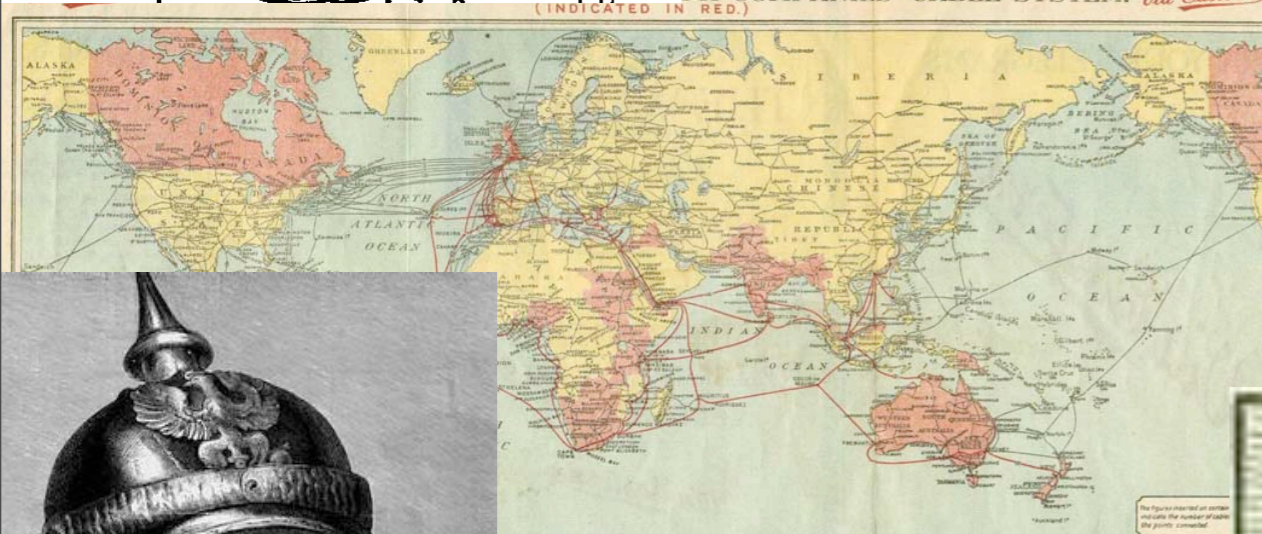
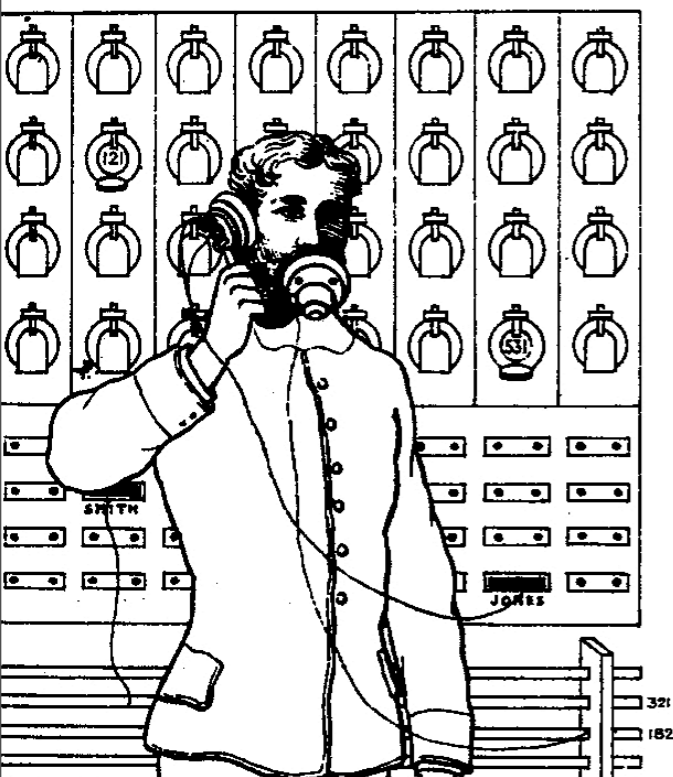


Information & Intelligence

History of Information

October 29





and so, intelligence

common issues

transmitting

collecting

preventing

sorting

retrieving

drowning

technological matters

transmission

interception

familiar concerns

national interest

commercial interest

Hofl Intel - 2
private interest



collecting and preventing

tapping the network

speech

post

press

cable

telephone

computers

restricting communication

ensorship

licensing



Sun Tzu

All warfare is based on deception

Hence, when able to attack, we must seem unable; when using our forces, we must seem inactive; when we are near, we must make the enemy believe we are far away; when far away, we must make him believe we are near

Hold out baits to entice the enemy. Feign disorder, and crush him

If he is secure at all points, be prepared for him. If he is in superior strength, evade him

If your opponent is of choleric temper, seek to irritate him.

Pretend to be weak, that he may grow arrogant

If he is taking his ease, give him no rest. If his forces are united, separate them

Attack him where he is unprepared, appear where you are not expected.



Sun Tzu

Thus the highest form of generalship is to balk
the enemy's plans

Hence the saying: If you know the enemy and know
yourself, you need not fear the result of a hundred
battles. If you know yourself but not the enemy, for
every victory gained you will also suffer a defeat.



Sun Tzu

simulated disorder postulates perfect discipline,
simulated fear postulates courage; simulated weakness
postulates strength

Hiding order beneath the cloak of disorder is simply a
question of subdivision; concealing courage under a show of
timidity presupposes a fund of latent energy; masking
strength with weakness is to be effected by tactical
dispositions

Thus one who is skillful at keeping the enemy on the move
maintains deceitful appearances, according to which the enemy
will act. He sacrifices something, that the enemy may snatch
at it

By holding out baits, he keeps him on the march; then with a
body of picked men he lies in wait for him.



Sun Tzu

We cannot enter into alliances until we are acquainted
with the designs of our neighbors.

The rising of birds in their flight is the sign of an
ambuscade. Startled beasts indicate that a sudden attack is
coming

When there is dust rising in a high column, it is the sign of
chariots advancing; when the dust is low, but spread over a
wide area, it betokens the approach of infantry. When it
branches out in different directions, it shows that parties
have been sent to collect firewood. A few clouds of dust
moving to and fro signify that the army is encamping.



Sun Tzu

& the intelligence budget

"To remain in ignorance of the enemy's condition simply because one grudges the outlay of a hundred ounces of silver in honours and emoluments, is the height of humanity"



Sun Tzu

spies

- (1) Local spies [native agents]: employing the services of the inhabitants of a district.
- (2) inward spies [inside agents]: making use of officials of the enemy
- (3) converted spies [double agents]: getting hold of the enemy's spies and using them for our own purposes.
- (4) doomed spies [expendable agents, agents provocateurs]: doing certain things openly for purposes of deception, and allowing our spies to know of them and report them to the enemy.
- (5) surviving spies [living agents]: who bring back news from the enemy's camp



Sun Tzu

spymasters & the divine skein

When these five kinds of spy are all at work, none can discover the secret system. This is called the "divine manipulation of the threads." It is the sovereign's most precious faculty.

spies cannot be usefully employed without a certain intuitive sagacity

a complete picture?



placing intelligence

truth

fact

news

speculation

comment

rumour

gossip

hoax

falsehood



questions of quality

truth
fact
news

intelligence

speculation

comment

intelligence

rumour

gossip

hoax

intelligence

falsehood

THE WHITE HOUSE
PRESIDENT GEORGE W. BUSH

Search

Podcasts RSS Feeds

Home > News & Policies > January 2003

Printer-Friendly Version Email This Page

The President shall from time to time give to Congress
State of the Union President George W. Bush
as he shall judge necessary and expedient. Article II, Section 3, U.S. Constitution

For Immediate Release
Office of the Press Secretary
January 28, 2003

President Delivers "State of the Union"
The U.S. Capitol
9:01 P.M. EST

THE PRESIDENT: Mr. Speaker, Vice President Cheney, members of Congress, distinguished citizens and fellow citizens: Every year, by law and by custom, we meet here to consider the state of the union. This year, we gather in this

Video (Real)
Audio
En Español

The International Atomic Energy Agency confirmed in the 1990s that Saddam Hussein had an advanced nuclear weapons development program, had a design for a nuclear weapon and was working on five different methods of enriching uranium for a bomb. The British government has learned that Saddam Hussein recently sought significant quantities of uranium from Africa. Our intelligence sources tell us that he has attempted to purchase high-strength aluminum tubes suitable for nuclear weapons production. Saddam Hussein has not credibly explained these



truth and lies

*"Without subtle
ingenuity of mind,
one cannot make
certain of the
truth of their
reports"*

Sun Tzu

philosophers as midwives

Women do not bring into the world at one time real children, and at another time counterfeits which are with difficulty distinguished from them.

--Socrates

If falsehood, like truth, had only one face, we would be in better shape, for we would take as certain the opposite of what the liar said. But the reverse of truth has a hundred thousand shapes and a limitless field.

--Montaigne



spy vs spy



Goodhart's law

"any observed statistical regularity will tend to collapse once pressure is placed upon it for control purposes"

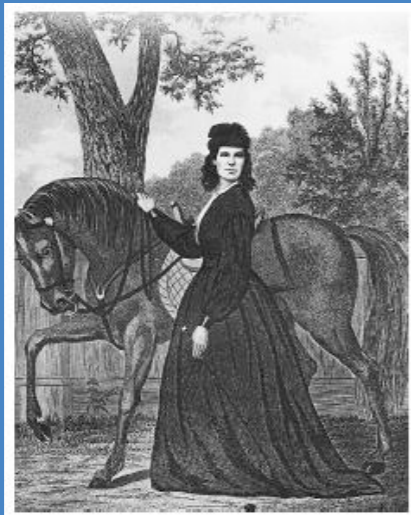
equally

"any reliable source of information is likely to become unreliable once it is clear that it is being used"

Mabillon & diplomatics



trusted agents



diplomats

monks

journalists

merchants

women

scholars



the development of espionage in Europe

a very brief & selective history

15th century Italy & the city states
diplomats and spies

16th century England

Walsingham (1532-1590) and his network
John Dee (1527-1609) (& Trithemius)
Christopher Marlowe (1564-1605)
& the Cambridge connection





double games



suspect populations

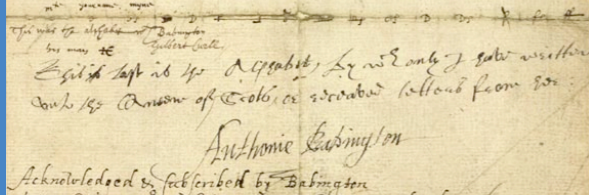
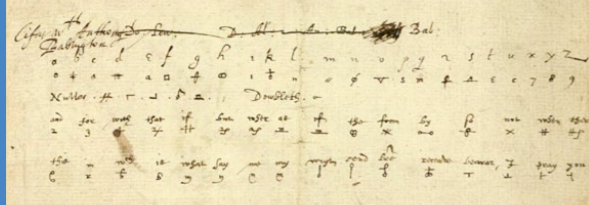
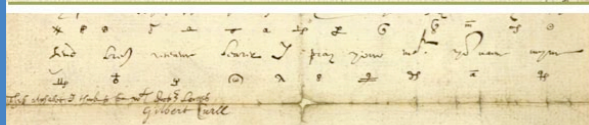
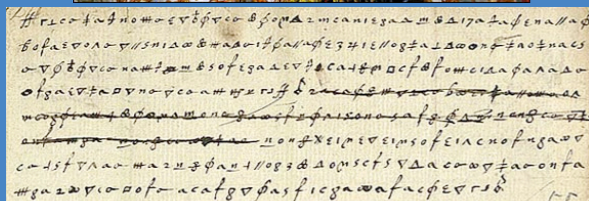
entrapment

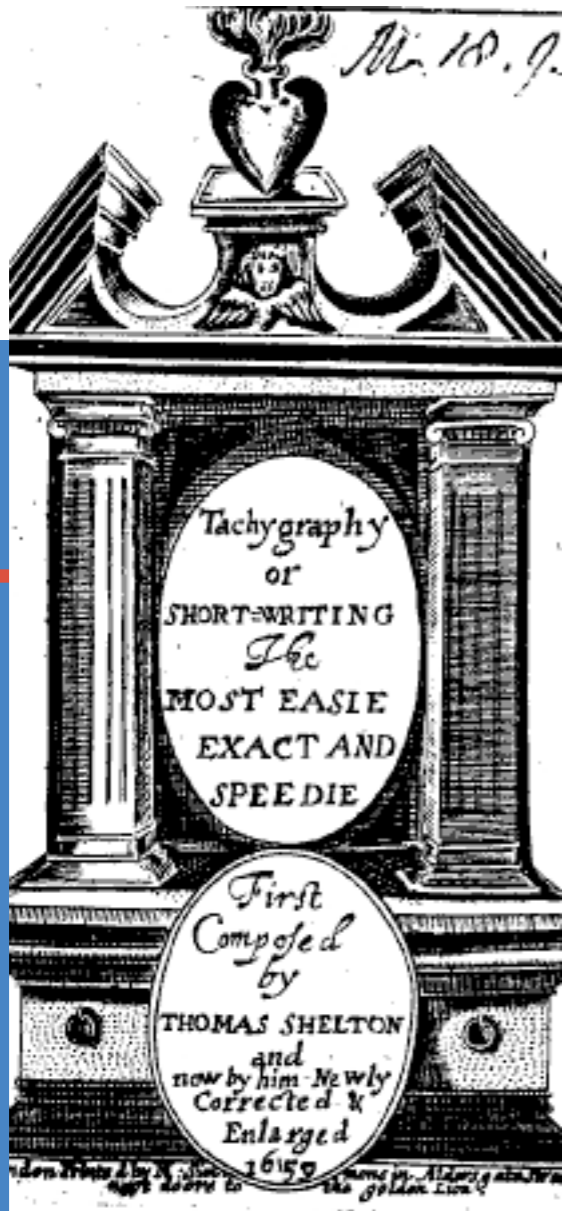
Mary, Queen of Scots (1542-1587)

Thomas Phelippes (1556-1625)

"cryptographer, forger, and gatherer of secret correspondence"

"although he has promised to do me service, I know he that he is playing a double game"





the rise of cryptography

sign systems

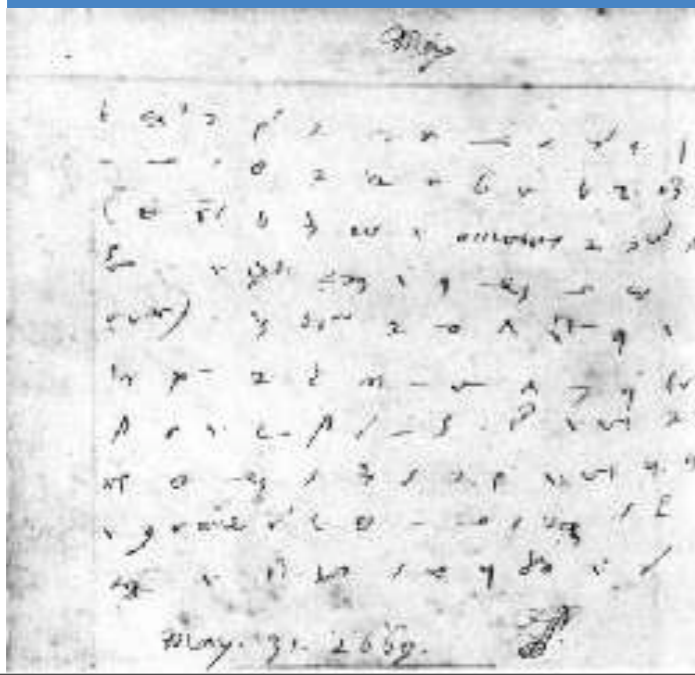
public

private

tachygraphy vs cryptography

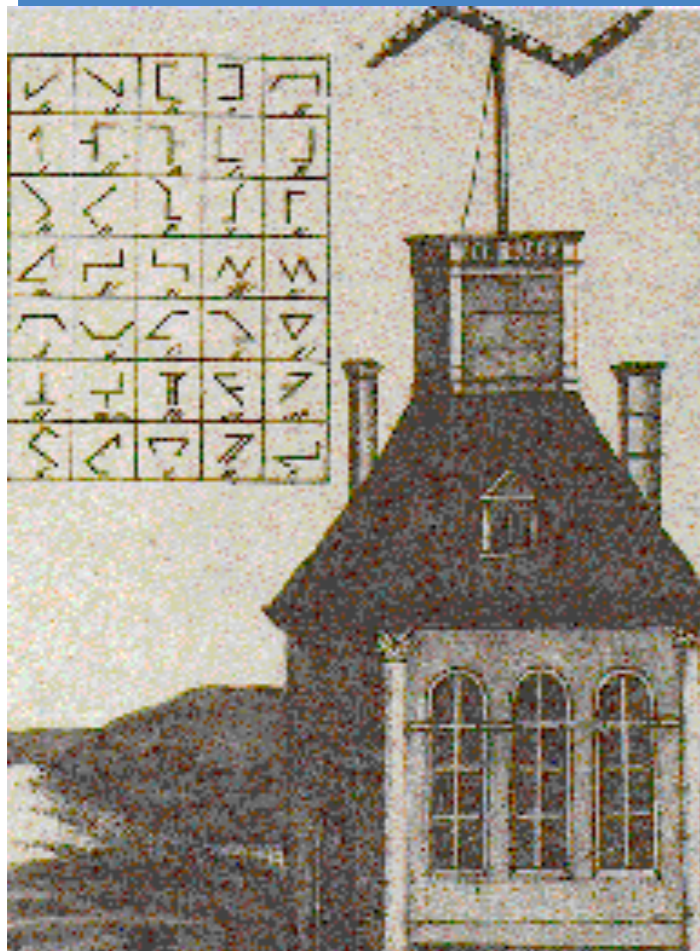
Pepys' diary

Thomas Shelton, *Tutor to Tachygraphy* (1642)





telegraphy



└	└	└	└	Code
		└		Enc
└	└	└	└	Republique
		└		à
		└	└	Republique
└	└	└	└	Republique
		└	└	code de loi
		└	└	à
└	└	└	└	maison
		└		à
└	└	└	└	Republique
		└		maison

encryption

morse code

coded addresses

coded communications



back to the seventeenth century England



a protestant "skein"

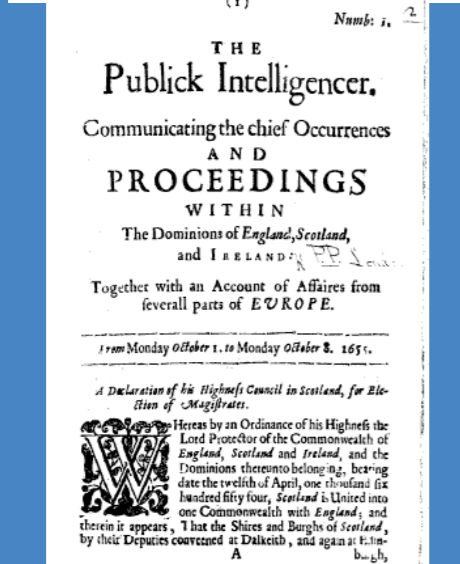
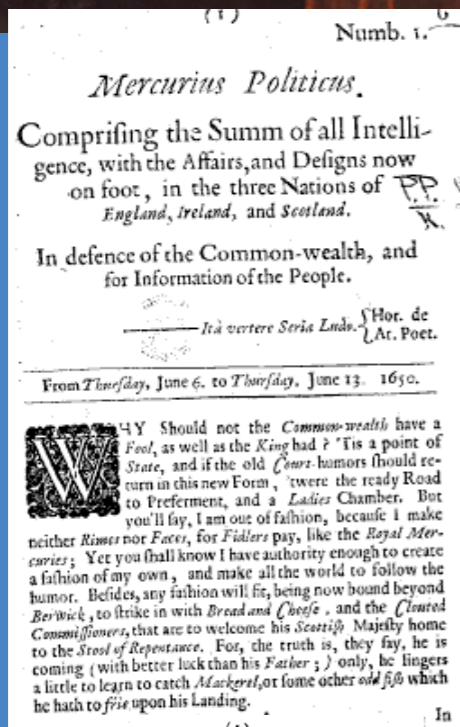
Henry Wotton (1568-1639)
in Venice (1604-1612)

"An ambassador is a man of virtue sent to lie abroad for his country; a news-writer is a man without virtue who lies at home for himself"

Sir Henry Wotton



civil war



"number one argus"
John Thurloe (1616-1668)
the Posts & the Press

Mercurius Politicus & Public Intelligencer
£70,000 intelligence budget

Secretary Morrice did this day in the House when he talked of intelligence, say that he was allowed but £700 a-year for intelligence, whereas, in Cromwell's time, he did allow £70,000 a year for it; and was confirmed therein by Colonel Birch, who said that thereby Cromwell carried the secrets of all the princes of Europe.

--Pepys, Feb. 14, 1687/8



The New York Times

Make NYTimes.com your homepage

Washington

\$43.5 Billion Spying Budget for Year, Not Including Military

By [MARK MAZZETTI](#)

Published: October 31, 2007

[WASHINGTON](#), Oct. 30 — Congress authorized spending of \$43.5 billion over the past year to operate spy satellites, remote surveillance stations and [C.I.A.](#) outposts overseas, according to a budget figure released Tuesday by [Mike McConnell](#), director of national intelligence.

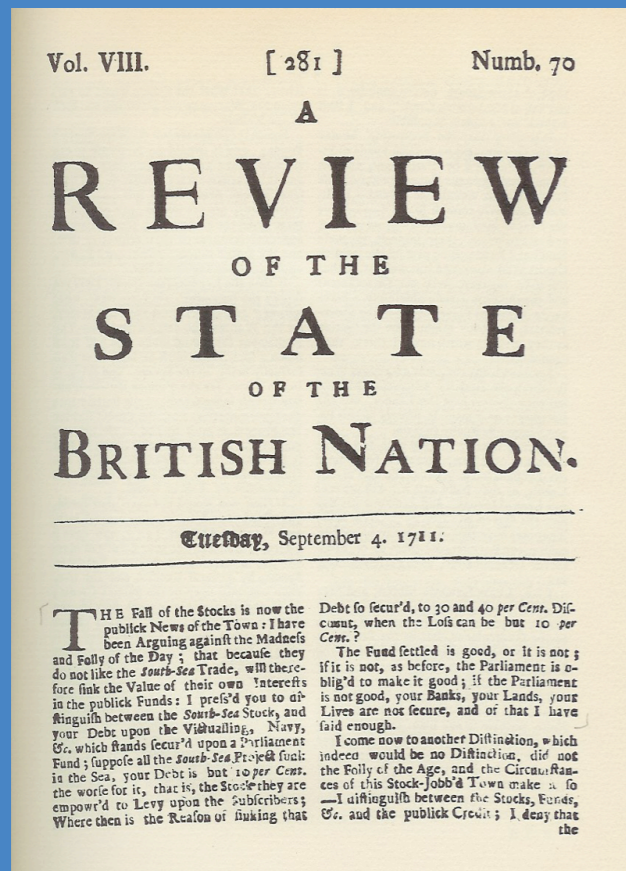
Government officials have refused for years to disclose the intelligence budget, citing risks to national security if the United States' adversaries learned what it spent annually on spy services.

But lawmakers, acting on a recommendation by the Sept. 11 commission, pushed a law through Congress this summer requiring that the director of national intelligence reveal the spending authorization figure within 30 days after the close of the fiscal year, which ended Sept. 30.

The number released Tuesday does not include the billions of dollars that military services spend



eighteenth century



cabinet papers

London Gazette

Review

Examiner

Post-Boy

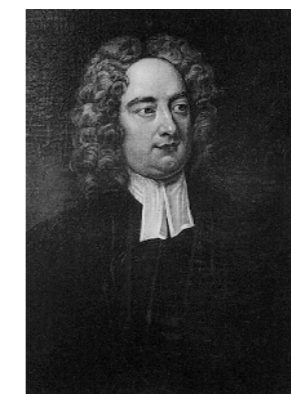
Mercator



in-house journalists

Defoe

Swift ...





Stripes part of America Supports You audit

BOOKMARK

EMAIL

PRINT

LISTEN odioigo

Newspaper's funds used for DOD's public relations program under review by IG

By [Jeff Schogol](#), Stars and Stripes
Midwest edition, Saturday, October 20, 2007

the press & intelligence

View the July 2006 documents [here](#).

ARLINGTON, Va. — The Defense Department Inspector General's Office has widened its review of America Supports You to include Stars and Stripes, Defense officials said.



in-house journalists

Jeff Gannon
Maggie Gallaher
Armstrong Williams

Citations Issued in Education Case

By REUTERS
Published: October 19, 2007

WASHINGTON, Oct. 18 (Reuters) — The [Federal Communications Commission](#) on Thursday against a conservative commentator for promoting the education plan without disclosing that he had been paid to do so.

The commentator, Armstrong Williams, whose firm was also cited, was not subject to any fines for a first violation of F.C.C. rules, because he and his company are not broadcasters.

But the agency said it had fined two broadcasting companies, including the Sinclair Broadcast Group, for putting on the air programs distributed by Mr. Williams and his company, the Graham Williams group, without properly disclosing who had sponsored them.

Mr. Williams could not immediately be reached for comment. He has denied any wrongdoing but has acknowledged that the Education Department's outside media firm paid \$240,000 to promote the [No Child Left Behind](#) policy on a television show on which he was the host.

Mr. Williams has said he was a strong backer of No Child Left Behind and was not influenced by outside parties.



SAVE

SHARE

ARTICLE TOOLS SPONSORED BY THE DARJEEL LIMITED





maps, intelligence, information

"There were no uniform maps in the era
when the voyages were made"
--Headrick

no *European* maps

Pei Xiu, (224-271) *Yugong Diutu* Xu

6 principles of mapmaking:

scale

square grid

right-angled triangles to derive distance

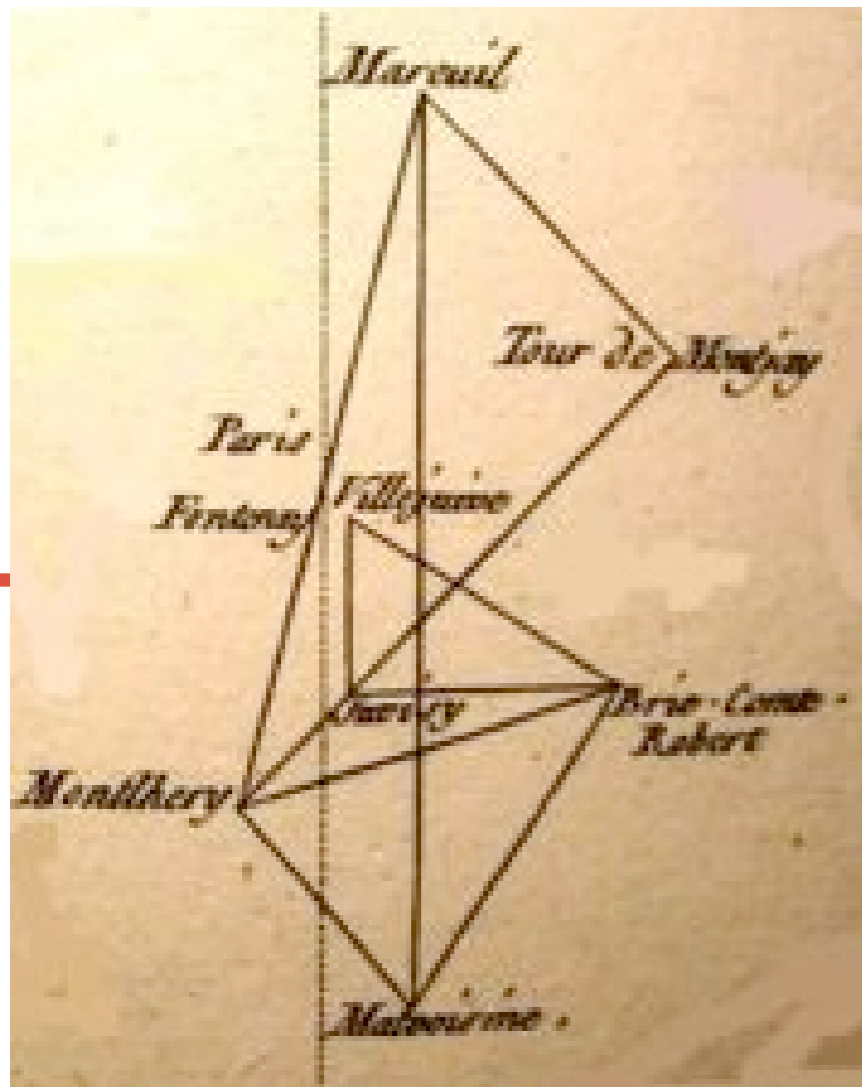
projections

elevation

gradient

direction





triangulation

the need for (and risk of) maps
the **Portuguese**
the **French**
the **English** & the Ordnance Survey

the **US**

Stonewall Jackson's campaign

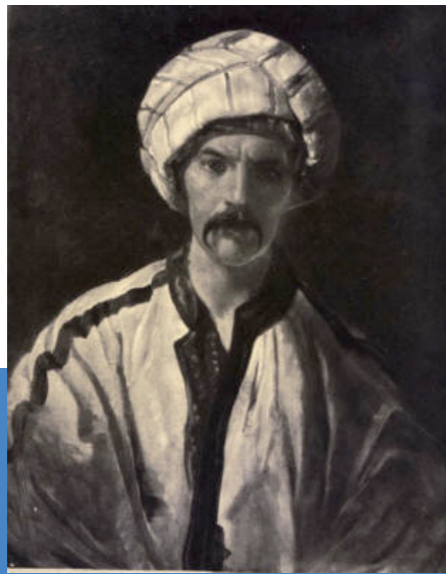
"Not until 1863 did the [Northern] Army of the Potomac have an accurate map of Northern Virginia, its theatre of operations"

--Williams, *Lincoln and His Generals*

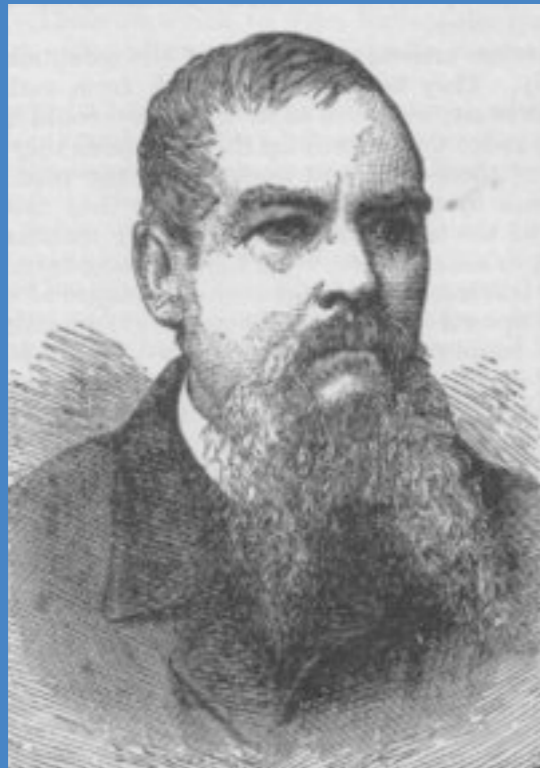
Jedediah Hotchkiss (1828-1889)

Hofl Intel - 25





nineteenth century

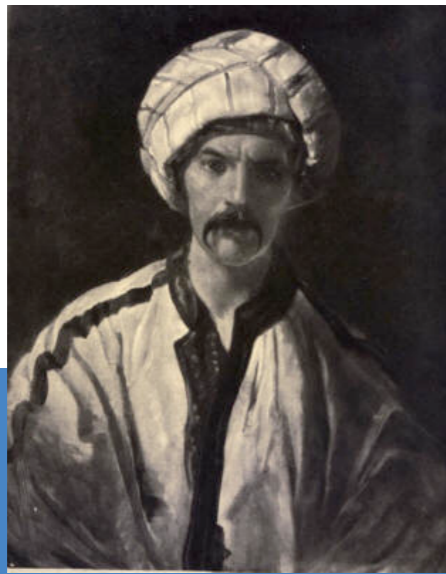


"the great game"

Richard Burton (1821-1890)
Mirza Abdullah of Bushehr

science & intelligence
pilgrim to the forbidden cities





nineteenth century



"the great game"

Richard Burton (1821-1890)
Mirza Abdullah of Bushehr

science & intelligence
pilgrim to the forbidden cities



US army enlists anthropologists

By Kambiz Fattahi
BBC Persian Service, Washington

The Pentagon is pulling out all the stops in Iraq and Afghanistan.



India



empire & information

political intelligence, indigenous informants,
possible rebels

mapping India

the India survey & "the great arc"
"Pandit" Nain Singh Rawat

Kim

Rudyard Kipling



and Kim



Harry St. John Philby (1885-1960)



Harold "Kim" Philby (1912-1988)



and Kim



Harry St. John Philby (1885-1960)

Harold "Kim" Philby (1912-1988)





boys will be ...



Boer War

Baden-Powell (1857-1941)

Aids to Scouting (1899)

Scouting for Boys (1908)



twentieth century

a writer's view

Erskine Childers

John Buchan

Somerset Maugham

Graham Greene

John le Carré



institutionalized spying



1909
MO5 (army)/MI5
SSB (navy)/MI6

1942-1945
OSS

1947
CIA
NSC



Major-General William J. Donovan



alternative views

the double agents

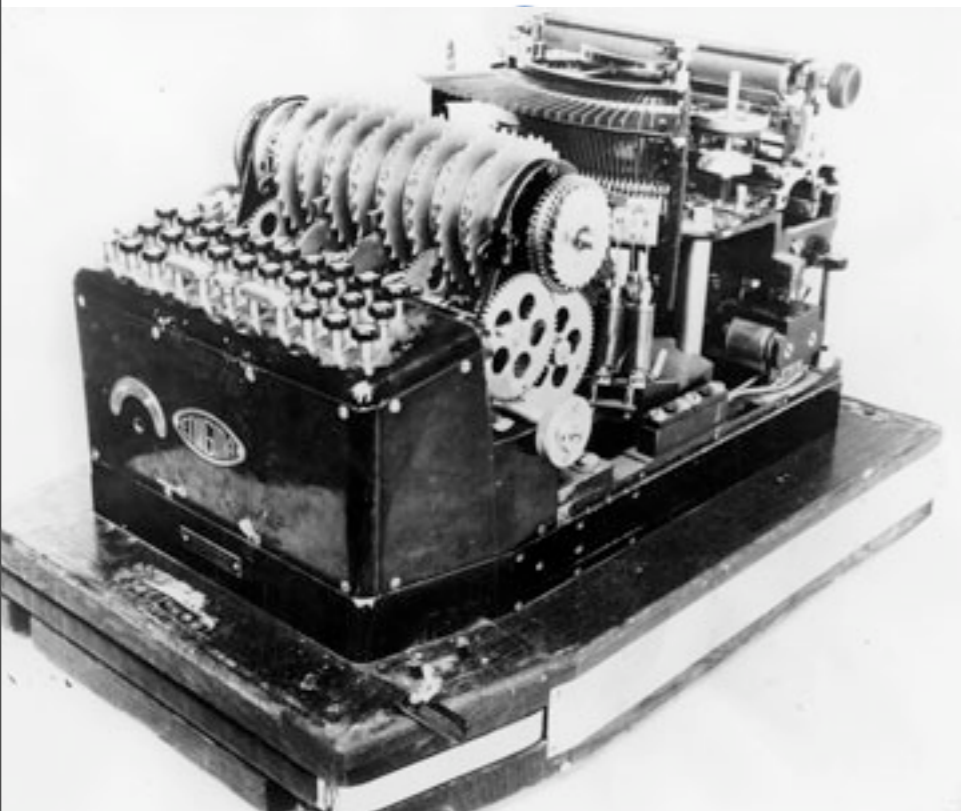
Philby

Burgess

MacLean

Blunt





alternative views

Room 40

Bletchley Park

Alan Turing (1912-1954)

Enigma
Colossus

