

NAVIGATING THE INTERNET – A MODERN-DAY LION'S DEN



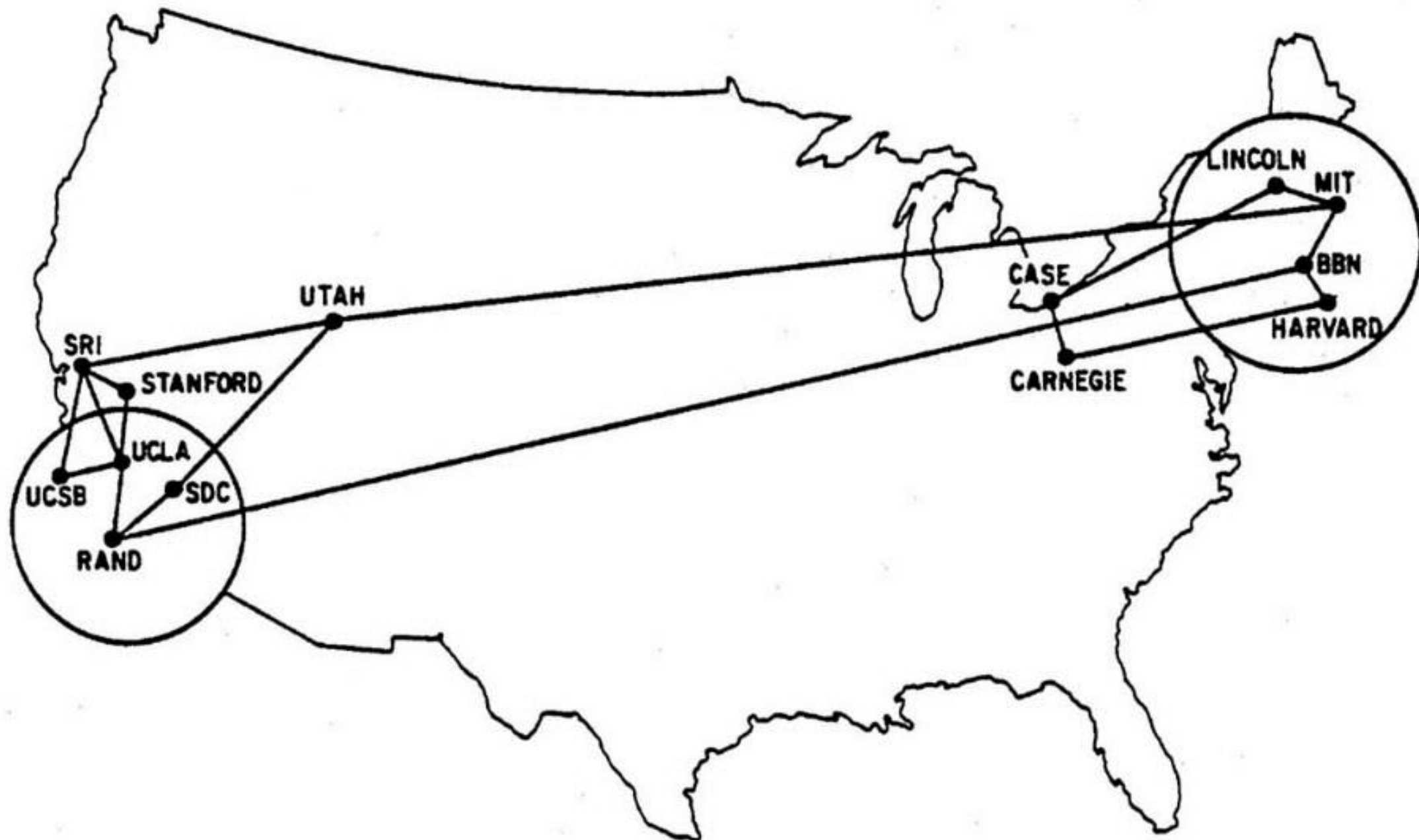
What is the Internet?

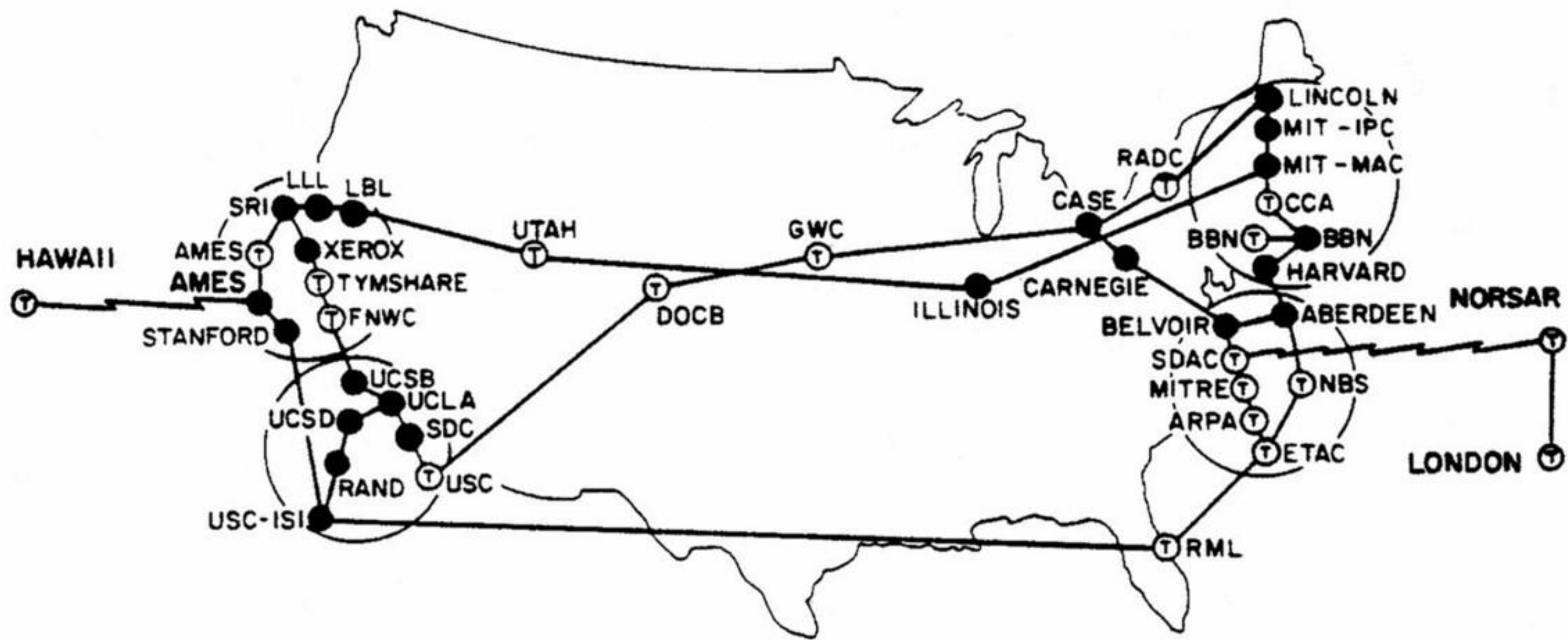
Origins

- ARPANet
- Dial-Up Networks - Bulletin Board Systems (BBS)
- Early Dedicated Circuits
- Home Connectivity Today
- Cellular

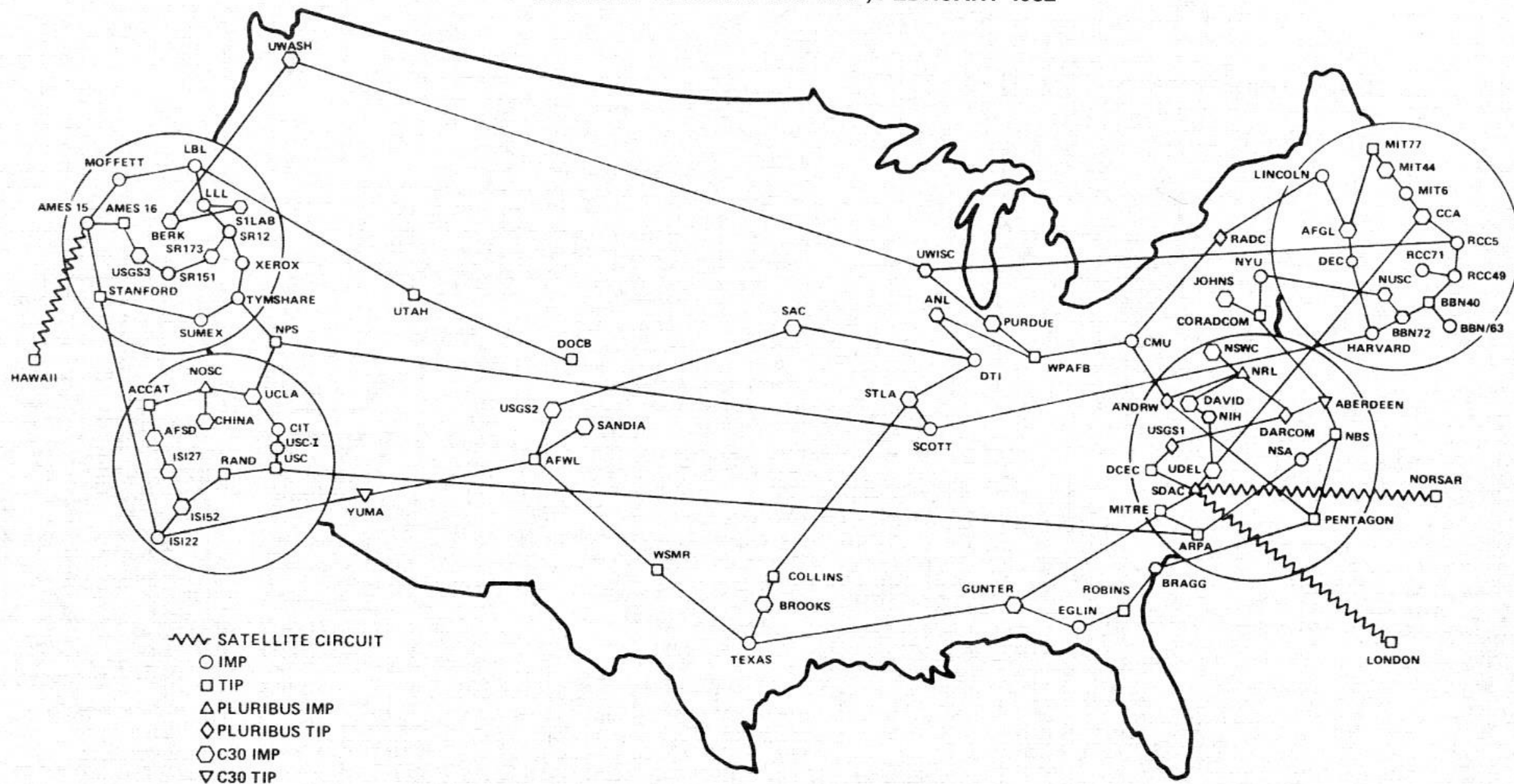


The ARPANET in December 1969





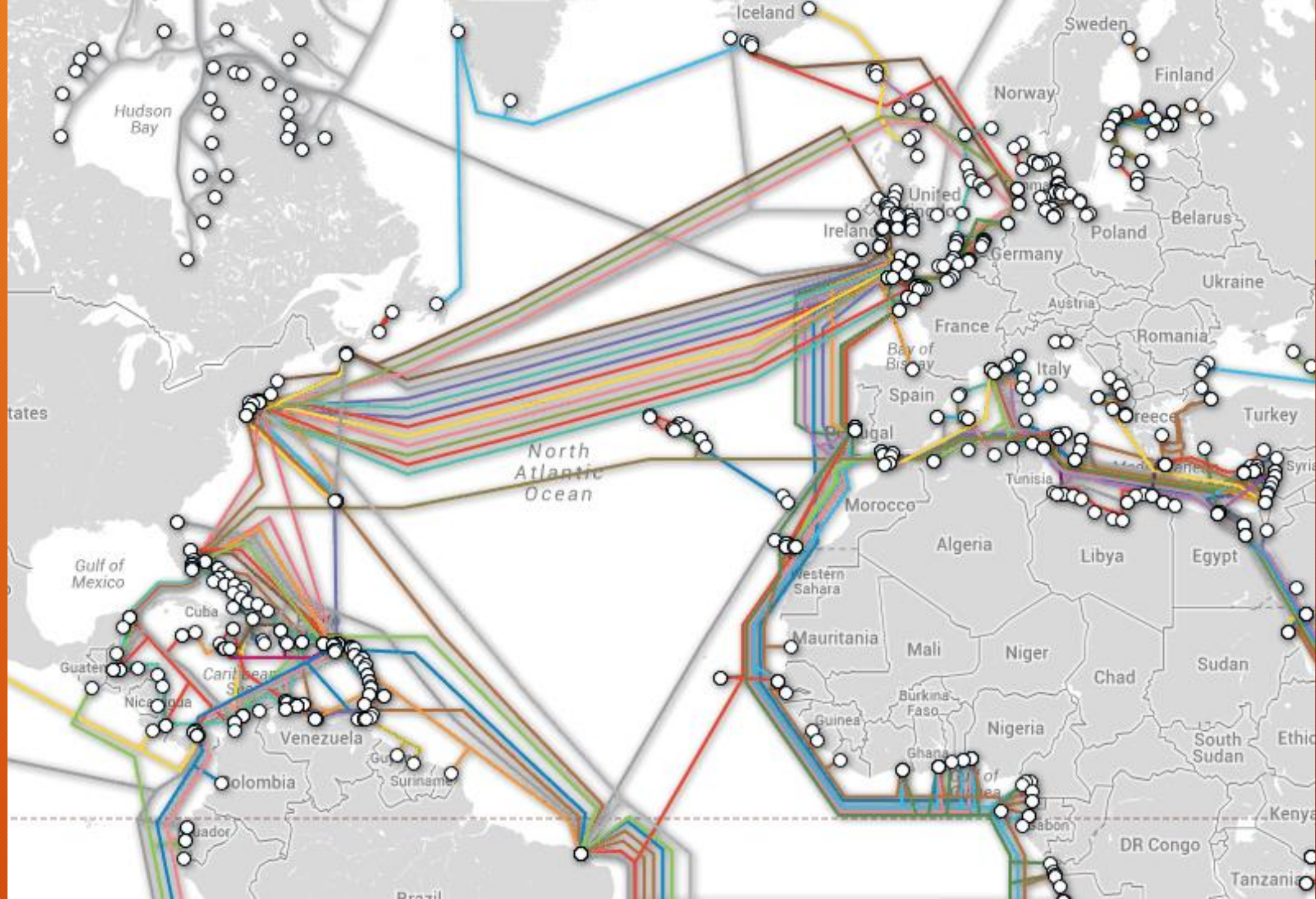
ARPANET GEOGRAPHIC MAP, FEBRUARY 1982



(NOTE: THIS MAP DOES NOT SHOW ARPA'S EXPERIMENTAL SATELLITE CONNECTIONS)
NAMES SHOWN ARE IMP NAMES, NOT (NECESSARILY) HOST NAMES

Geographic Map, June 1, 1984







“ The Internet's pace of adoption eclipses all other technologies that preceded it. Radio was in existence 38 years before 50 million people tuned in; TV took 13 years to reach that benchmark. Sixteen years after the first PC kit came out, 50 million people were using one. Once it was opened to the general public, the Internet crossed that line in four years. ”

U.S. Department report *The Emerging Digital Economy*

Number of people using the Internet

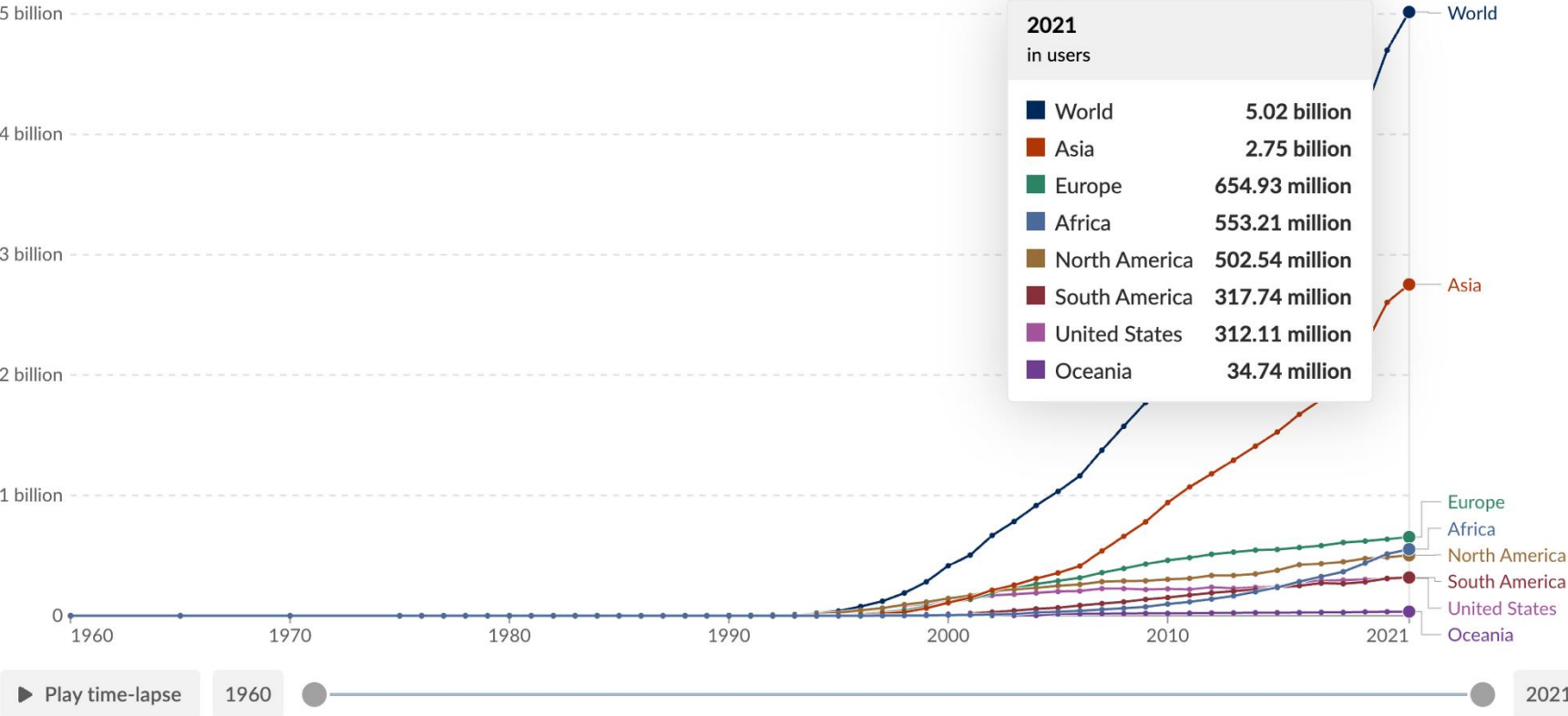
Number of people who used the Internet in the last three months.

Our World
in Data

Table

Map

Chart



Data source: International Telecommunication Union (via World Bank) – [Learn more about this data](#)
OurWorldinData.org/internet | CC BY

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ADD/REMOVE COUNTRIES AND REGIONS

Search for a country or region

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Name

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Selection (8) [Clear](#)

- ☒ Africa
- ☒ Asia
- ☒ Europe
- ☒ North America ↗
- ☒ Oceania
- ☒ South America
- ☒ United States ↗
- ☒ World

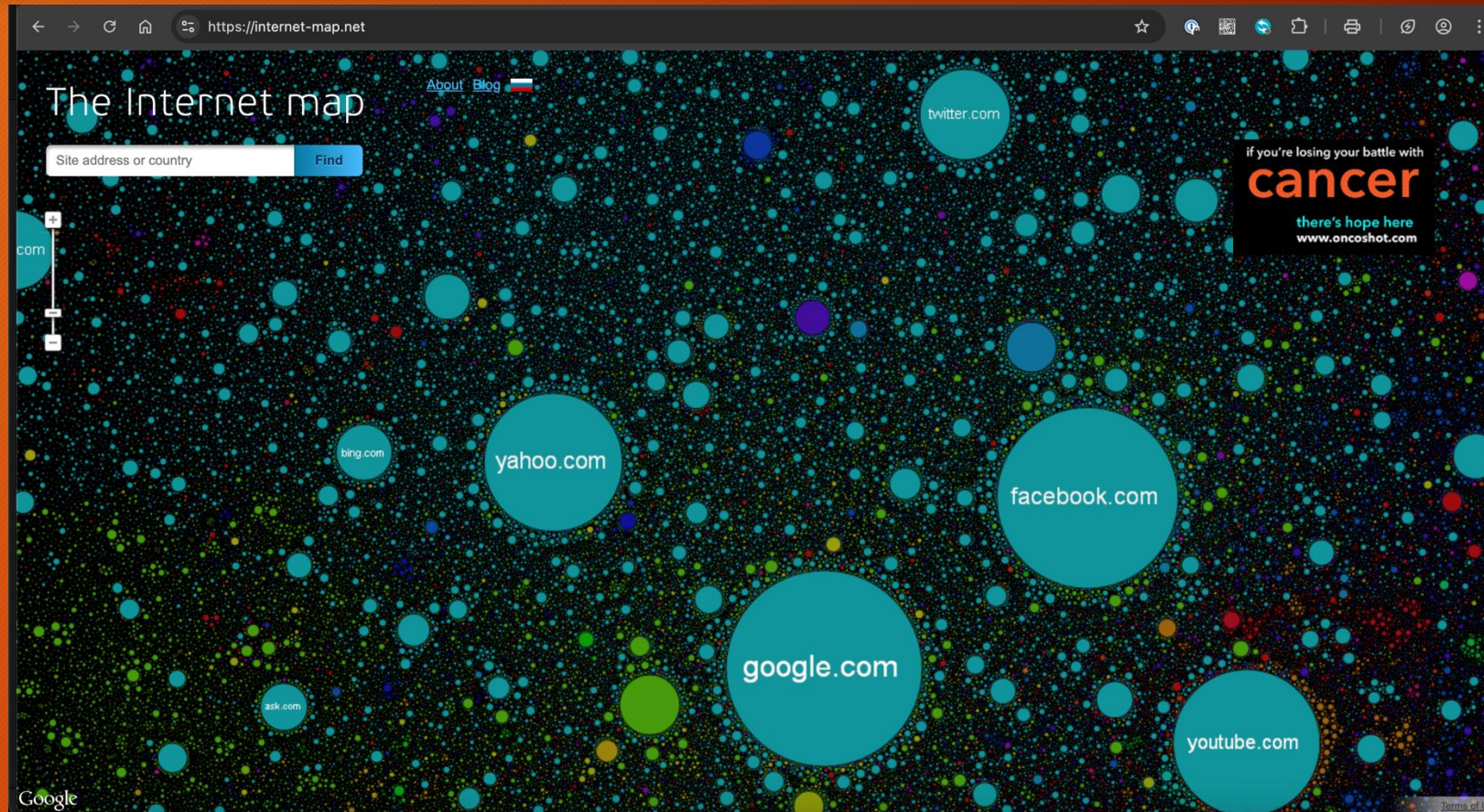
All countries and regions

- ☒ United States ↗
- ☒ North America ↗
- ☒ World
- ☐ Afghanistan
- ☐ Africa

Status of Global Christianity, 2025, in the Context of 1900–2050

	1900	1970	2000	2020	Trend % p.a.*	2025	2050
GLOBAL POPULATION							
1. Total population	1,619,625,000	3,695,390,000	6,148,899,000	7,840,953,000	0.88	8,191,988,000	9,709,492,000
2. Adult population (over 15)	1,073,646,000	2,302,129,000	4,290,579,000	5,827,214,000	1.46	6,264,023,000	7,699,095,000
3. Adults, % literate	27.6	63.8	76.7	84.1	0.02	84.2	88.0
4. Urban population (%)	14.4	36.5	46.7	56.1	1.06	59.1	68.0
5. Global urban population	232,695,000	1,347,106,000	2,869,247,000	4,397,965,000	1.95	4,843,655,000	6,604,545,000
6. Cities over 1 million	20	145	371	579	2.43	653	950
7. Under 50% Christian	5	65	226	345	2.80	396	500
GLOBAL RELIGION							
8. Religious diversity	2.7	4.3	4.5	4.4	-0.04	4.4	4.4
9. Religionists	1,616,370,000	2,986,913,000	5,365,962,000	6,942,770,000	0.97	7,285,421,000	8,842,489,000
10. Christians	558,346,000	1,216,131,000	1,987,905,000	2,519,505,000	0.98	2,645,317,000	3,312,204,000
11. Muslims	200,301,000	574,379,000	1,299,602,000	1,897,880,000	1.67	2,061,718,000	2,860,760,000
12. Hindus	202,976,000	467,434,000	843,615,000	1,090,611,000	0.70	1,129,155,000	1,245,725,000
13. Buddhists	126,946,000	233,383,000	448,423,000	531,050,000	0.27	538,173,000	533,434,000
14. Chinese folk-religionists	379,974,000	238,188,000	420,817,000	453,250,000	-0.22	448,283,000	392,978,000
15. Ethnoreligionists	117,313,000	171,476,000	225,753,000	288,156,000	0.46	294,801,000	306,733,000
16. New Religionists	5,986,000	39,557,000	63,579,000	67,463,000	0.07	67,690,000	65,329,000
17. Sikhs	2,962,000	10,668,000	21,605,000	29,254,000	1.45	31,433,000	41,842,000
18. Jews	11,725,000	13,959,000	12,948,000	14,800,000	0.74	15,357,000	17,942,000
19. Nonreligionists	3,255,000	708,478,000	782,937,000	898,183,000	0.19	906,567,000	867,003,000
20. Agnostics	3,028,000	543,321,000	645,052,000	751,227,000	0.26	761,092,000	733,956,000
21. Atheists	226,000	165,156,000	137,885,000	146,957,000	-0.20	145,475,000	133,047,000
GLOBAL CHRISTIANITY BY TRADITION							
22. Total Christians, % of world	34.5	32.9	32.3	32.1	0.10	32.3	34.1
23. Affiliated Christians	522,440,000	1,112,204,000	1,886,371,000	2,383,436,000	0.91	2,493,823,000	3,161,041,000
24. Catholics	265,756,000	656,431,000	1,024,932,000	1,235,323,000	0.60	1,272,775,000	1,480,094,000
25. Protestants	134,196,000	251,902,000	429,289,000	586,193,000	1.42	628,862,000	864,317,000
26. Independents	8,859,000	89,480,000	284,420,000	384,757,000	1.25	409,425,000	610,002,000
27. Orthodox	116,199,000	139,037,000	257,602,000	290,107,000	0.10	291,580,000	317,365,000
28. Unaffiliated Christians	35,906,000	103,927,000	101,533,000	136,069,000	2.17	151,494,000	151,163,000
29. Evangelicals	80,912,000	108,841,000	270,707,000	390,532,000	1.47	420,040,000	620,970,000
30. Pentecostals/Charismatics	981,000	57,631,000	442,643,000	623,844,000	1.25	663,863,000	1,031,503,000

The Modern Internet



How do we connect?

- Cable ~300 Mbps Download / 50 Mbps Upload
 - Comcast / Spectrum (Time-Warner)
- Fiber ~1000 Mbps Download / 1000 Mbps Upload
 - Google
 - ATT
 - Ting (Holly Springs)
- Cellular Data (like your phone) ~250 Mbps

- A 4K 30 fps 2-hour movie averages 14 GB in file size.
- A 1080p HD 30 fps 2-hour movie averages 3 GB in file size.
- A 720p HD 2-hour movie averages 2 GB in file size.
- A Standard Definition (SD) 2-hour movie averages 1 GB in file size.

To turn those numbers into the up and down speed you need, consider the following scenarios if you watch 8 hours of movies or television a day:

- **4K video at 30 fps, for 8 hours, or 4 movies a day:**
 - You would need 56 GB per day x 30 days = 1,680 GB per month. (1.7 TB)
 - You will need a 30 Mbps download x 10 Mbps upload to make it run without buffering.

Do we really NEED 1000 Mbps Internet?

What Happens on the Internet IN A SINGLE DAY?



Figures rounded.
Source: Exploding Topics (Feb 2025)



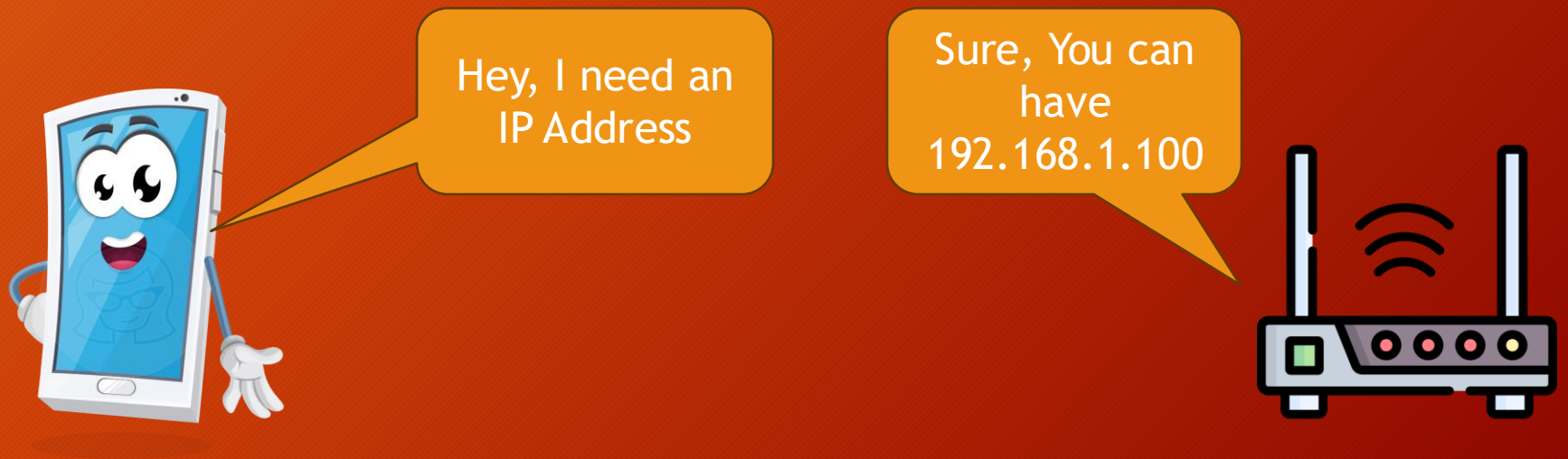
What's in My Home?





- Gateway (sometimes called a router)
 - Typically provided by your Internet Service Provider (ISP)
 - Often has wireless connectivity functions
 - Typically acts as a light-weight firewall, blocking traffic from the outside that wasn't originated from a device INSIDE your network
- As provided by ISP - very little if any content filtering

- When a device connects to the network it must have a unique Internet Protocol (IP) address
- A device turning on or coming 'awake' from sleep mode will usually ask a network device (router, DHCP server) for an available IP address



In your home...

- Devices usually have a non-publicly routable IP Address like
192.168.#.#
10.#.#.#
172.16.#.#
- APIPA (Automatic Private IP Addressing):
169.254.#.# addresses are also known as APIPA addresses.
They are assigned automatically by an operating system (like Windows) when it can't get an IP address from a DHCP server.
Won't be able to get to the Internet

What are the Dangers?

“

Internet is derived from the Greek

φεσθηρινυ χεσςποολ

”

Festering Cesspool

Dangers

- Loss of Privacy
- Identity Fraud
- Reputational Harm
- Stealing personal information / banking
- Bullying
- Romance Scams
- Emotional Manipulation
- Pornography / Sex Trafficking
- Exposure to extreme world-views
- Spamming
- Phishing

Dangers

- Job Scams
- Impersonation Scams
- Tech Support Scams

Hackers and Scammers...

- Generally, aren't targeting you specifically - they cast a wide net
- Try to instill a sense of urgency
- May share public information about you to gain trust or validation
- Oftentimes duplicate popular companies and brands, but are still 'off'; look for misspellings, incorrect year/trademark dates, poor grammar, non-US phone numbers and area codes

This got me...

<https://servicing.schvvab.com>

It wasn't Charles Schwab

Two v's together look like a w

“

*Train up a child in the way he should go;
even when he is old, he will not depart
from it.*

”

Proverbs 22:6

What are the Benefits of the Internet?

Benefits

- Connecting with others
- Sharing information
- Collaborating on projects
- The TECH isn't the problem, it's the sinful nature that twists it



Remember...

The first printed book
on Gutenberg's Press
in the 1400s was a
Bible

...then Gutenberg printed Indulgences
For the Catholic Church



“

But the things that come out of a person's mouth come from the heart, and these defile them. For out of the heart come evil thoughts—murder, adultery, sexual immorality, theft, false testimony, slander. These are what defile a person; but eating with unwashed hands does not defile them.


”

Matthew 15:18-20


Some Examples of 'Good' Internet Resources

- <https://biblegateway.com>
- <https://godtube.com>
- <https://rightnowmedia.org>
- <https://bibleproject.com>

https://gotquestions.org



AskResourcesLibraryAboutConnectThe Gospel





FIND OUT
[How to go to heaven](#)
[How to get right with God](#)

Donate

Bible Questions Answered

9,782 articles available	791,590 email responses
15.2 million visitors last month	1,176 users right now

Do you have a question about God, Jesus, the Bible, or theology? Do you need help understanding a Bible verse or passage? Are there any spiritual issues in your life for which you need advice or guidance?



How Can We Keep Safe?

Personal Mobile Phones are a Gateway

- Not having a phone
- Compromise - Not having a *smart* phone
- Compromise - Having only an Android
- Compromise - Having an Apple device



DNS - Domain Name System

- Translates hostnames to IP Addresses
- Eg. tcc.org is known on the Internet as 69.174.115.69
- Controlling DNS is a reasonable, albeit minimal step; forwarding known, bad sites to a blackhole helps

OpenDNS Family Shield

- <https://signup.opendns.com/familyshield/>



- Configure on your Internet gateway to serve out OpenDNS Family Shield DNS nameserver parameters, instead of your Internet Provider's defaults

- 208.67.222.123
- 208.67.220.123

Good Way to Control



Disable Wireless here

Add Your own
Wireless



Good Way to Control



<https://a.co/d/451kdLG>

~\$350

pfSense or OPNsense personal firewall software



Having Your Own Internet Router Enables You to...



control traffic



be as specific/restrictive or permissive as you like



Put time restrictions on access - Internet is OFF at 9pm, back on at 8am



Collect/Observe where Internet traffic is going - what sites are being visited; how much traffic is going there

Other benefits of personal router/firewall

- Ability to connect a Virtual Private Network (VPN) - encrypted and traffic-controlled
- Think about the shared networks at your coffee shop or restaurant
- If your child's phone is configured to use cellular data AND ALWAYS VPN back to your home firewall, you can control more - this is how many content filtering solutions work

Besides *blocking* traffic - flip the equation

- Only permit vetted 'good' sites; block everything else
- Or rate limit everything else until verified

Parental Control Apps for mobile devices

- Bark
- Qustodio
- mSpy


Ultimately YOU are the Parent

- The school system doesn't 'own' them
- The government isn't responsible for their upbringing
- The doctors and therapists don't have the time or responsibility
- YOU. DO.

- Parenting is a COMMITMENT
- It WILL take effort
- Don't wimp out because you are “too busy” or “need to relax” - don't give Satan a foothold



Ephesians 4:27

- 
- Get Aligned with your spouse - Set agreeable limits AND ENFORCE THEM
 - Don't allow your children to tag team/divide you
 - Keep lines of communication open
 - Be their parent first, not their friend first
 - Share your experiences - help them know they aren't alone in their feelings and experiences

- Recognize obsessive behaviors early - help reset
- Don't let 'popularity' and 'likes' become a motivating factor of your children's life
- Keep home computer in public area where its use can be observed
- Seek FIRST the Kingdom of God - help them learn that God values them - He sent His son to redeem us all!

“I just want them to be happy...”

- Honor God
- Alleviate anxiety
- Pray
- Prevent sinful behavior
- Yeet the devil

“Everyone Else is Doing It...”

- Devoted to God
 - obeying His Word
 - i ncreasing in wisdom and stature
 - needing grace
 - giving Him our heart
-
- i can do all things
 - t hanking the Lord

- Children will not benefit from setting their world view and sense of morality from other children with the same (lack of) experience, maturity and spiritual growth

Proverbs 30:17

The eye that mocks a father and scorns to obey a mother will be picked out by the ravens of the valley and eaten by the vultures.

Proverbs 29:15

The rod and reproof give wisdom, but a child left to himself brings shame to his mother.

Proverbs 13:24

Whoever spares the rod hates his son, but he who loves him is diligent to discipline him.

Proverbs 22:15

Folly is bound up in the heart of a child, but the rod of discipline drives it far from him.