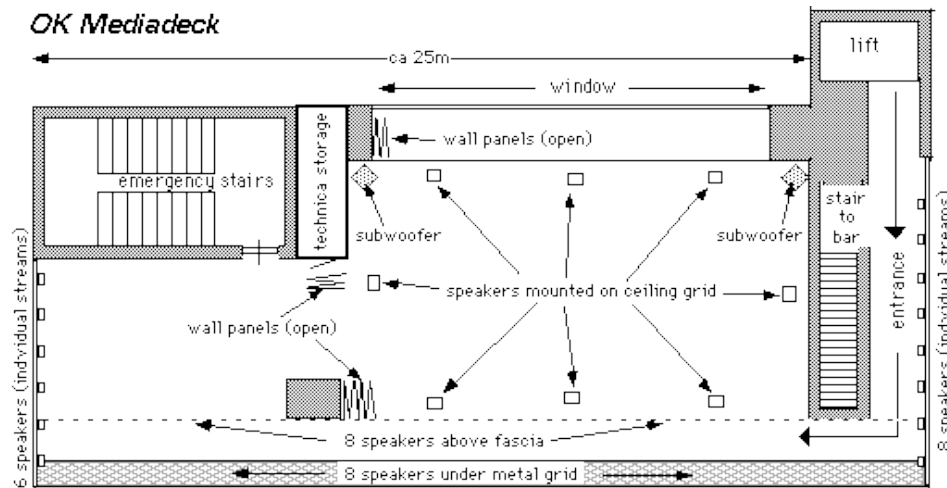


- gl^tch.bot (1998)
- automated robot
- 24/7
- with Kunstradio

# experiments with space

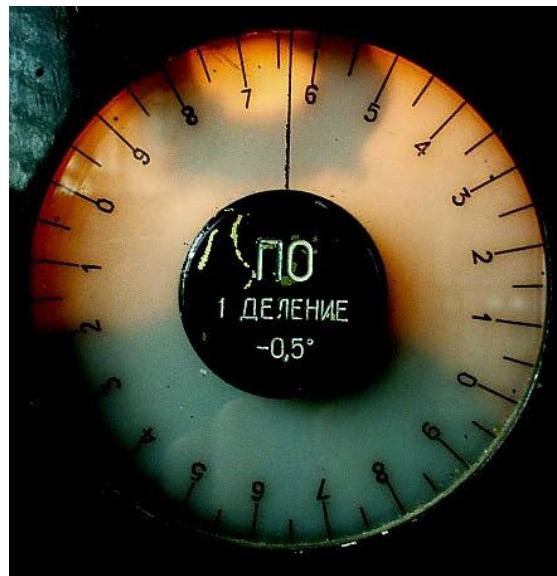


- pso.net (1999)
- automated radio recorder
- network latency
- 24/7
- with Kunstradio



# experiments with sonification

- can you listen to space?
- sonification
- the black box problem (jim campbell)





# the problem of liveness

- is sunlight live?
- nothing is live unless it is near
- tech cannot be live, it is a relay
- turing live problem
- network down, plan B (installations)
- The Time Machine (Vassa)
- RAND()



# now

- phone vs radio vs networked audio (pctn)
- everyone is a broadcaster (.sol, wifio)
- free software manuals
- tv transmitters

