

Conflict in Cyberspace

Graduate Seminar, Fall 2023
Anton Sobolev

Week 05
Seminar: Technology Steps in
Lecture: Understanding Cyberspace

New TA: Min Shi

Min Shi (class materials, focus on coding)

Office Hours: Tuesday, 5-7 pm, G.R.3.314:

<https://minshi.youcanbook.me>

Forum / Emails: 9-10 AM

Kashmiri Medhi (class materials, focus on readings)

Office Hours: Thursday, 5-7 pm:

Forum / Emails: 6-7 PM

Group Activities Schedule

Activity	Module 2			Module 3			Module 4				
	W06	W07	W08	W09	W10	W11	W12	W13	W14	W15	W16
Discussion Lead	G1	G2	Midterm	G3	G4	G5	G6	G7	Fall	Final	
Presentation	G4	G5	Presentations	G6	G7	G1	G2	G3	Break	Presentations	

Group Activities Schedule

Activity	Module 2			Module 3			Module 4				
	W06	W07	W08	W09	W10	W11	W12	W13	W14	W15	W16
Discussion Lead	G1	G2	Midterm	G3	G4	G5	G6	G7	Fall	Final	
Presentation	G4	G5	Presentations	G6	G7	G1	G2	G3	Break	Presentations	

Group 1

Ajay
Shubham
Suraesh Krishnaa
Chirag

Group 2

Boenna
Ashby
Aayush
Aaron

Group 3

Bhuvan
Adela
Hoorain
Vasanth Rani

Group 4

Aminul
James Alexander
Sahil Sanjay
Ishani

Group 5

Will
Raul
Keerthana

Group 6

Esther
Glenn
Swayam

Group 7

Folasade
Nutchasorn
Arth

Groups

Module 2. Cyberspace: The Current Scene

W05 Governing Cyberspace

W06 Cyber Strategy

Discussion lead (G1) | Presentation (G4)

Activity

How to work with conflict-related data: Workshop

Midterm Conference Guidelines

New Topic

Cyber Strategy

W07 De-Coding Cyber Strategy: Midterm Conference Preparation

Due

Discussion lead (G1) | Presentation (G4)

Activity

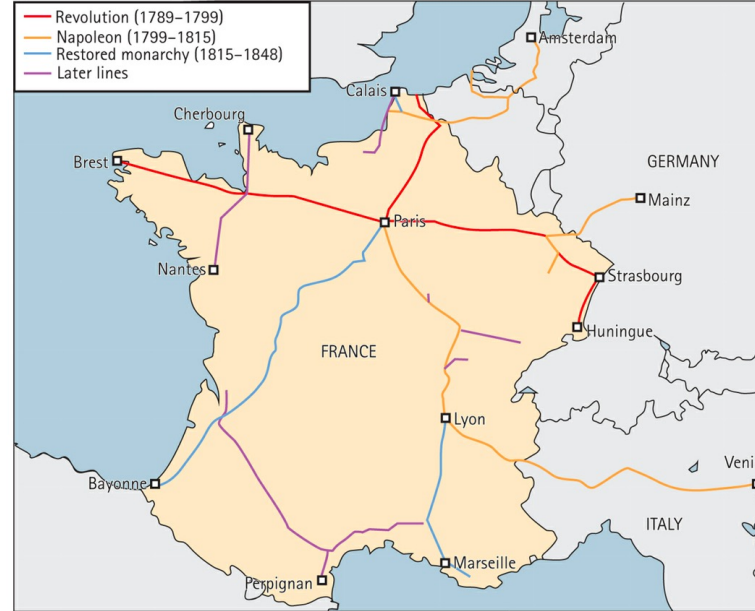
CyberSpace & Military Operations

W08 Political map of cyberspace: Mini-conference

ICT: Similarities in Spatial Diffusion



Spread of the Chappe telegraph 1793-1854



Map of France showing the spread of the Chappe telegraph. Information provided by Jean-Claude Bastian, telegraphe-chappe.com

Figure 1.3. Spread of the Chappe Telegraph, 1793-1854

Overlap In:

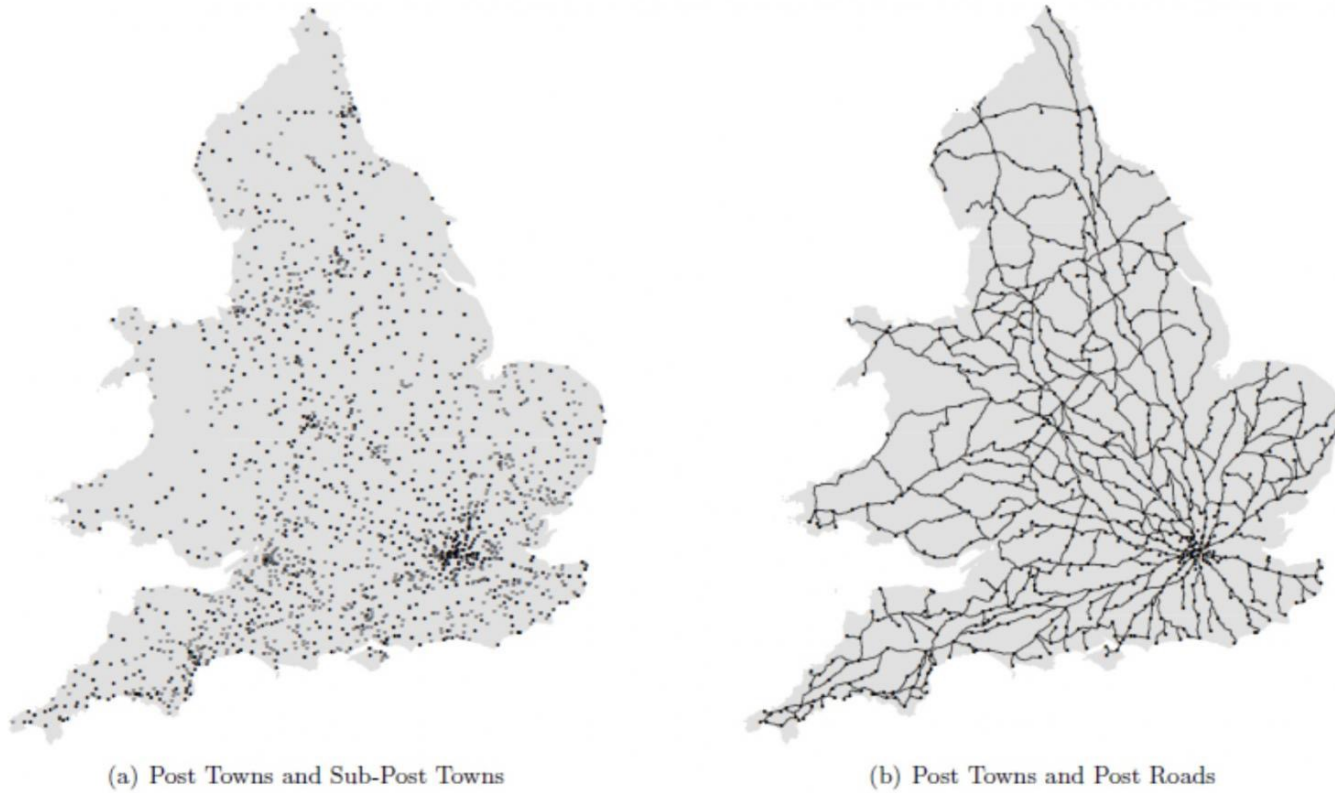
☐ Roads ☐ Telegraph

☐ Fiber

Wireless Signal Diffusion: Change in patterns?

☐ Radio | TV stations locations

Cont'd: Coincidence?



Note: The maps show England and Wales. Panel (a) shows post towns (black dots) and sub-post towns (grey crosses) observed around 1838. Panel (b) shows post towns (black dots) and postal roads digitized from maps around 1838.

Figure 2 Post towns, sub-post towns, and post roads in the UK around 1838

Cyber Space & Nature of Coercion:

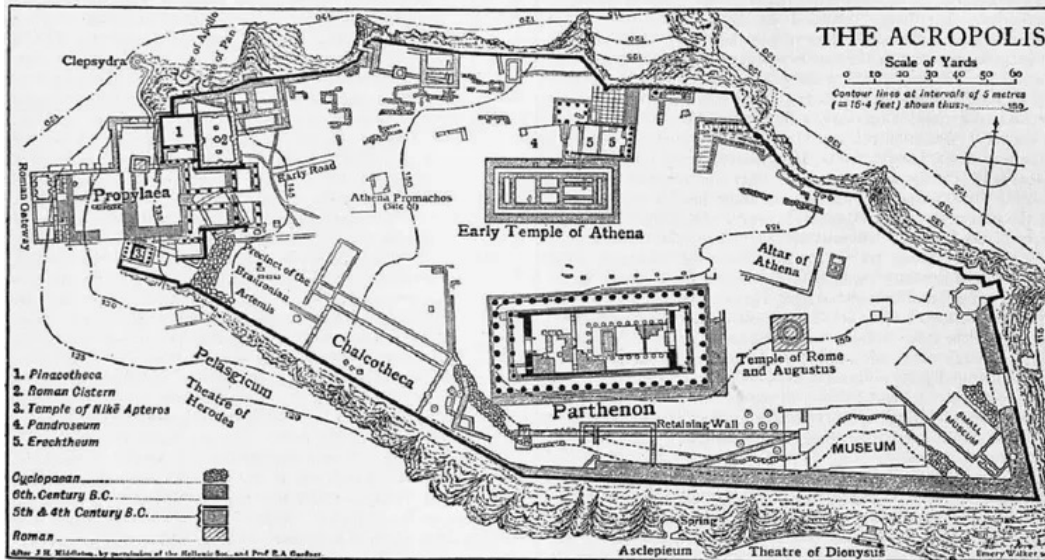
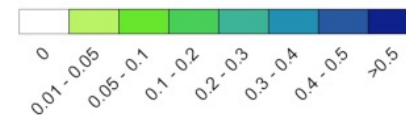
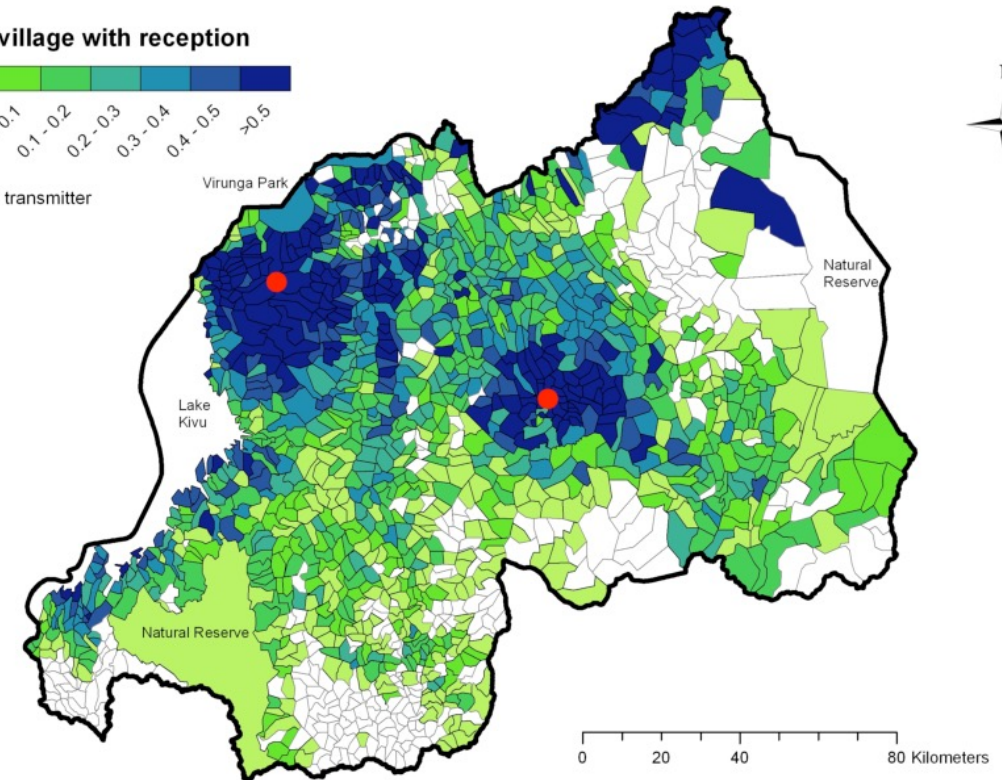


Figure II. RTLM radio coverage

Share of village with reception



RTLM transmitter



☐ Role of Borders & Walls

☐ Technology restricts

☐ Costs of Territorial Control

☐ Equilibrium level of Violence

Same Process? Monopolization in Cyberspace

Although this perspective was looked different 15 years ago: Viruses and Antivirus Companies as Protection-Racket Business

