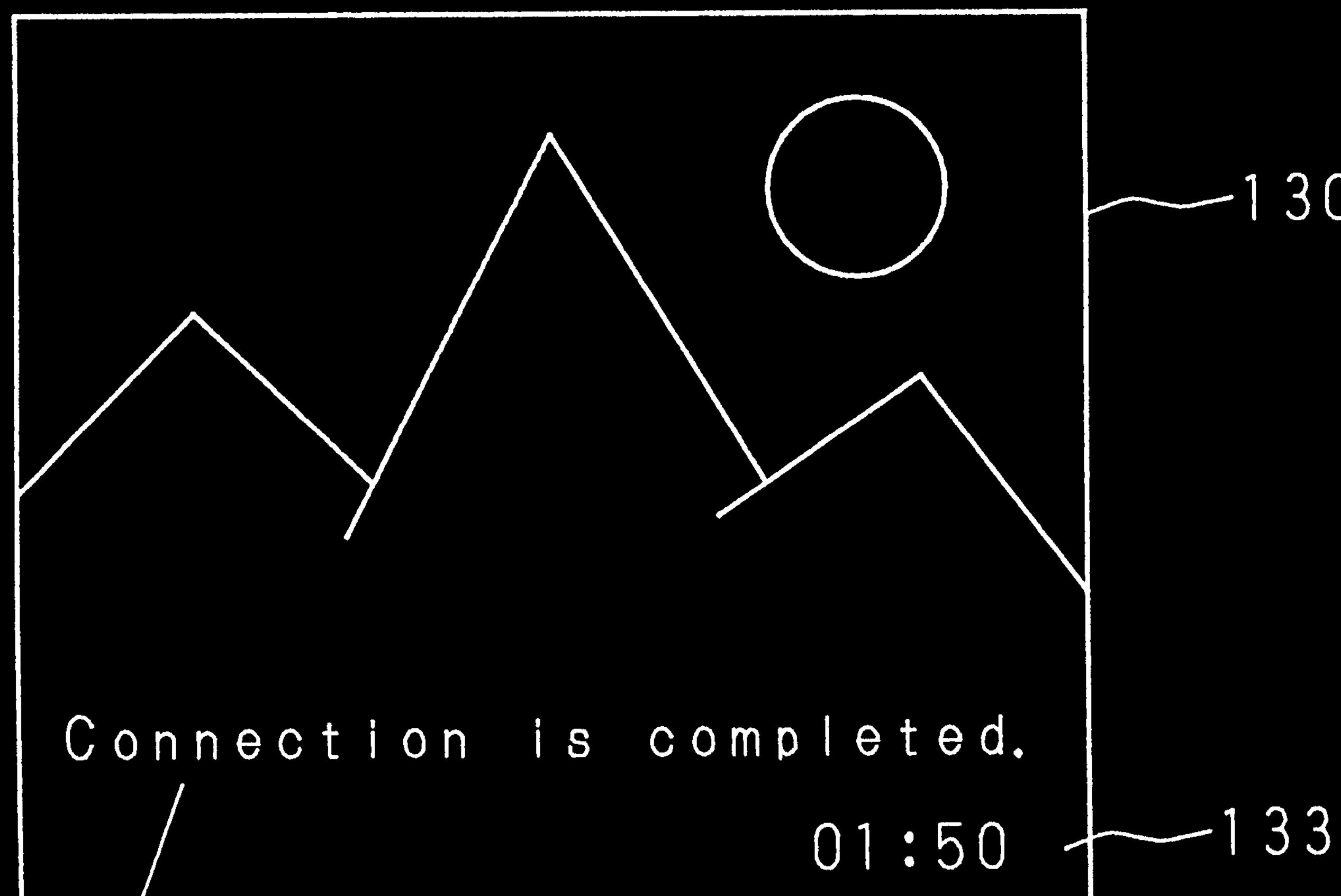


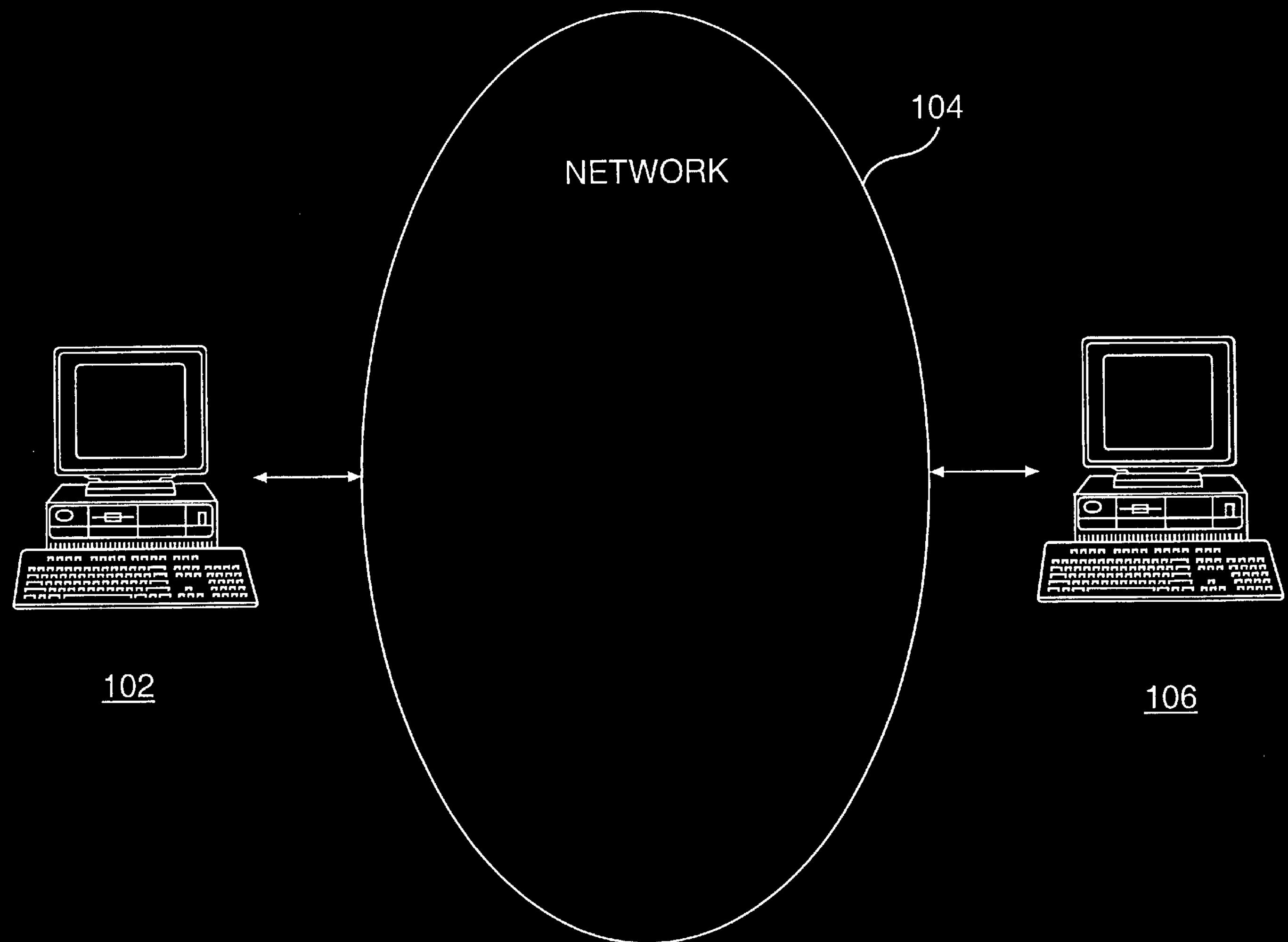
PROTOCOL  
PLATFORM  
PEERS

EARLIEST MEMORY  
OF BEING ON  
THE INTERNET

FIG. 15

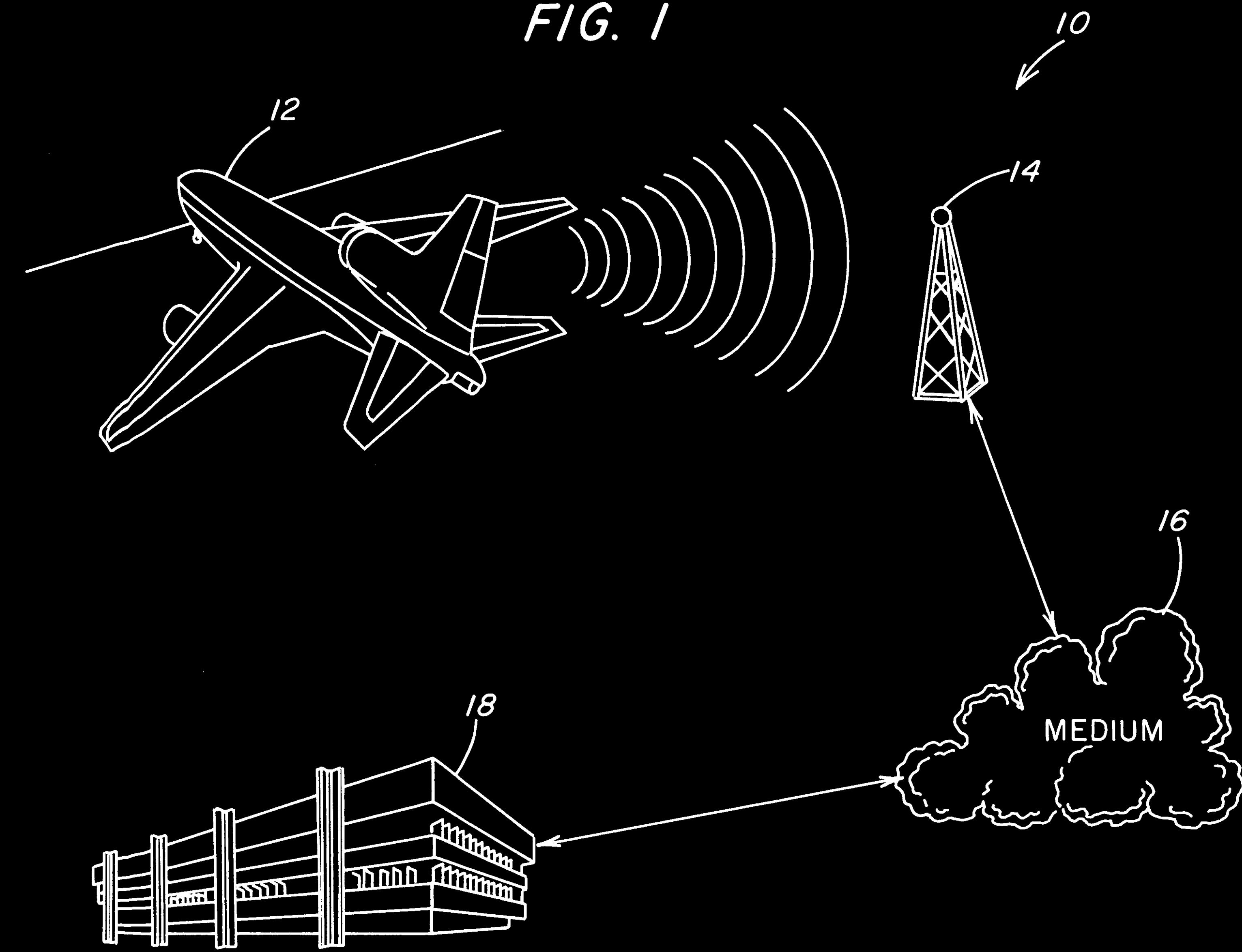


134



*FIG. 1*

*FIG. 1*



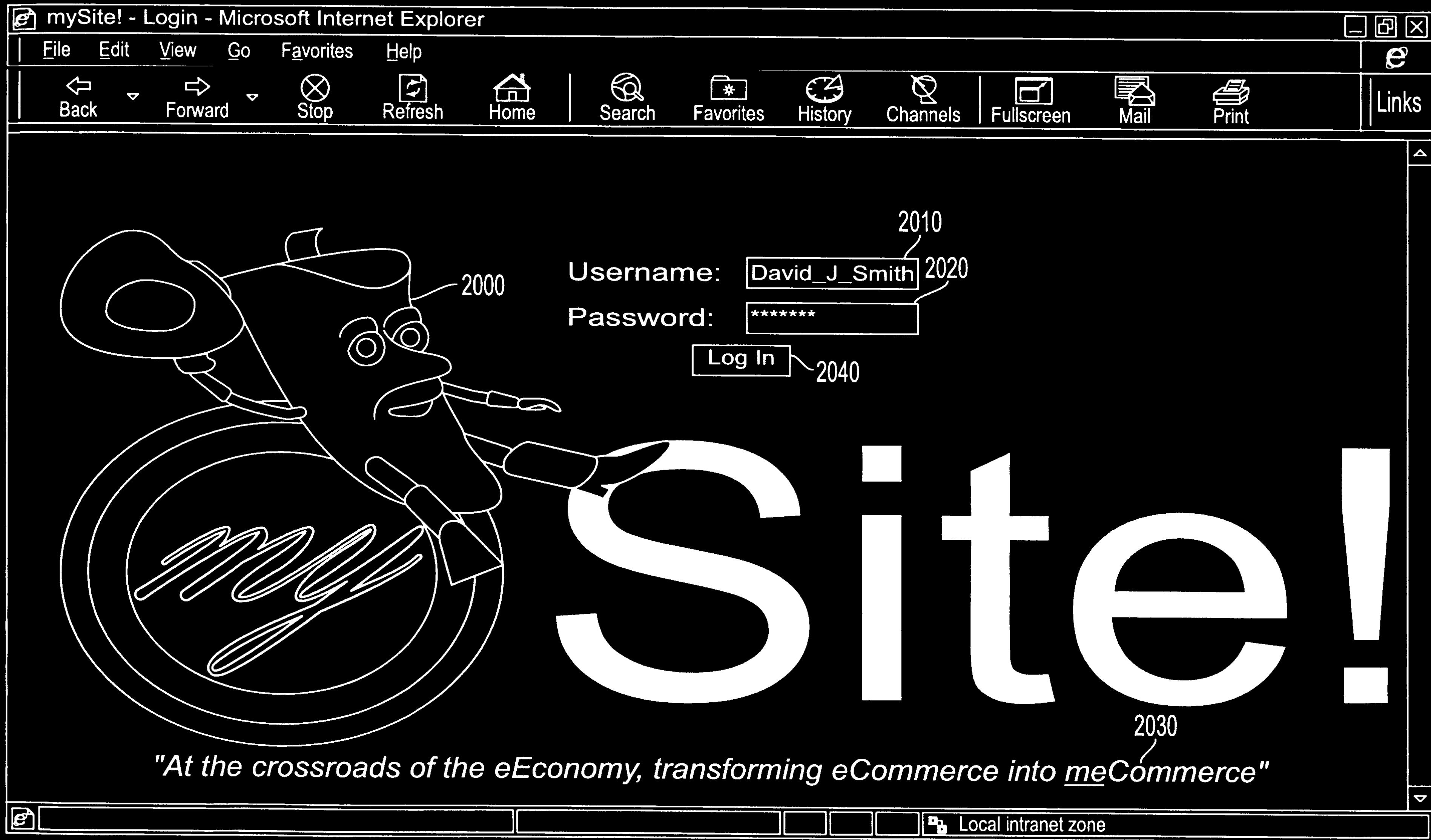


FIG. 20

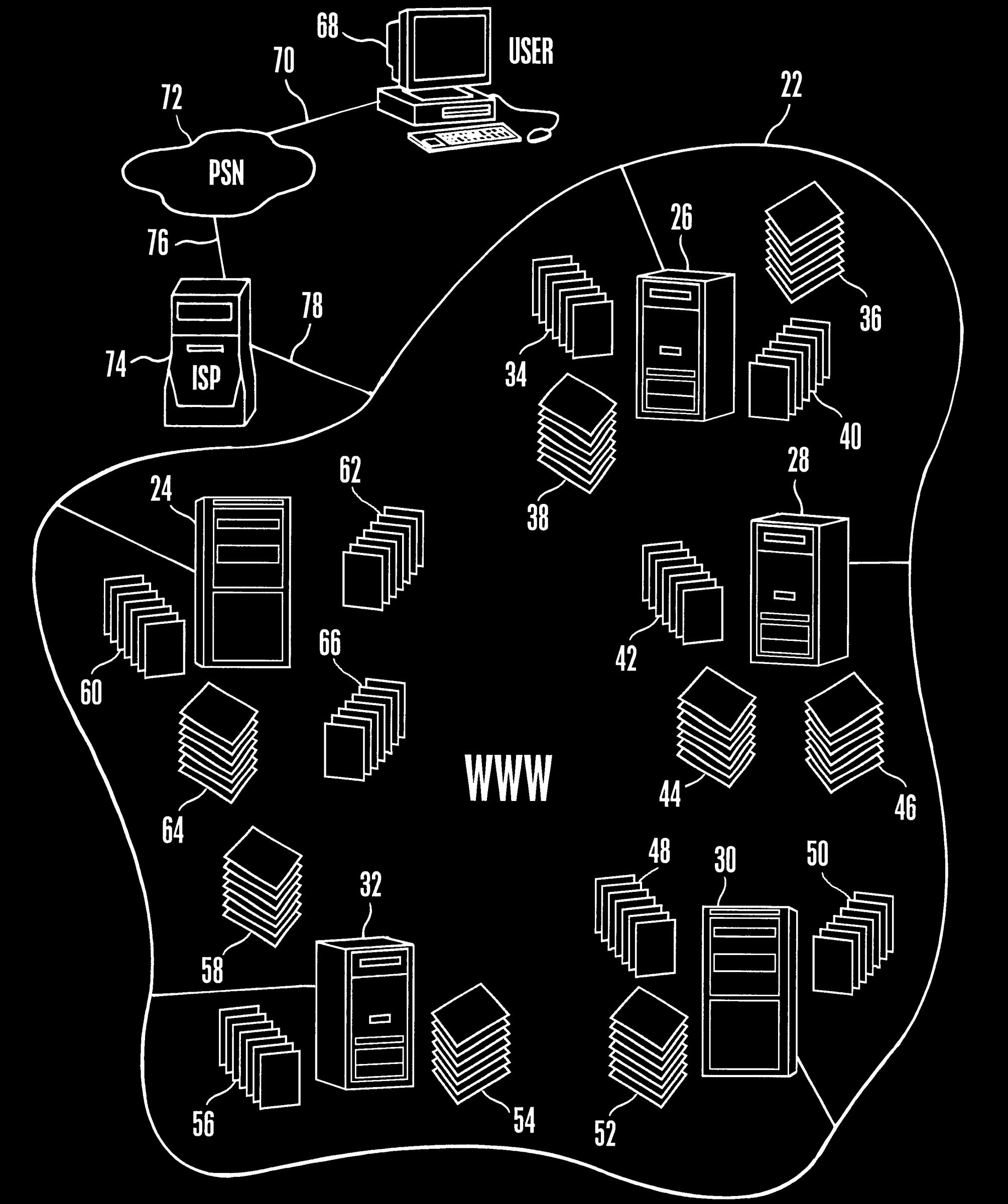
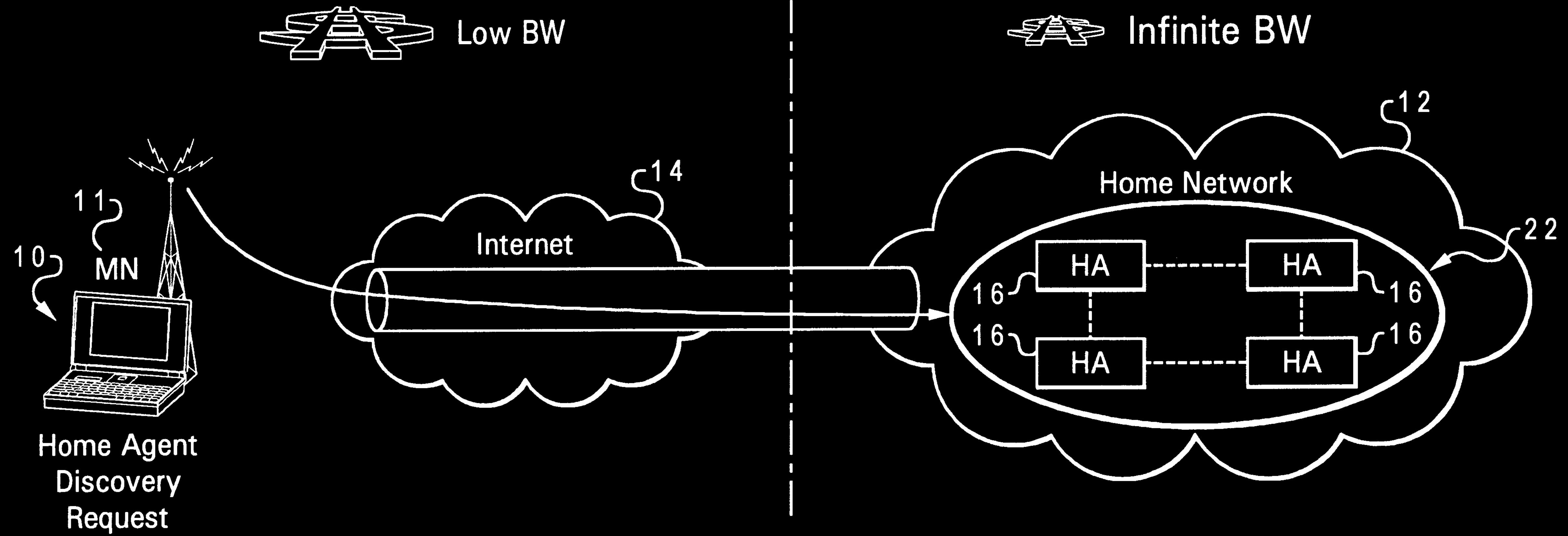
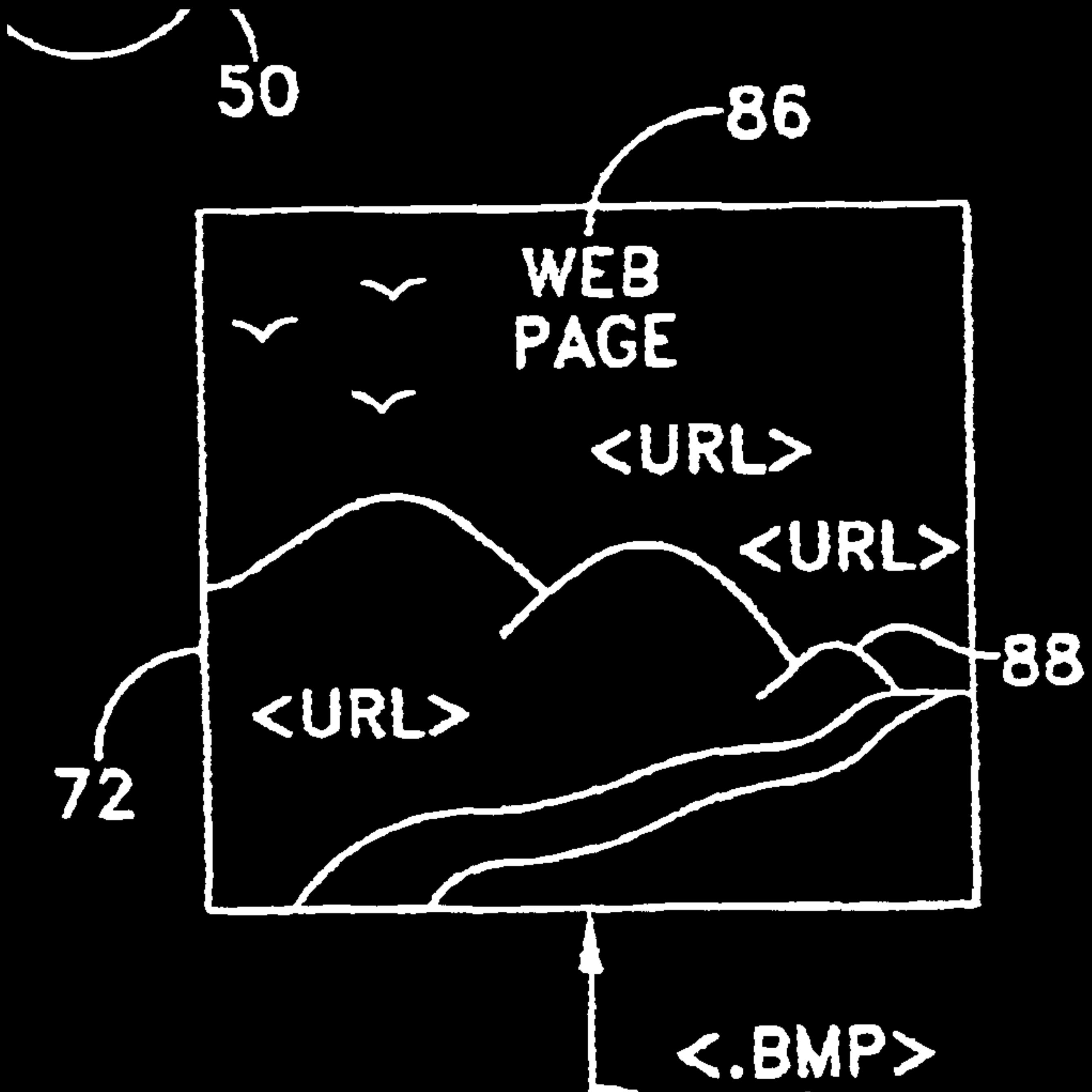
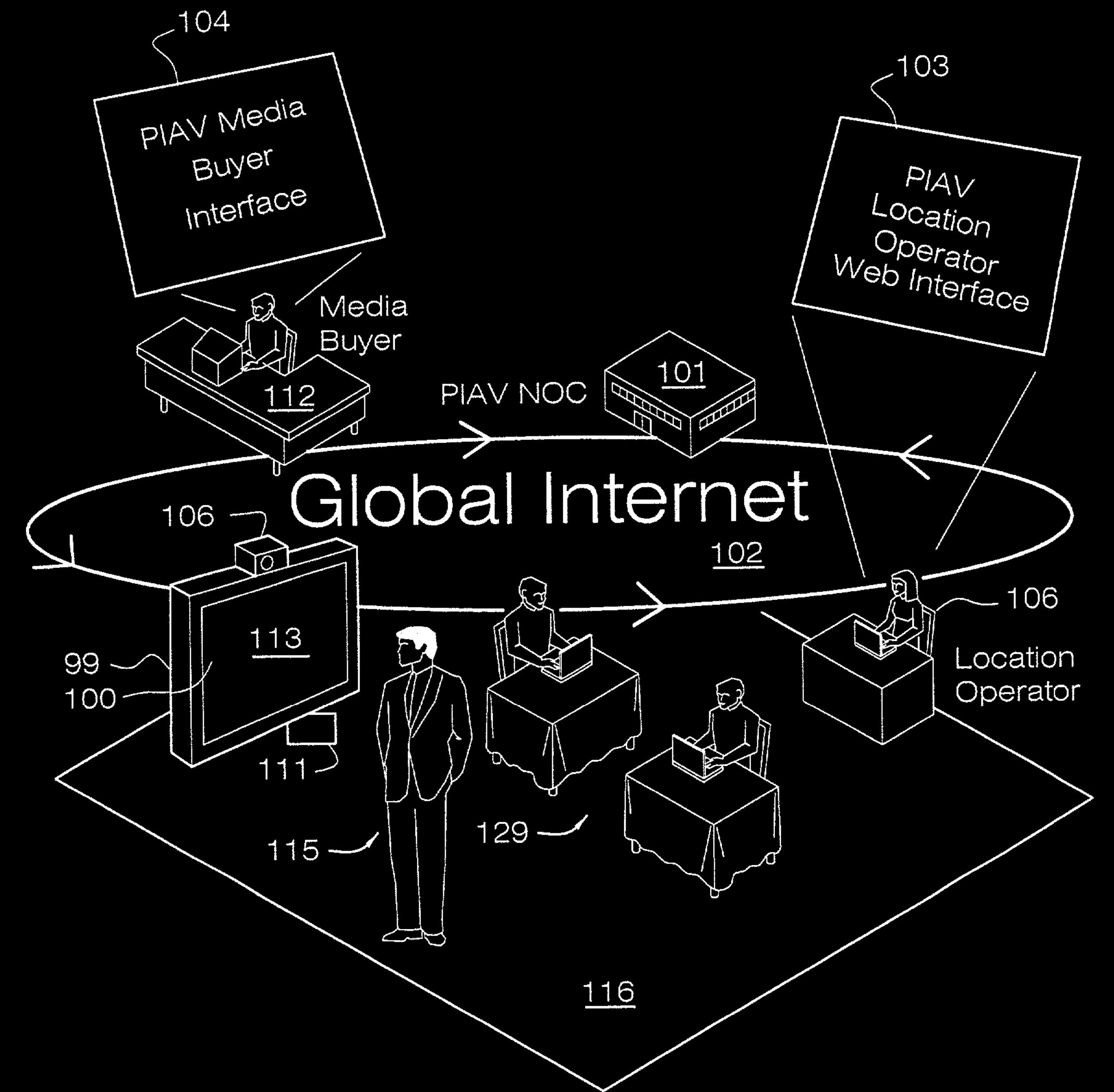
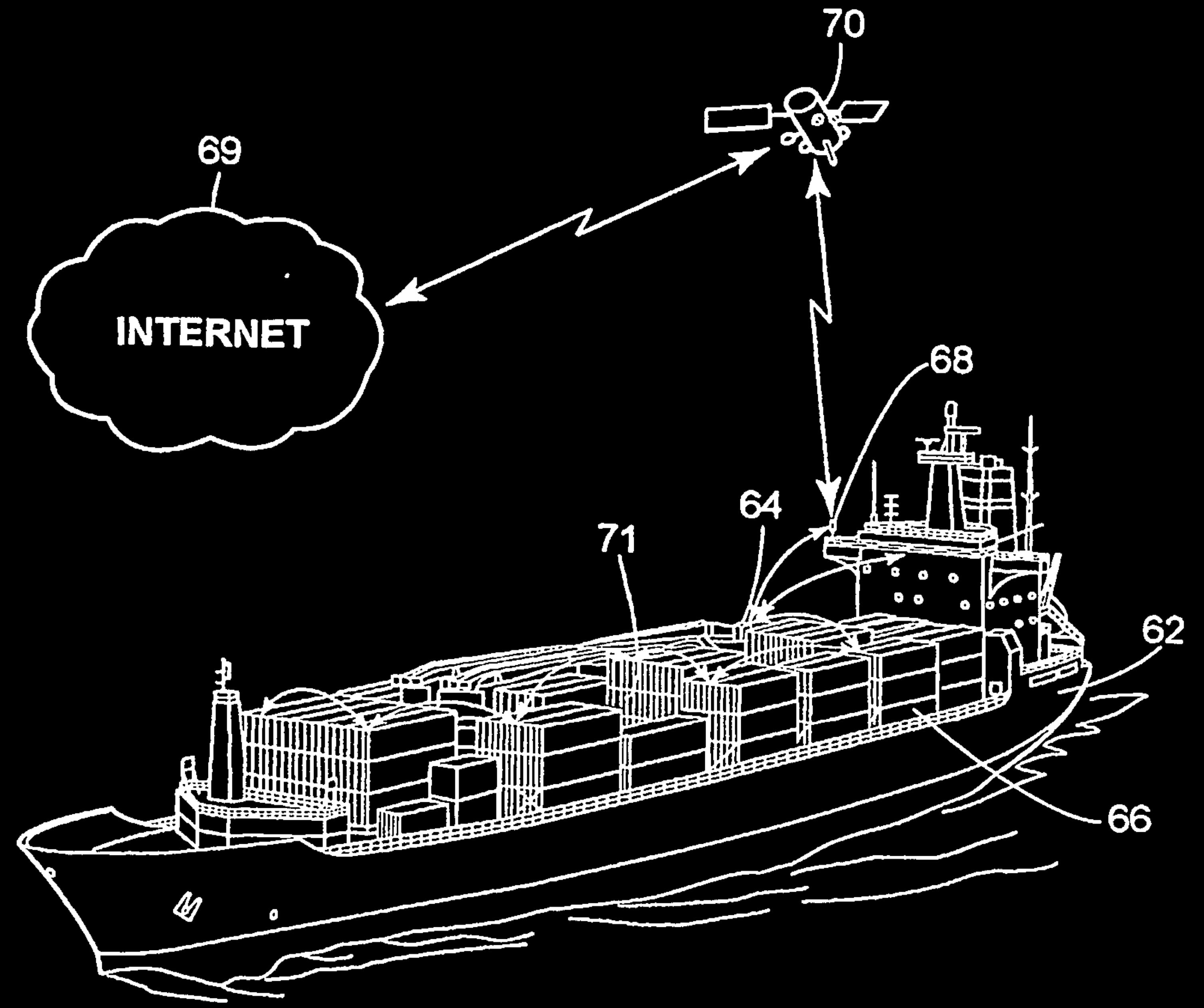


Figure 1

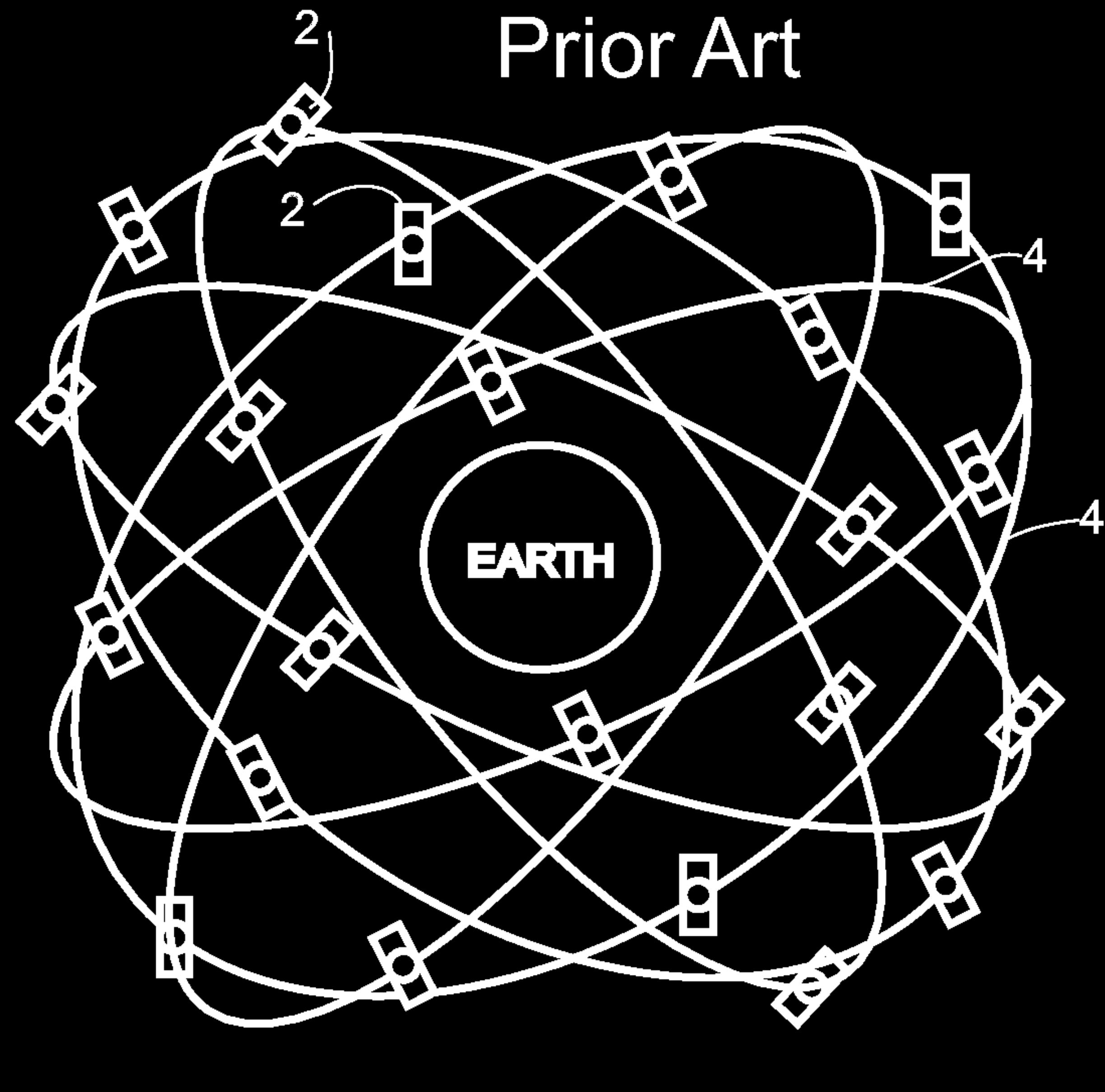








# Prior Art



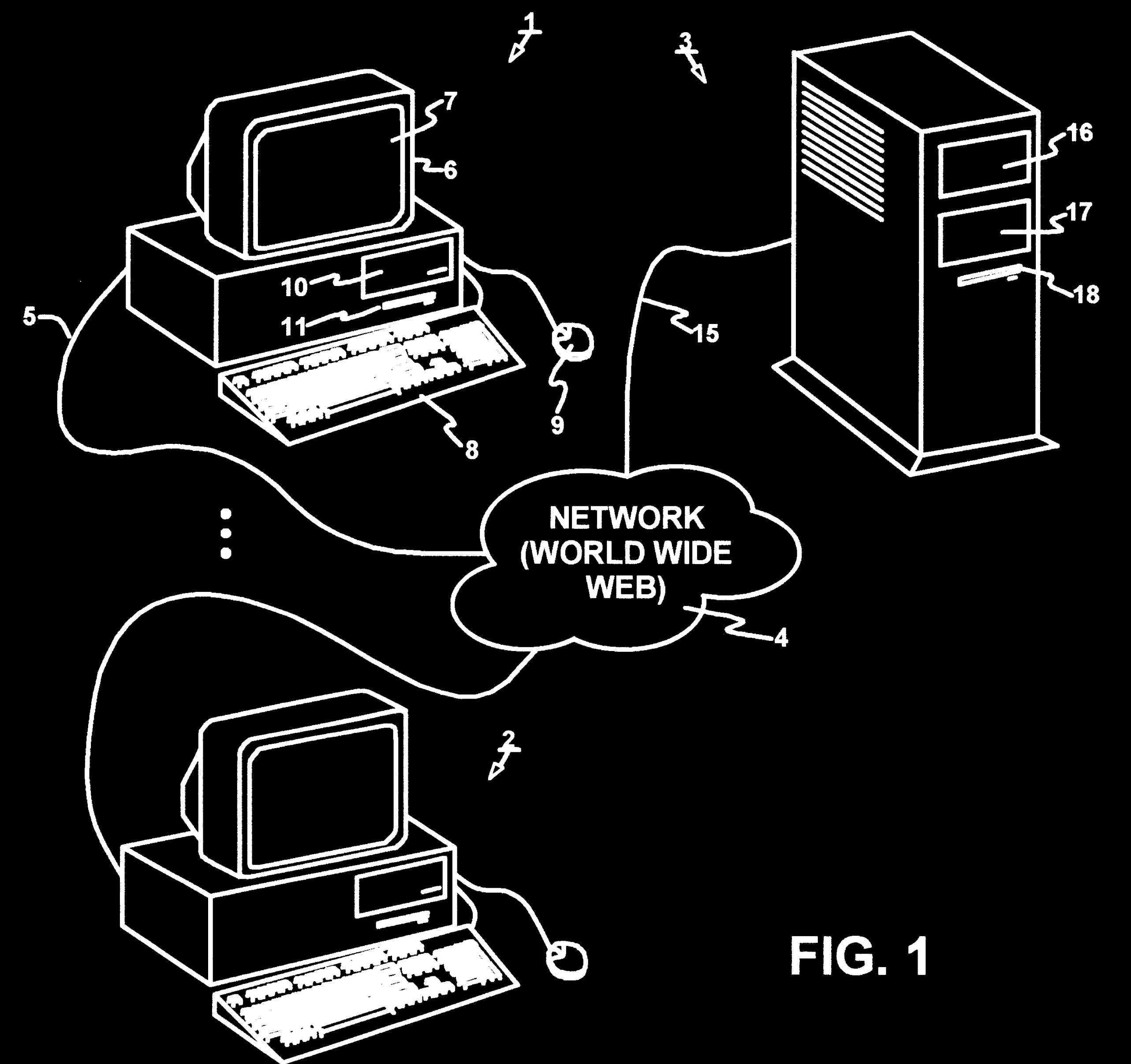


FIG. 1

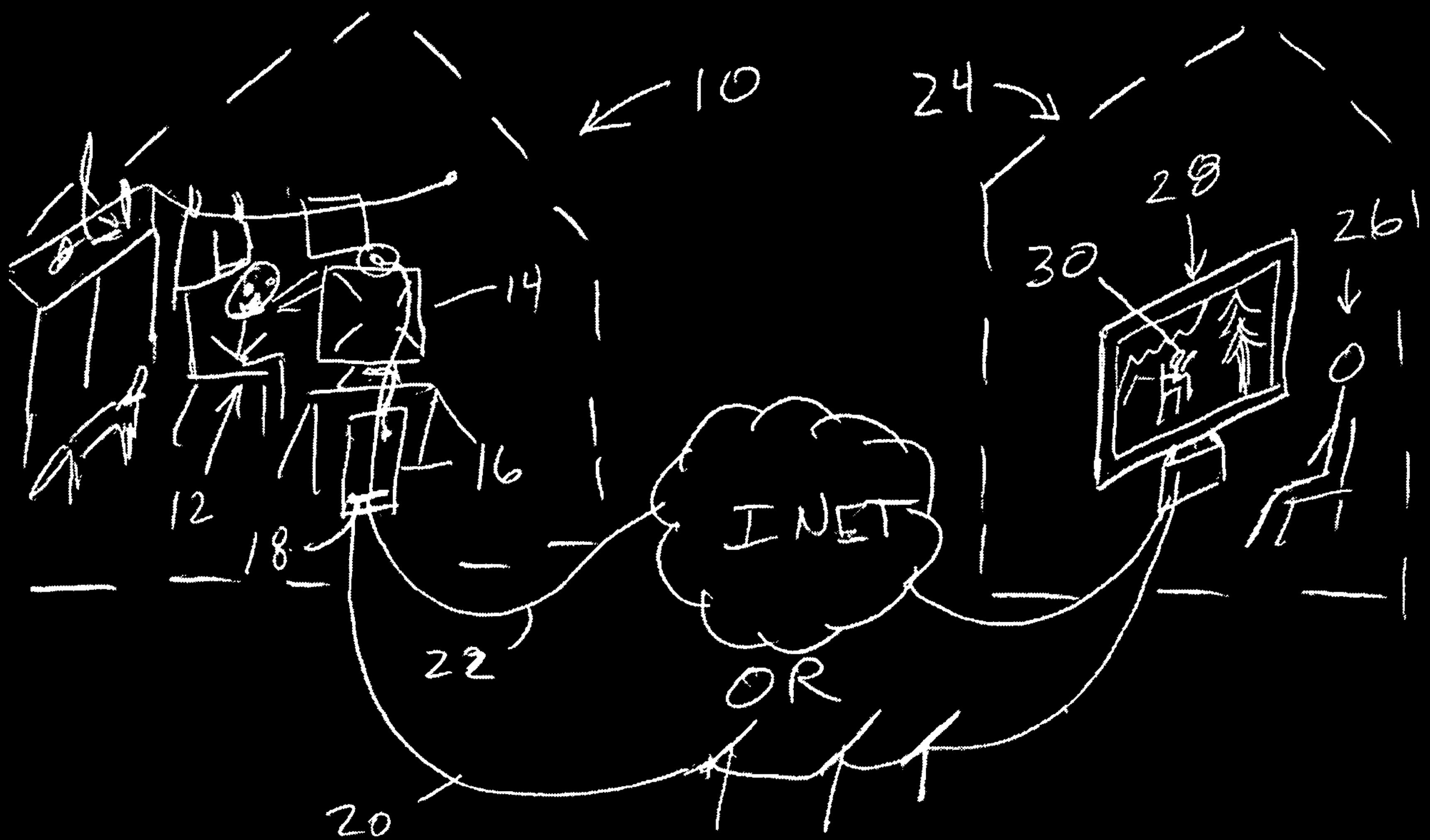
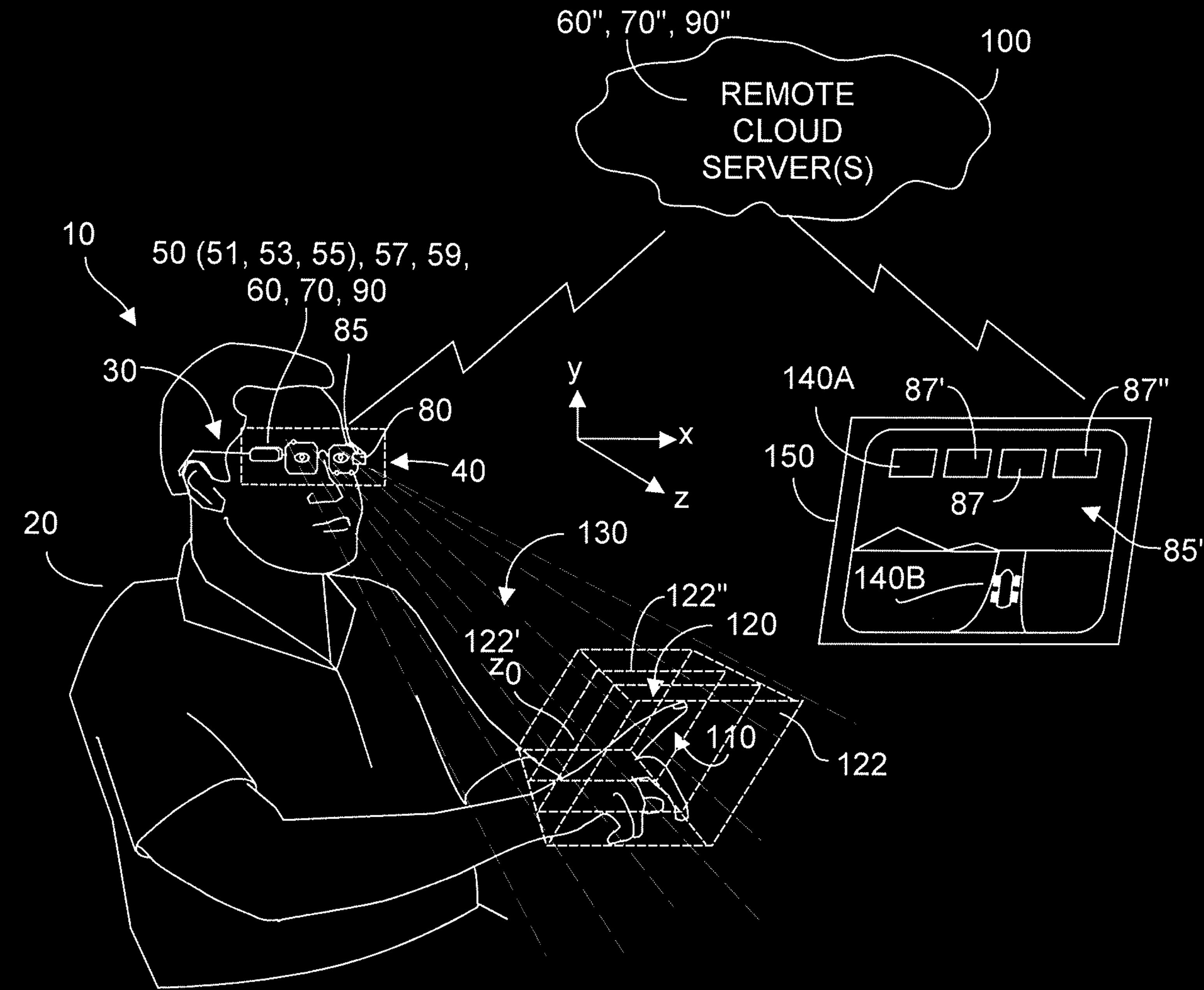
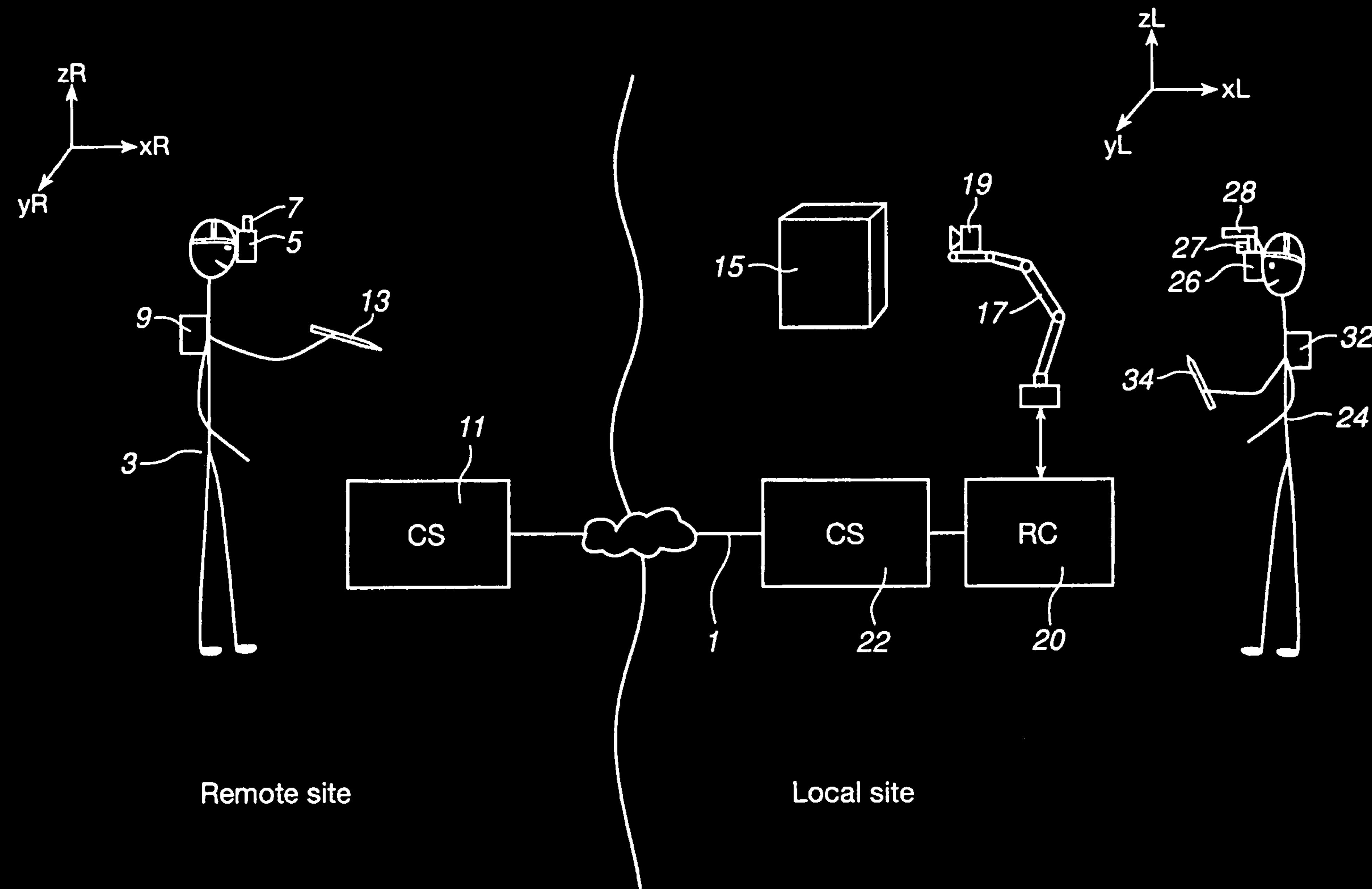
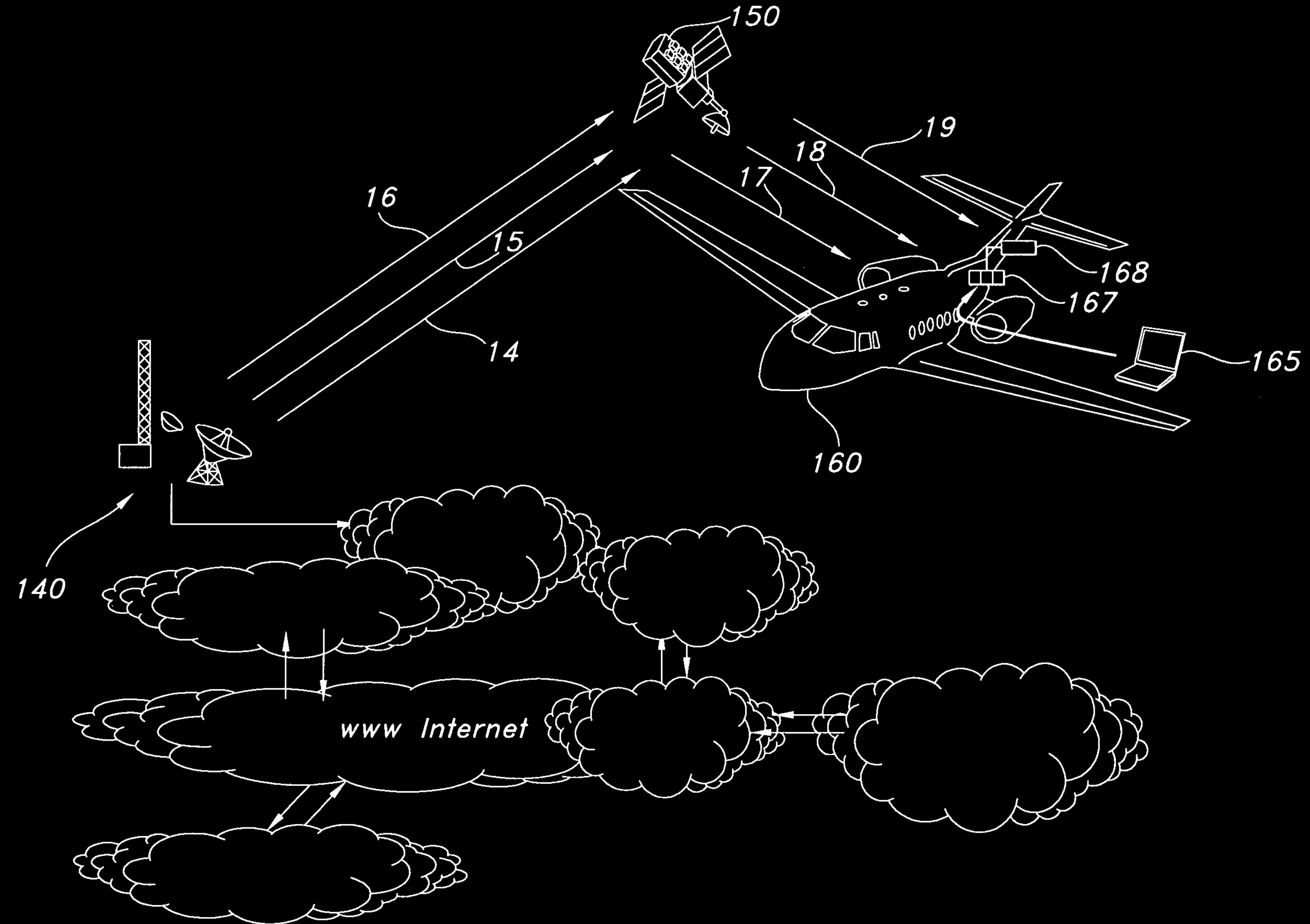


FIG. 1







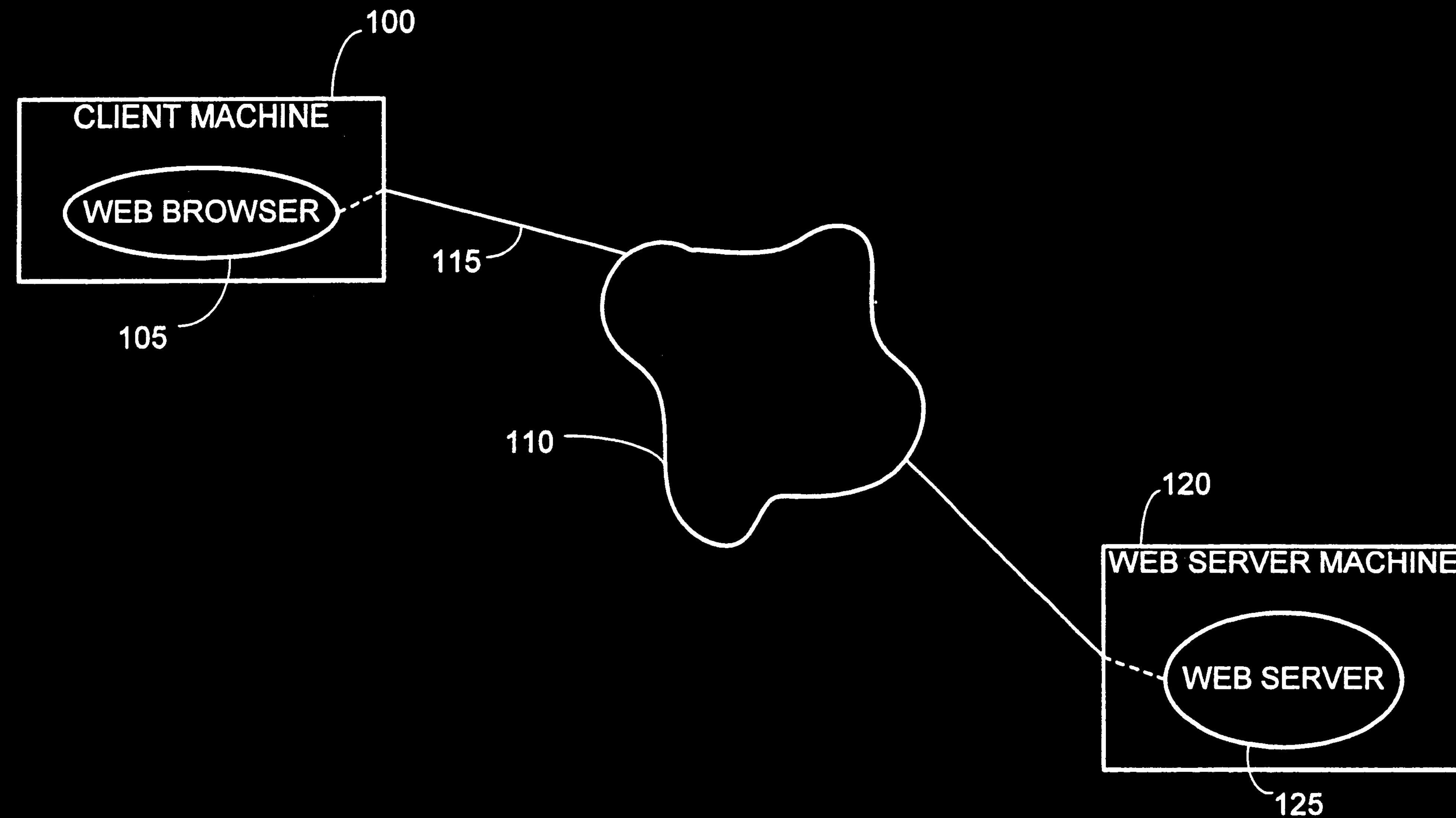


FIGURE 1.

# Protocol Politics

THE GLOBALIZATION OF INTERNET GOVERNANCE

LAURA DENARDIS



Protocol Politics: The Globalization of  
Internet Governance  
Mit Press, 2009

Laura DeNardis

# protocol

alexander r. galloway



Protocol: How Control Exists  
After Decentralization  
Mit Press, 2004

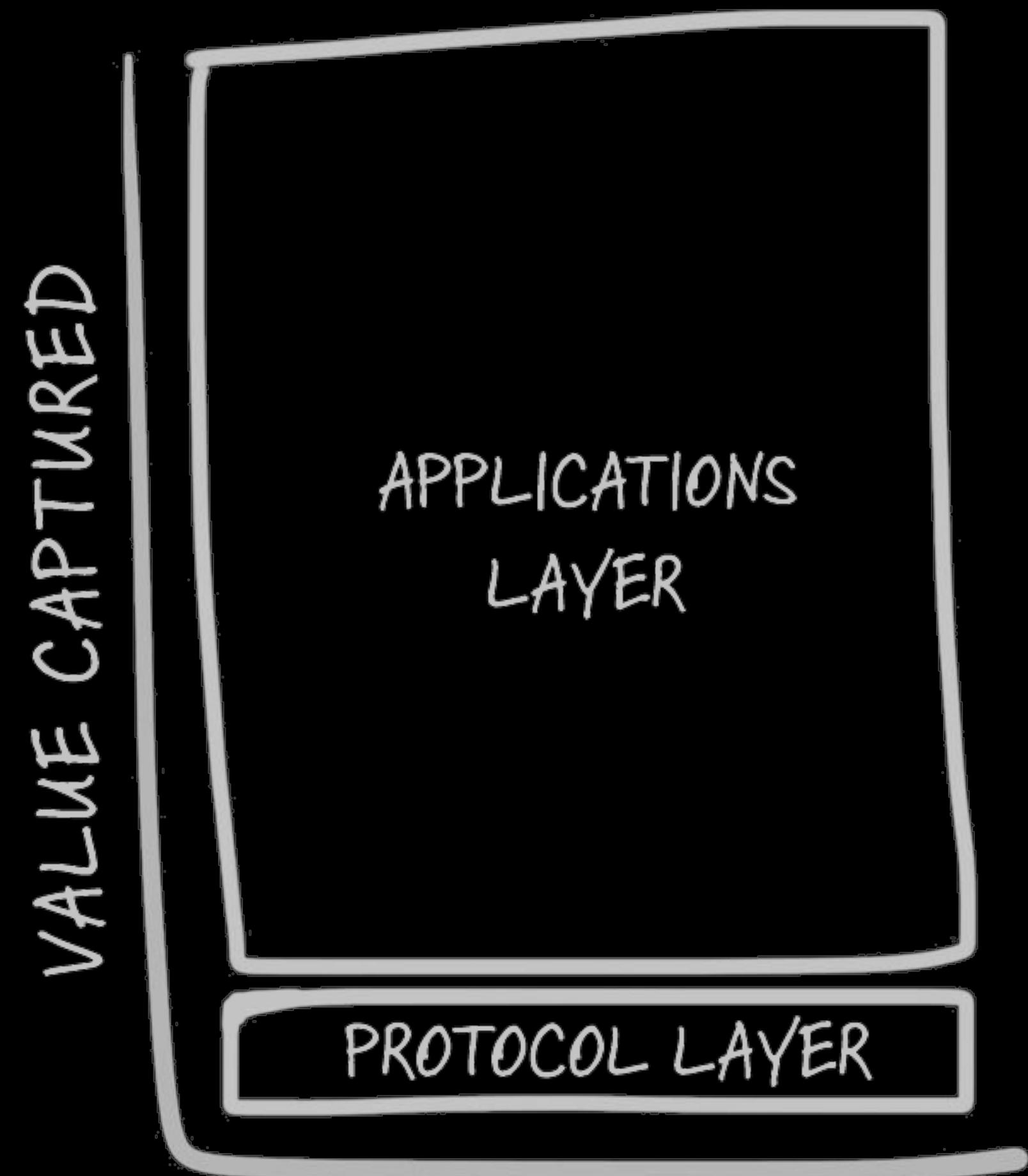
Alexander R. Galloway

how control exists after decentralization

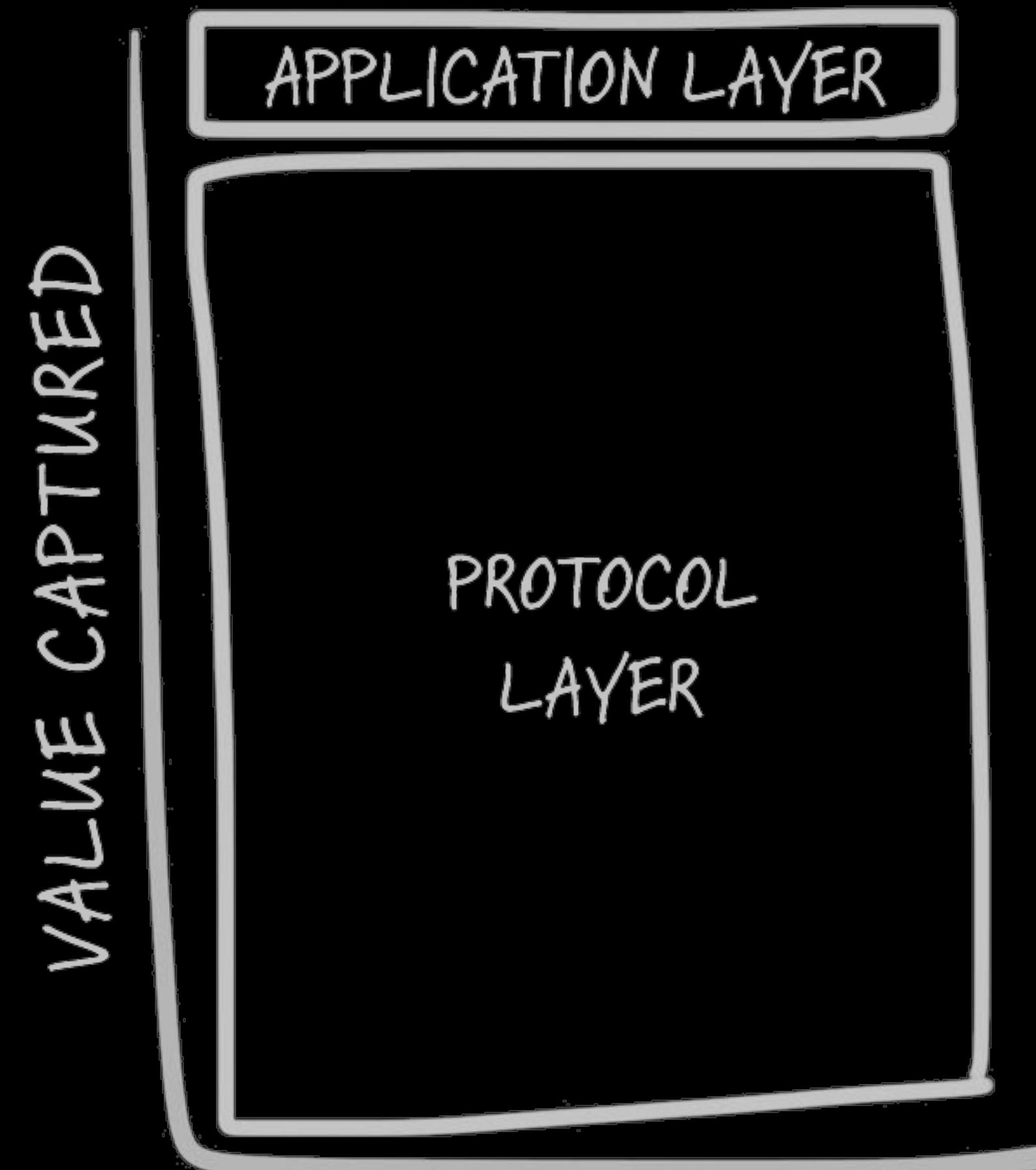


Nine-Layer OSI Model  
Internet Systems Consortium

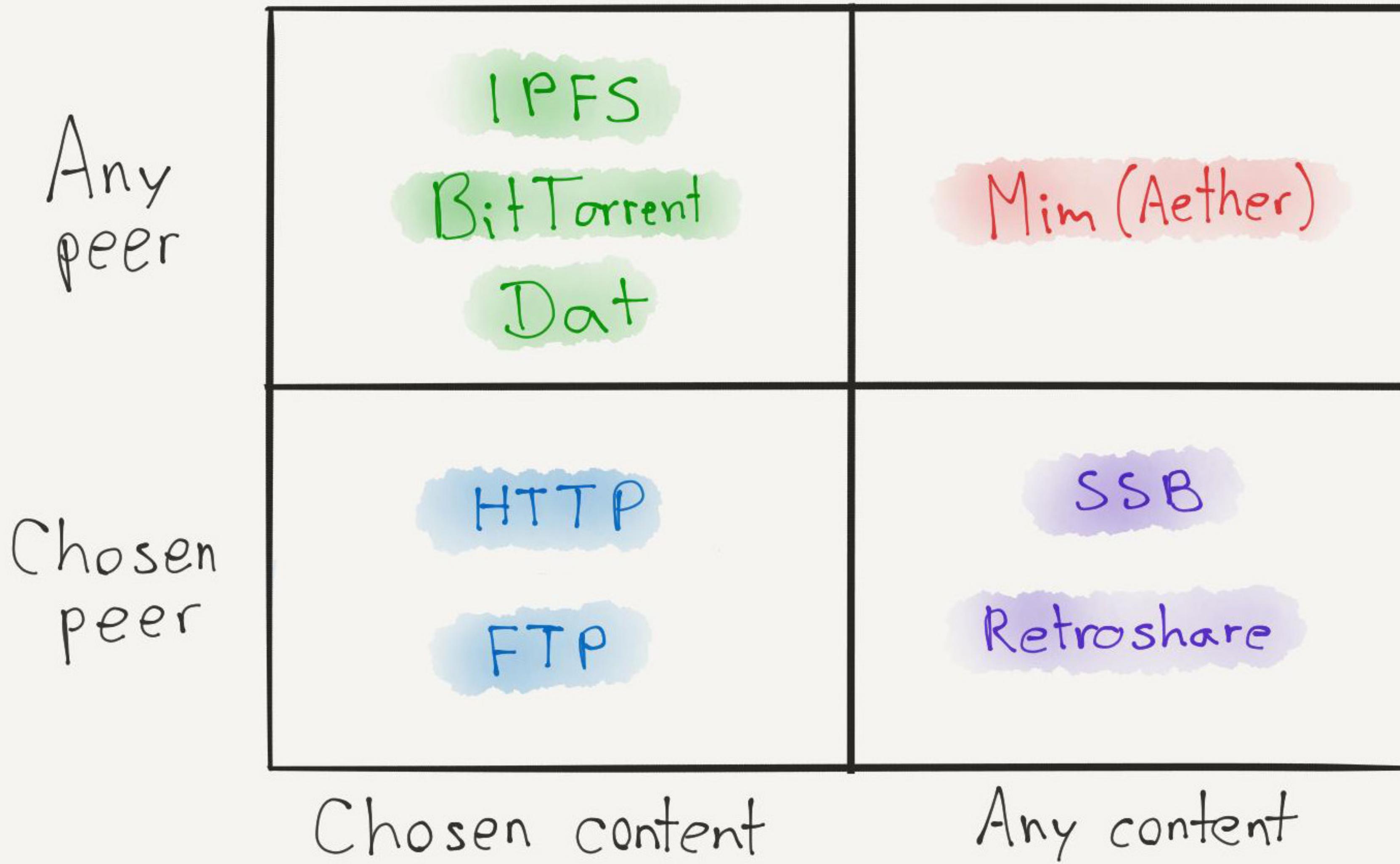
## The Web



## Blockchain



# CONTENT-SHARING PROTOCOLS



What is at stake for human rights X +

ksr.hkspublications.org/2019/05/13/what-is-at-stake-for-human-rights-in-the-design-of-internet-protocols/

# KENNEDY SCHOOL REVIEW

A Harvard Kennedy School Student Publication

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Home > Articles > What is at stake for human rights in the design of Internet protocols?



## What is at stake for human rights in the design of Internet protocols?

ARTICLES · FEATURED · OPINION

May 13, 2019

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KSR 2018-2019 Edition



Trending



“They are us.” Three words from New Zealand that said it all

April 5, 2019

# PROTOTYPE PATHWAYS TO STRENGTHEN THE INCLUSION OF HUMAN RIGHTS-FOCUSED PERSPECTIVES IN INTERNET PROTOCOL DESIGN PROCESSES

What is at stake for human rights in the design of Internet protocols?

Harvard Kennedy School Review, 2019

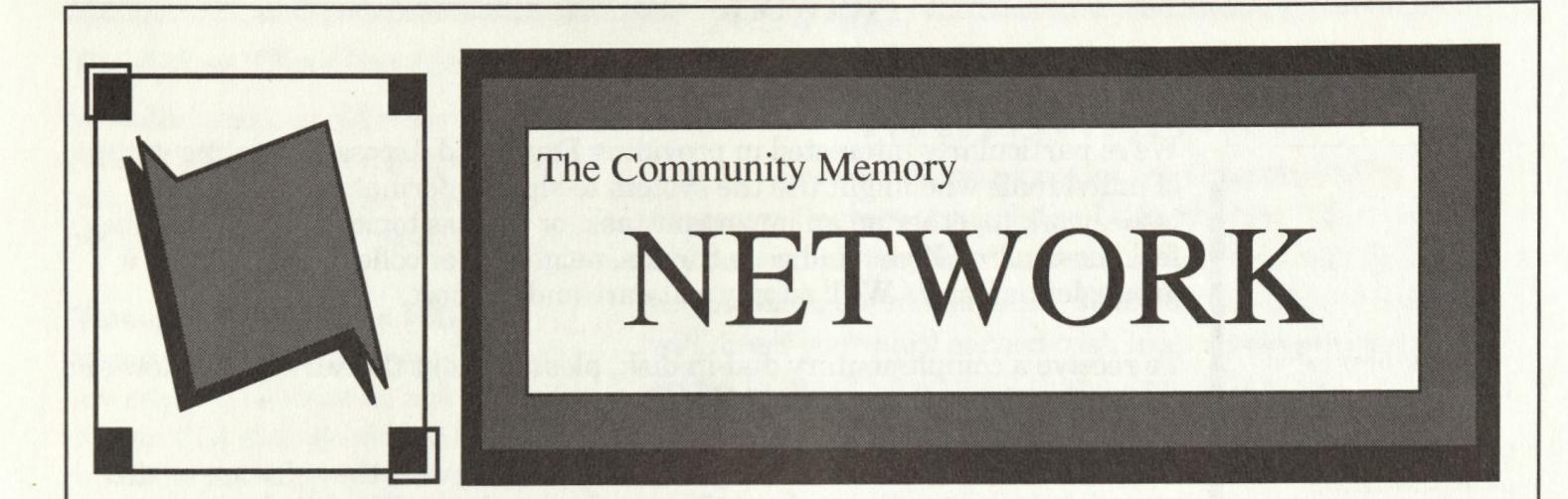
Beatrice Martini, 2019

# EXPERIMENT WITH DIFFERENT APPROACHES FOR ENGAGING WITH PROTOCOL DEVELOPMENT

What is at stake for human rights in the design of Internet protocols?

Harvard Kennedy School Review, 2019

Beatrice Martini, 2019



Vol. I, Issue III

## Expanded Access

### *Take Us Home*

A lot of you have been asking us to let you participate in Community Memory from your home. You want to tap into the 100 plus discussion and information forums on Community Memory from your living room.

We're now gearing up to offer Expanded Access to our public access information and opinion exchange. You'll be able to zero in on local information, yak with other members of the CM community, and share your own ideas and opinions about any topic you choose — from your home or office.

To help underwrite the costs of managing our nonprofit public network, the Community Memory Project will eventually provide dial-in disks on a subscription basis. Before we can do that, however, we want to test our Expanded Access software.

We're now ready to begin testing and we need your help.

To participate you need a PC computer, a modem, and a willingness to tap into Community Memory at least once a week, reading forums and leaving messages. Naturally, we'd be delighted if you decide to host a forum or provide a lot of information on-line.

(continued on page 2)



Student Leader Kuang Hwong gives a friend a few hints on the finer points of using CM, at the South Branch.

### Bridging The Gap

## Operation: In Effect!! Helps Young People Get Heard

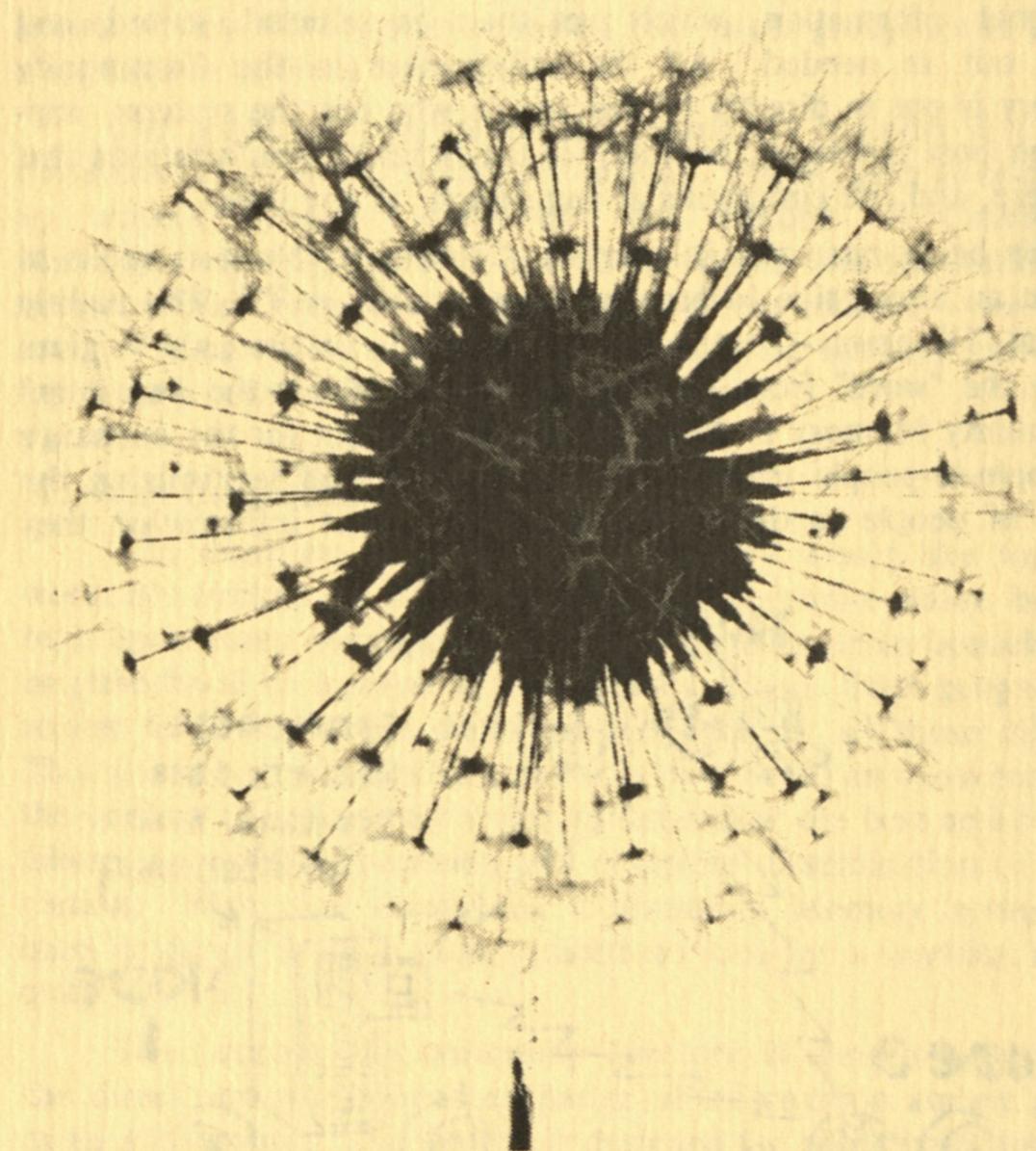
Imagine that you're teenager (again?). Isn't one of your biggest obstacles finding the places that offer services or goods truly fashioned to your liking as opposed to what your parents or other adults decide is best for you? Finding places where you can be heard, where your opinion matters is difficult, if not impossible. Sure, there's a lot of places that claim they know what you like - but, more often than not, those places are run by adults who do more telling than asking.

This summer, Community Memory faces this socio-generation gap head on by bringing in young adults to call the shots. It's called **Operation: In Effect!!** and t

(continued on page 3)

Community Memory Project

# The Community Memory Project



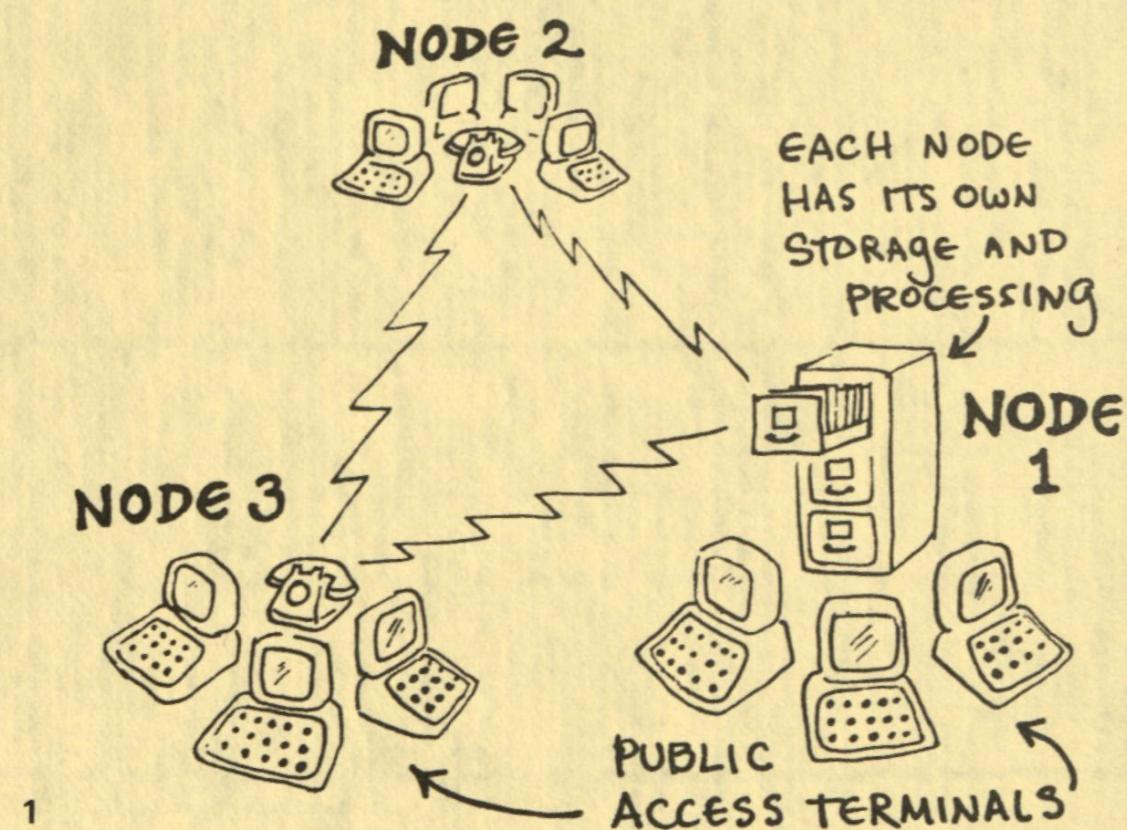
## an introduction

### I. What is Community Memory?

Community Memory is a system for the public management of public information. It is an open channel for community communications and information exchange, and a way for people with common interests to find each other. It is a shared community filing cabinet. It is a tool for collective thinking, planning, organizing, fantasizing, and decision-making.

The Community Memory system gives people a place to store and label information, which can then be selected, sorted, and fished out as needed. All the information in the Community Memory is put in directly by the people who use the system: anyone can post messages, read any of the other communications that are there, and add comments or suggestions at any time.

By being open and interactive, Community Memory seeks to present an alternative to broadcast media such as TV. The nightly national TV news -- both commentary and commercials -- gives people the "word" from on high, telling us "that's the way it is." Community Memory is different. It makes room for the exchange of people-to-people information, recognizing and legitimizing the ability of people to decide for themselves what information they want.



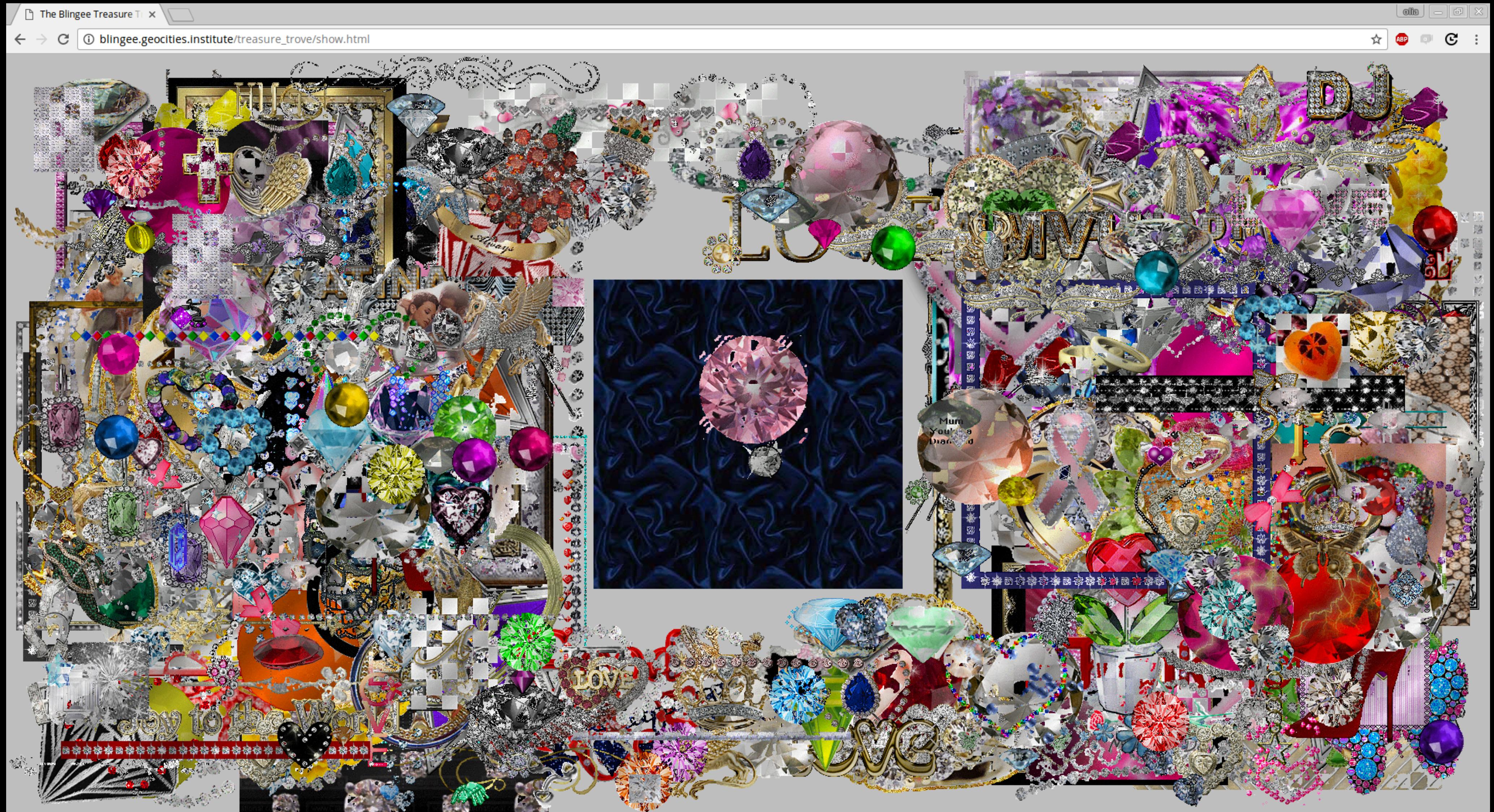
Community Memory

Berkeley, California, 1973



The Deleted City 3.0

Richard Vijgen, 2017



<http://blingee.geocities.institute>  
Rhizome, SevenOnSeven

Olia Lialina and Mike Tyka, 2017



The Thing

Wolfgang Staehle, et al, 1991

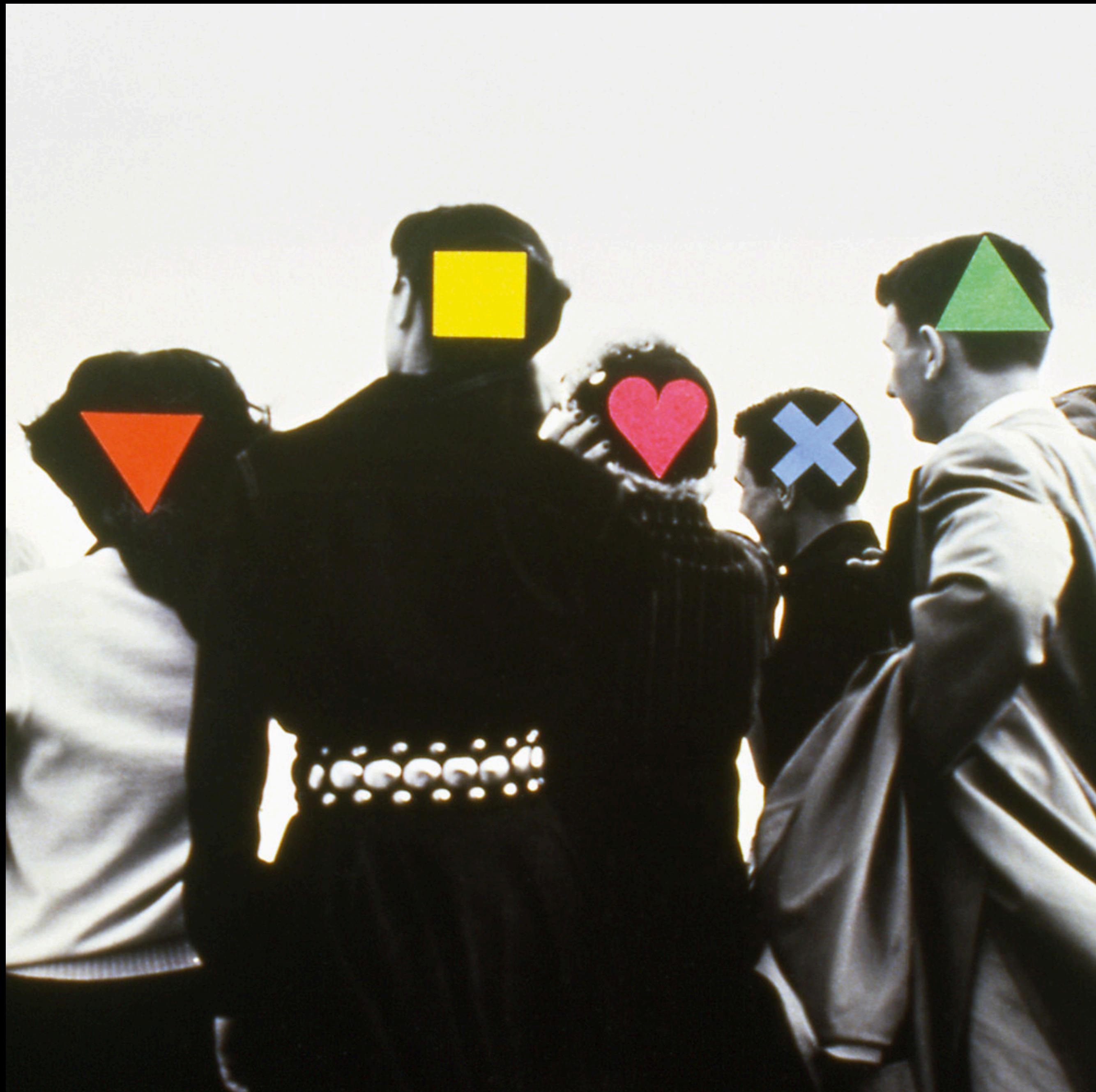
The Art Happens Here:  
Net Art's Archival Poetics

New Museum, Rhizome, 2019

Photo: Amelia Holowaty Krales

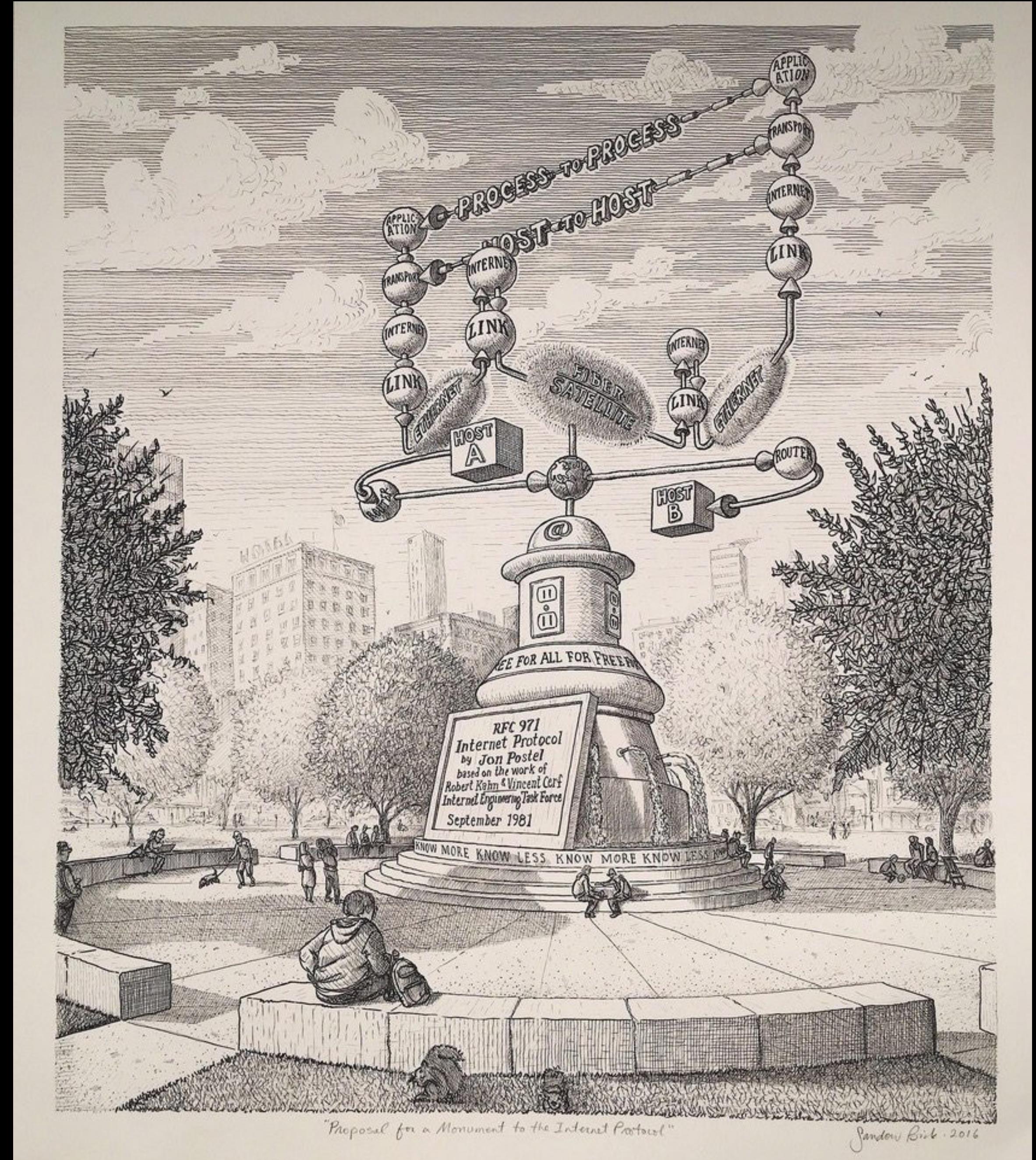


IS THERE A PLACE, OR PRACTICE, FOR  
PRESERVATION OF OUR NEW NETWORKS?  
WHAT WILL BE OUR TRACES OF  
THE CONNECTIONS WE'VE MADE?



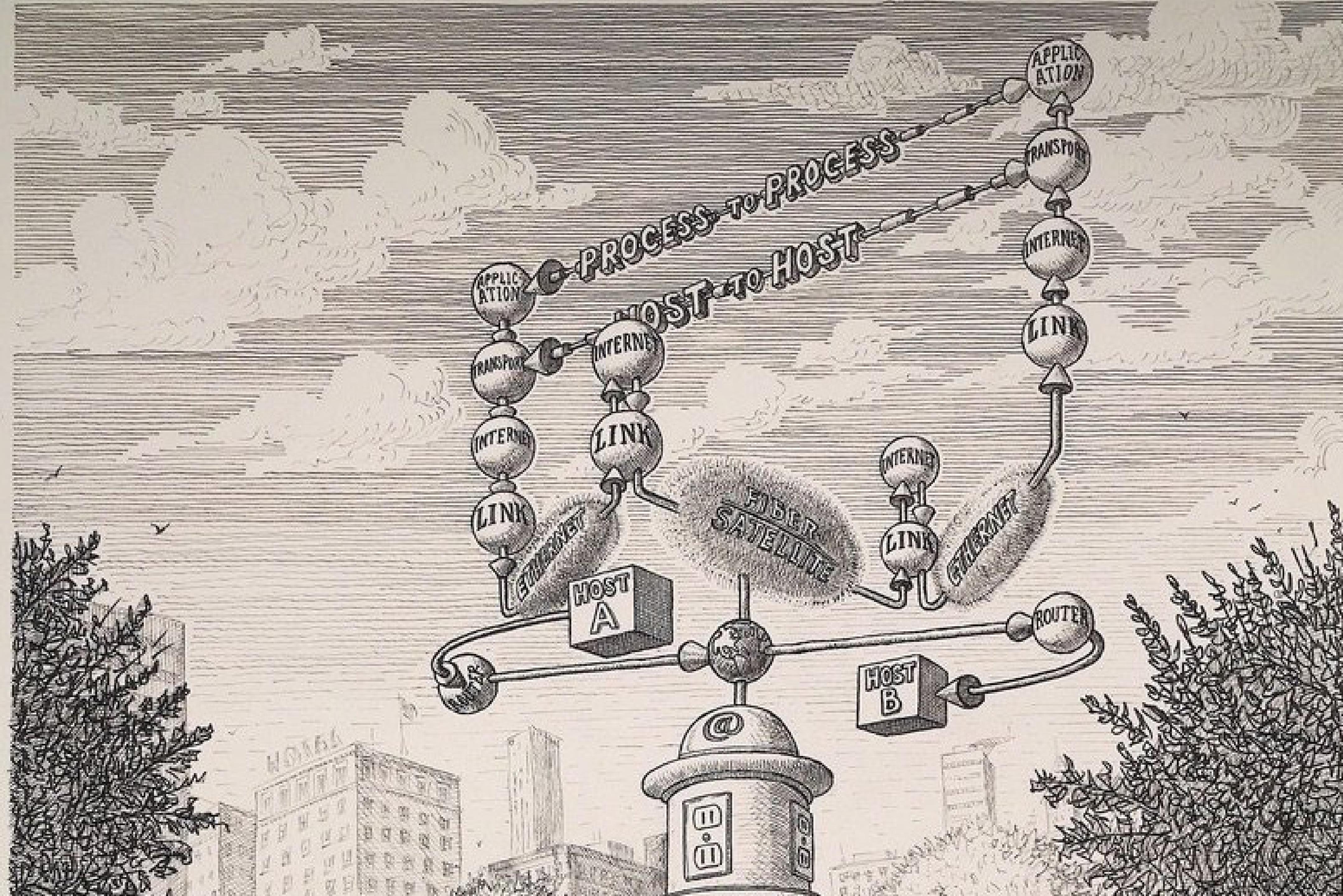
A Communications Primer  
1953

Charles and Ray Eames



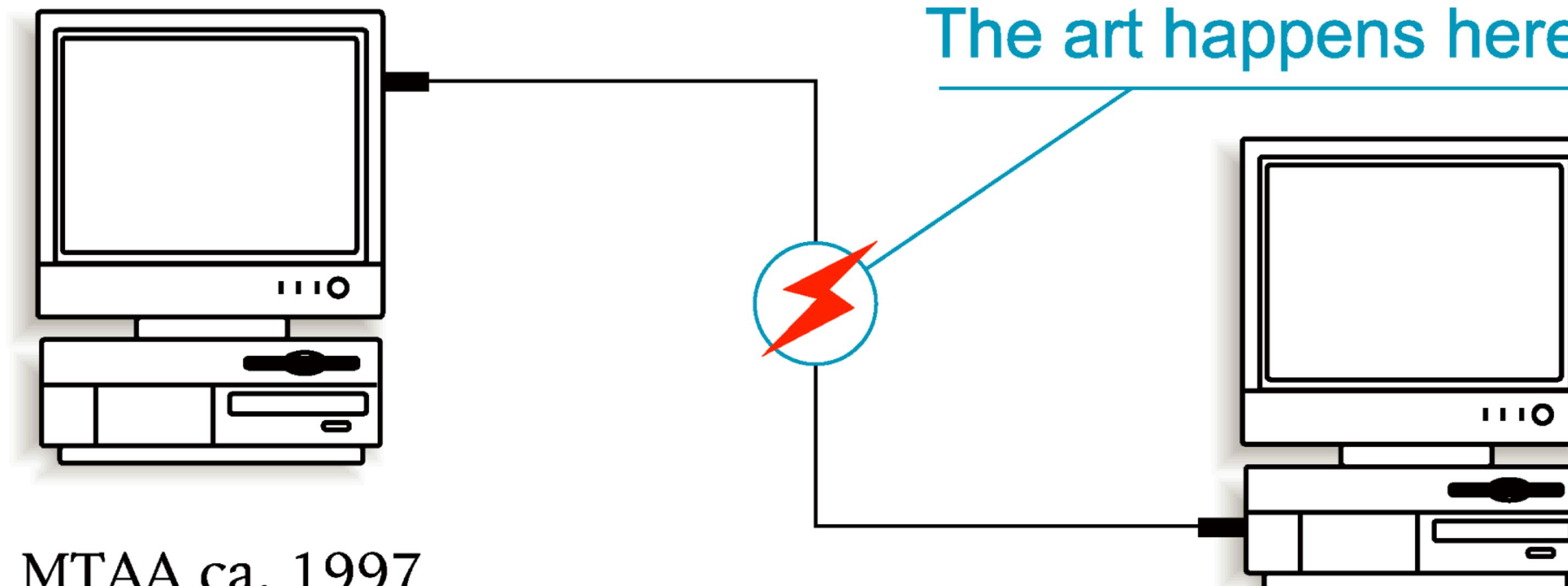
Proposal for a Monument to  
the Internet Protocol (Small), 2016

Sandow Birk



# Simple Net Art Diagram

---



the simple net art diagram  
m.river & t.whid art associates (mtaa), 1997

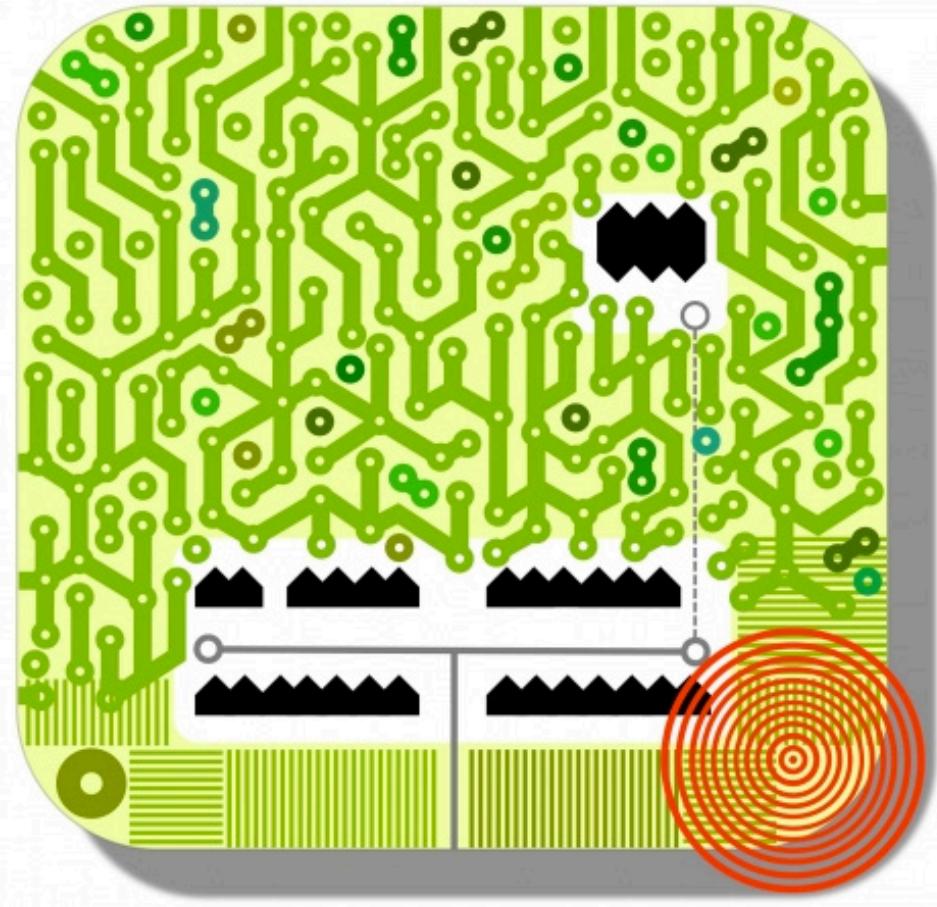
cc by 2.5, via mtaa.net

Keller Easterling

# Ex tra sta te craft : The Po er of in tra struc ture sp ce

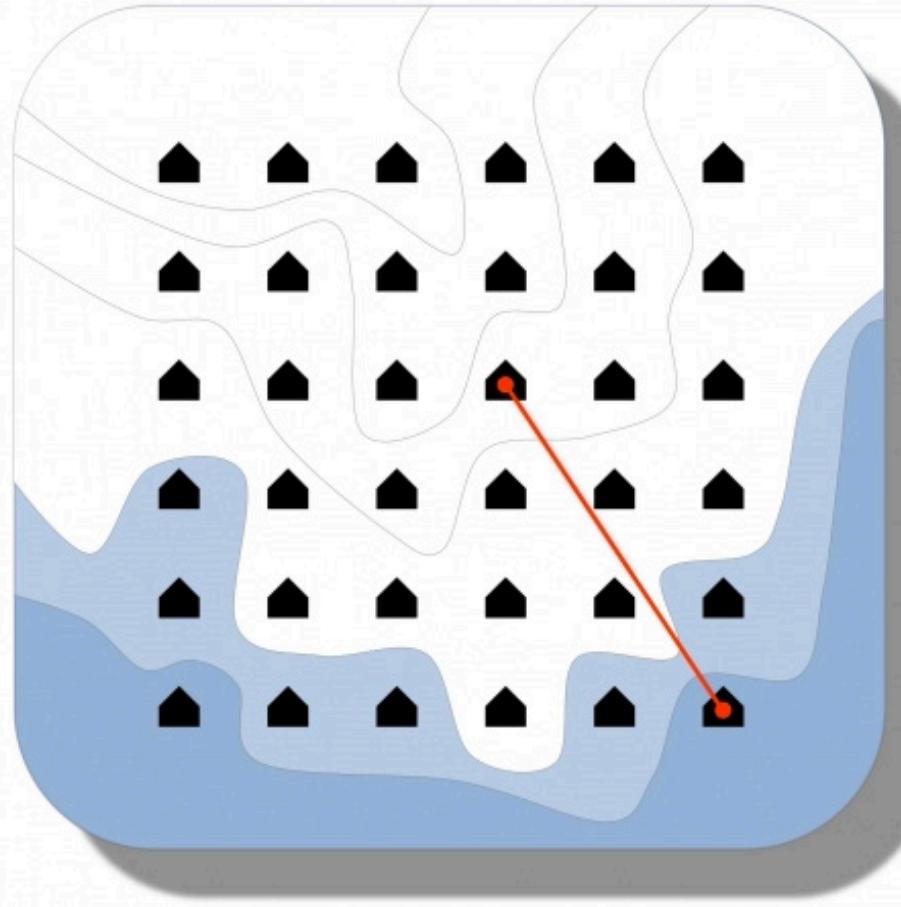
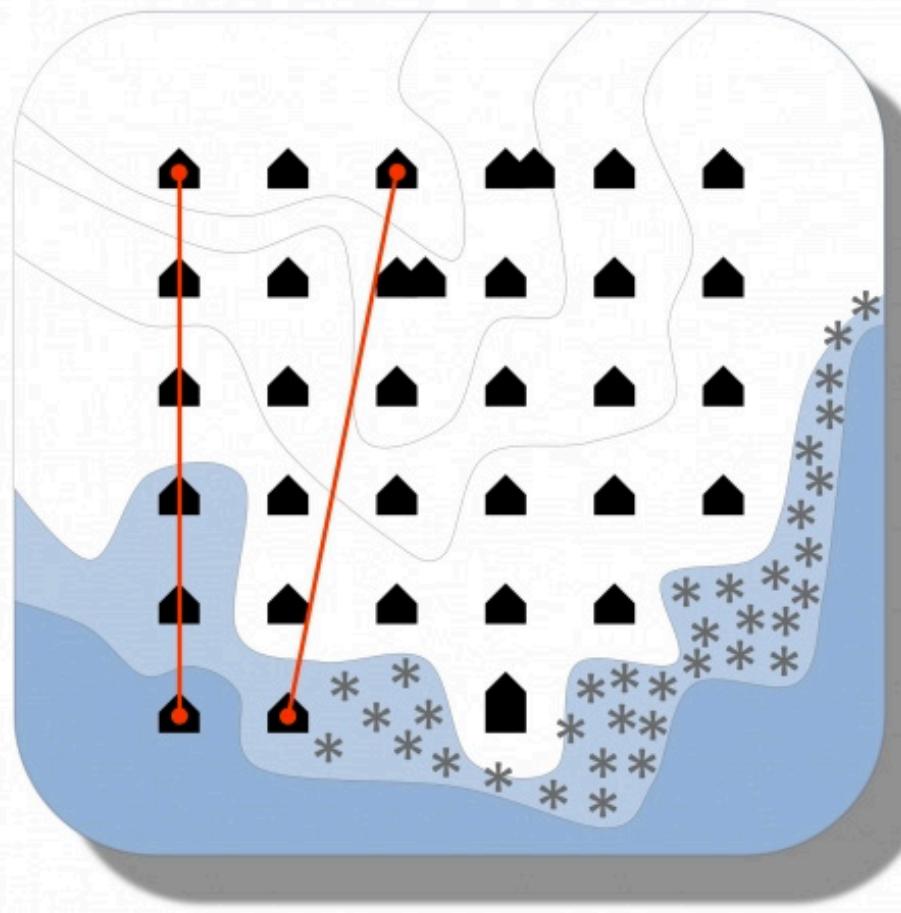
Extrastatecraft: The Power of Infrastructure Space  
Verso Books, 2016

Keller Easterling

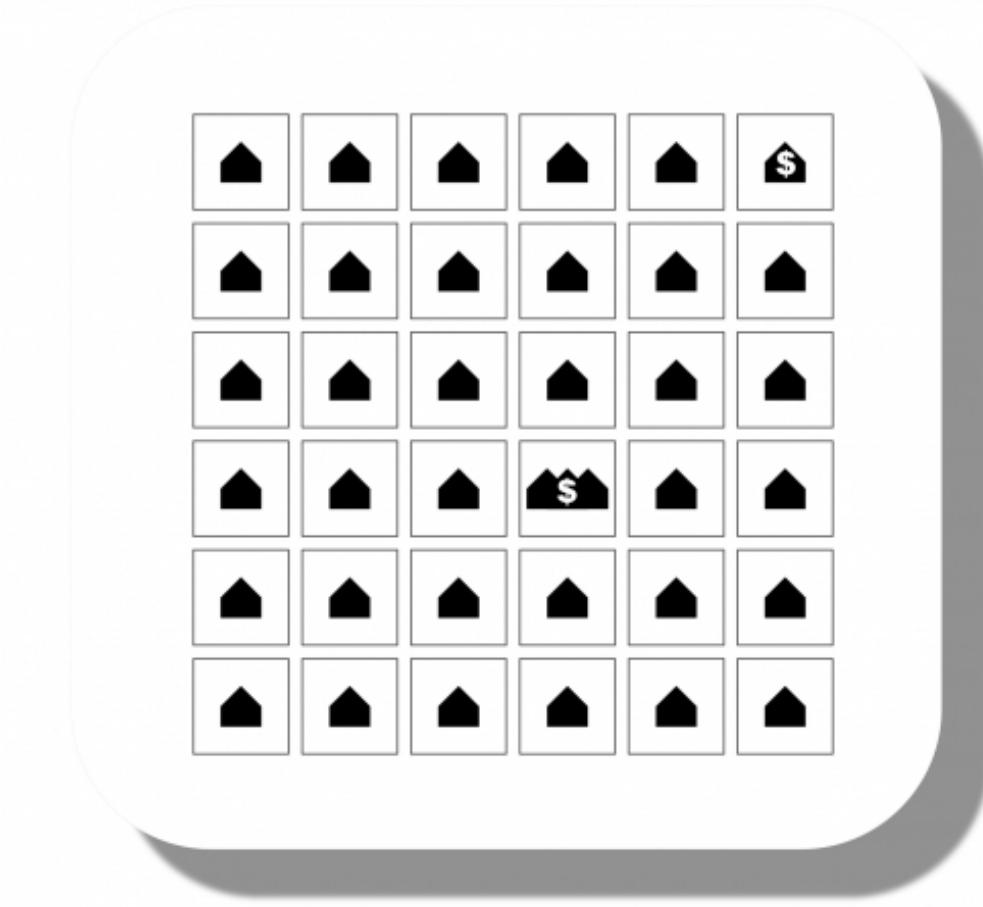
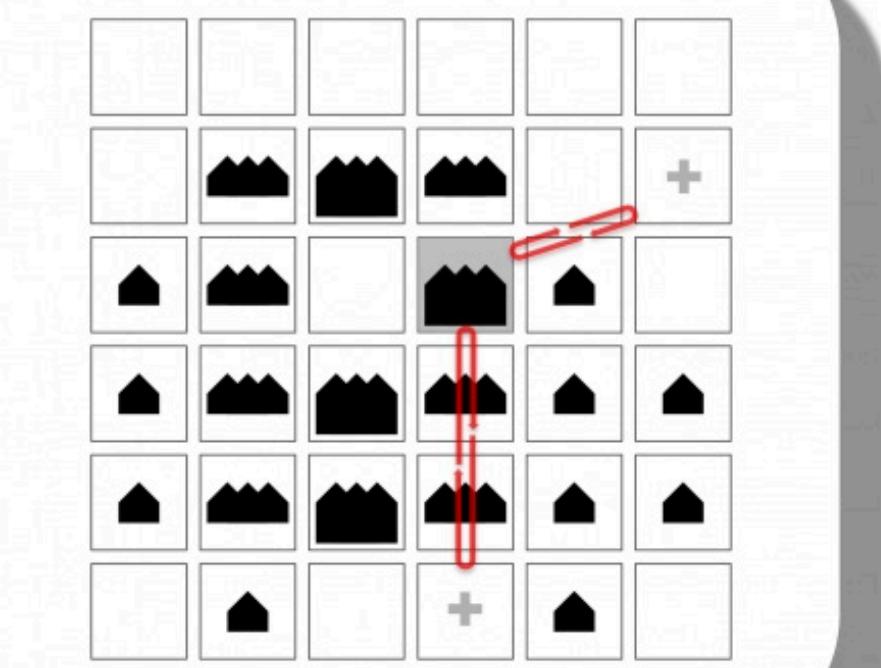


Protocol 3 Forest

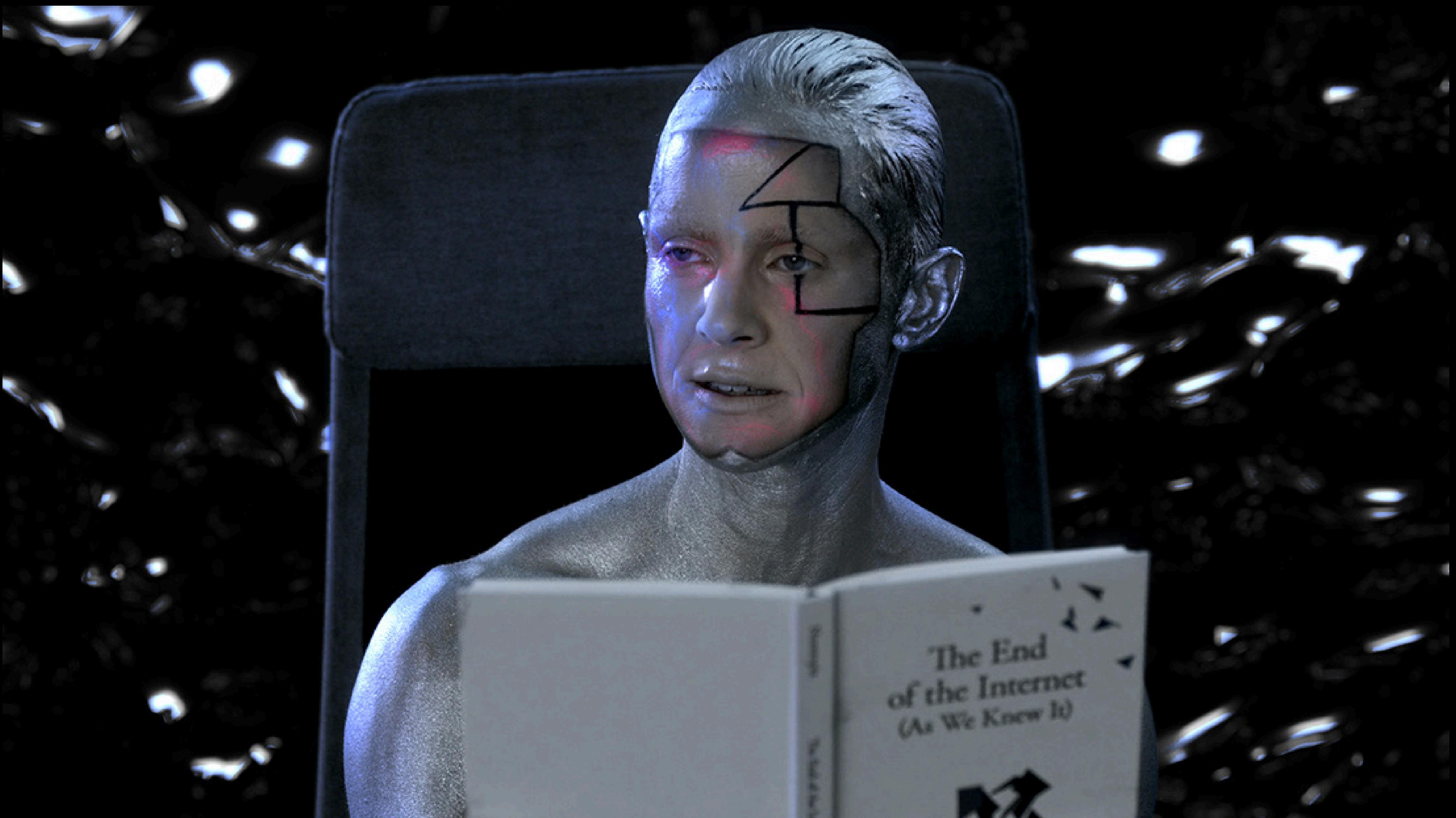
Keller Easterling



Protocol 2 Water

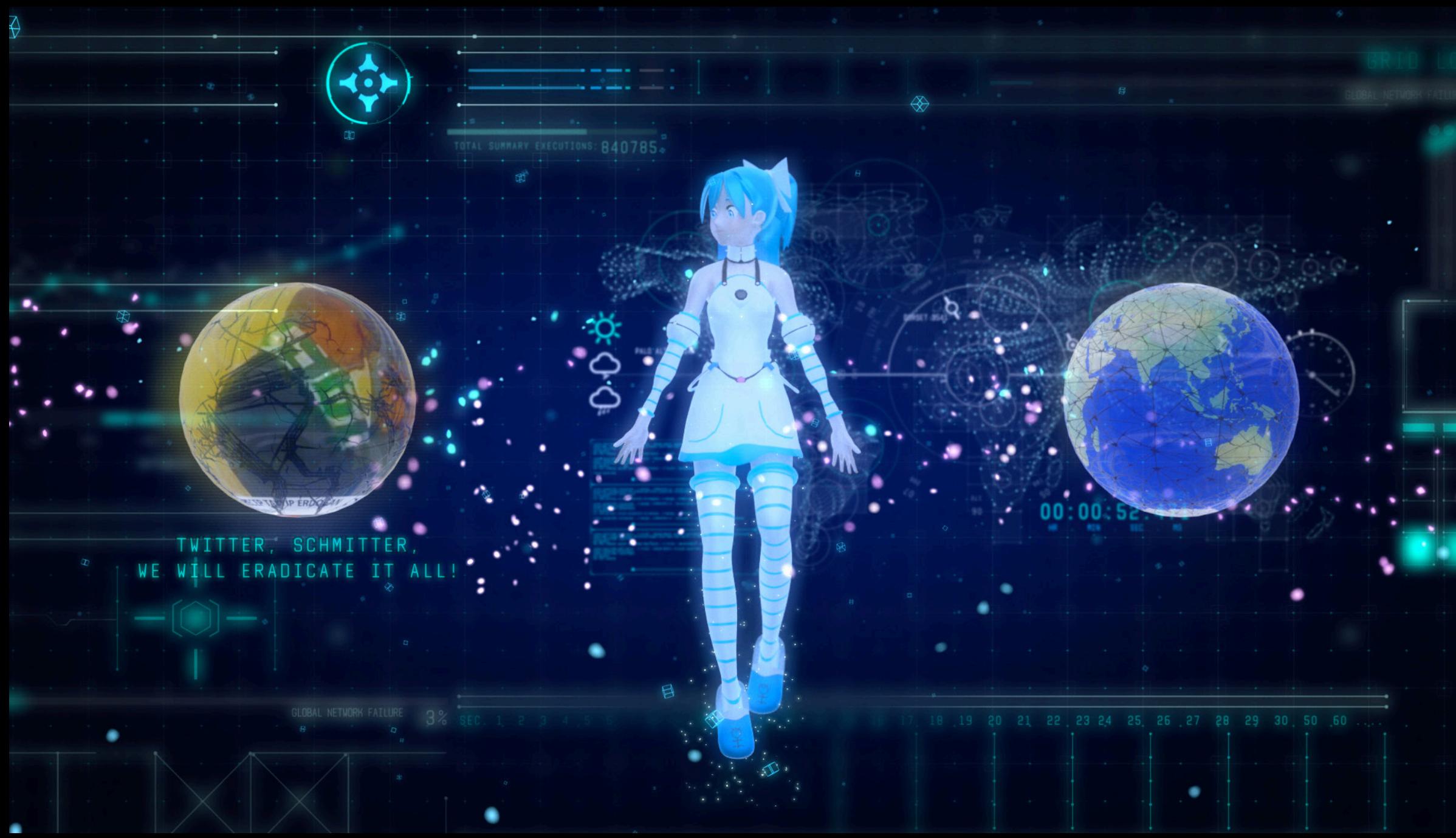


Protocol 1 McMansion



Contra-Internet, 2014-2018

Zach Blas



# HOW PEERS CAN GATHER TOGETHER MORE BEAUTIFULLY

ADAPTED FROM THE STUDY CENTER FOR GROUP WORK

THREE  
PARTS

# PART ONE

# DESCRIBE A SPACE

10 MINUTES

# DESCRIBE A SPACE

WHAT DOES IT LOOK LIKE?

WHAT IS ITS TERRAIN?

HOW DO YOU GET FROM A TO B?

WHAT'S A LANDMARK?

HOW'S THE WEATHER?

# PART TWO

# DESCRIBE A PLANT

10 MINUTES

# DESCRIBE A PLANT

WHAT DOES IT LOOK LIKE?

HOW DOES IT COMMUNICATE?

WHAT DOES IT SHARE?

DOES IT HAVE A NAME?

HOW DOES IT GROW?

# PART THREE

28 YEARS FROM NOW

10 MINUTES

The WorldWideWeb browser  
1991-1993

CERN

**WorldWideWeb**

**Info**

**Navigate**

**Document**

**Edit**

**Links**

**Style**

**Print...**

**Page layout...**

**Windows**

**Services**

**Hide** h

**Quit** q

**Style**

**Copy style 1**

**Apply style 2**

**Panel...**

**Style editor**

Style name: **List**

<< style of selection >>

**Apply style to selection**

**Apply style to all similar text**

**Find unstyled text**

**Format**

First line indent: **100**

Successive indent: **130**

Font: **Helvetica**

Point Size: **12**

SGML tag: **<LI>**

Tabs: **130 300**

**HyperMedia Browser/Editor**

Prerelease b of Version 0.13

An excercise in global information availability

by Tim Berners-Lee

Copyright 1990,91, CERN. Distribution restricted: ask for terms. TEST VERSION ONLY

HyperText: Text which is not constrained to be linear.

HyperMedia: Information which is not constrained linear... or to be text.

This version of the WWW application can pick up hypertext information from files in a number of formats, from local files, from remote files using NFS or anonymous FTP, from hypertext servers by name or keyword search, and from internet news. Hypertext files may be edited, and links made from hypertext files to other files or any other information.

For more help, use "Help" from the menu. If that doesn't work, then your application has been incompletely installed.

If you have any comments or have bugs, please mail timbl@info.cern.ch. quoting the version number (above).

**HotWired: What's New**

Welcome to York , the electric neighborhood hits Wired, 24 May, via in On the Ro

Flux Ned hears rumors of a deal between GN

Fetish Solar

Net Surf Pro

Jenny Holzer's truisms take a turn for the Wel

If you feel a need for speed ... surf t

What's a week without a Bill Gates j

Corporate recruiting form letters = ti

Alt.cynicism ... What's the Point?

**Navigation**

< Previous Back up Next >

Home Help

**JFG Home**

## JFG's home page at InfoDesign

This home page demonstrates some simple concepts of the World-Wide Web infrastructure for global information sharing.

Today, I showed Tim's original Web browser to Marc Weber. I just took some notes about him and linked them to his name on the fly.

I use this World-Wide Web editor exactly like any word processor, with the power to create links from sensitive pieces of text to other places, for instance to personal notes or to any information source in the world.

**WWW research stuff**

- + Hypertext Resources (N-Box)
- + Geographical list of WWW servers (at CERN) same list. Example : CERN phone book
- + WWW project documentation (at CERN)

**Weber -- /Hypertext**

## Marc Weber

A computer consultant, small publisher and freelance journalist who is currently investigating the early history of the Web, to be published in Wired. He loves HotWired.

**Welcome To HotWired!**

How to Join: Register Now Members Only:  
Unguided Tour Overview Need Help? What's New  
Your View &copy; 1995 HotWired Ventures LLC

Powered by Silicon Graphics

**NET**

**JFG**

**NEXT**

**NET**

**NET**

# 28 YEARS FROM NOW

WHAT DOES THE SPACE LOOK LIKE?  
WHAT HAPPENED?  
WHAT HAS ACCUMULATED?  
WHAT IS LEFT?  
WHAT IS MISSING?