



The Cyberlous Mrs. Maisel



A Comedic (slightly terrifying)
Introduction to
Information Warfare

The Marvelous Mrs. Maisel

Season 2  

★★★★☆ (3,369) IMDb 8.7 2018 2 Seasons   

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Elements of Information Warfare

1. The military art of using information;
2. To deliberately mislead an opponent;
3. And influence their decision-making;
4. For a strategic purpose.



Military Thought

A RUSSIAN JOURNAL OF MILITARY THEORY AND STRATEGY



“Possessing [knowledge of] the wide spectrum of enemy deception techniques and methods considerably reduces the probability of being deceived yourself because it will be **easier to foresee similar ploys[.]**”

-- Col. V.N. Karankevich (Ret), ‘How to Learn How to Deceive the Enemy’, *Military Thought*, 15:4, (2006), p. 151 (emphasis added).



Joint Concept for Operating in the Information Environment (JCOIE)



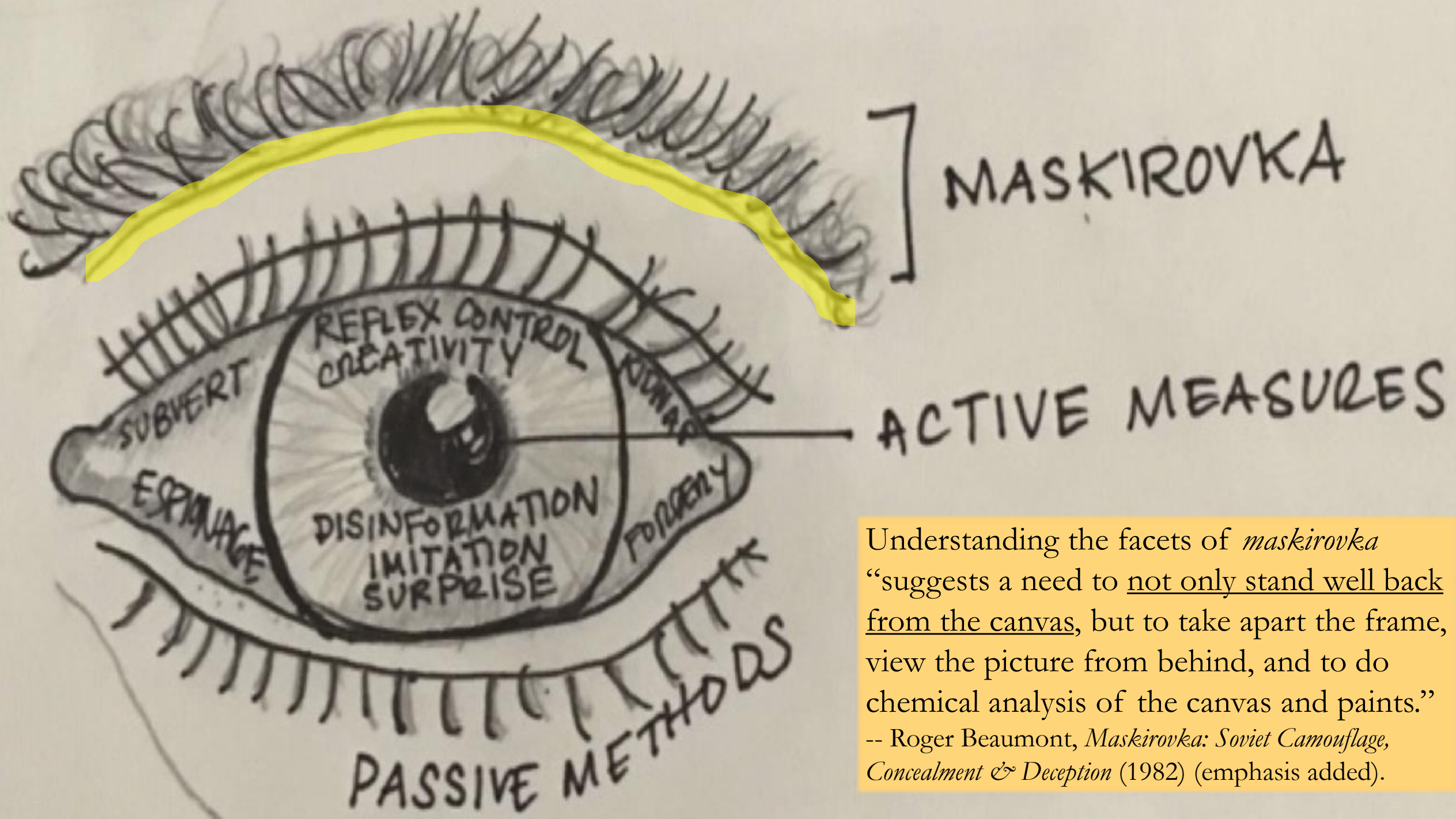
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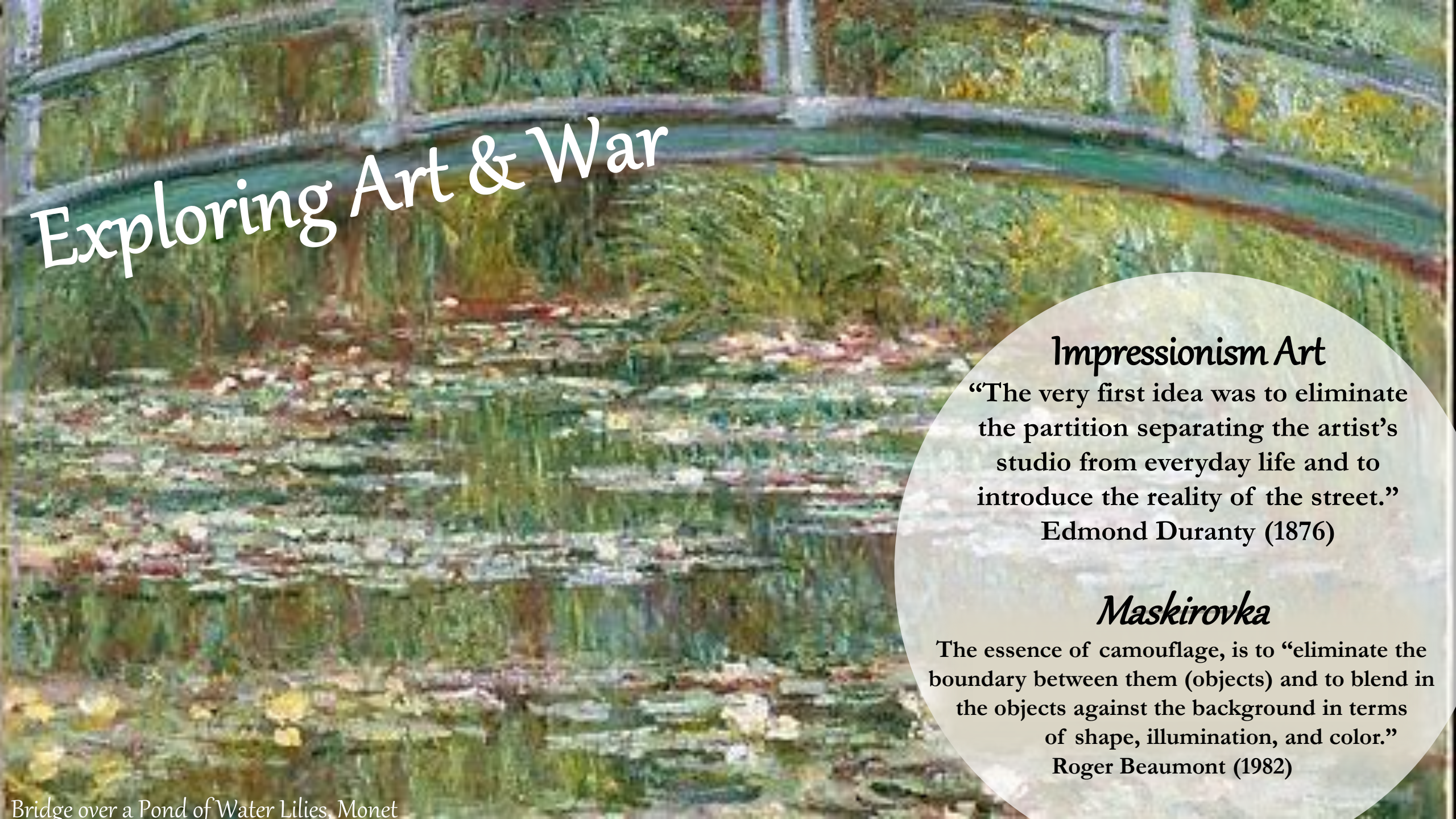
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Information Environment

- “The IE is comprised of and aggregates numerous **social, cultural, cognitive, technical, and physical attributes** that act upon and impact knowledge, understanding, beliefs, world views, and, ultimately, actions of an individual, group, system, community, or organization. The IE also includes **technical systems and their use of data.**”
-- *JCOIE*, July 2018 (emphasis added).



Understanding the facets of *maskirovka*
“suggests a need to not only stand well back from the canvas, but to take apart the frame, view the picture from behind, and to do chemical analysis of the canvas and paints.”
-- Roger Beaumont, *Maskirovka: Soviet Camouflage, Concealment & Deception* (1982) (emphasis added).



Exploring Art & War

Impressionism Art

“The very first idea was to eliminate the partition separating the artist’s studio from everyday life and to introduce the reality of the street.”

Edmond Duranty (1876)

Maskirovka

The essence of camouflage, is to “eliminate the boundary between them (objects) and to blend in the objects against the background in terms of shape, illumination, and color.”

Roger Beaumont (1982)



What is *Maskirovka*?

Soviet Military Encyclopedia defines *maskirovka* as:

“The aggregate of measures to deceive the adversary regarding the presence and disposition of troops (forces), military vehicles and installations (targets), their status and condition, combat readiness and actions, as well as command authority plans; category of operational (combat) support.”

VARIOUS METHODS OF TACTICAL MASKIROVKA



1.) Deformative masking (deformaruischaya)



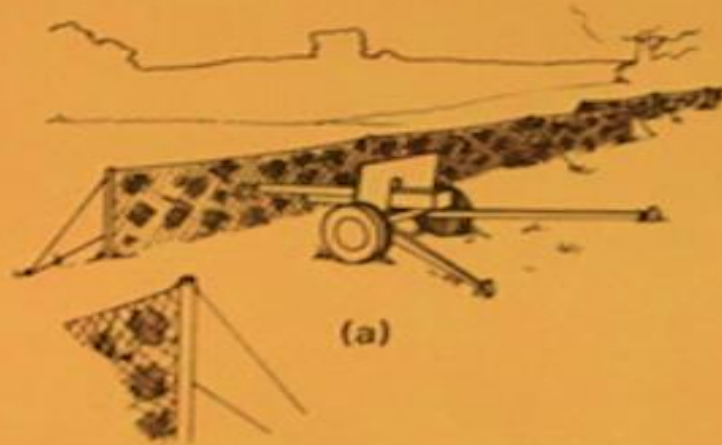
2.) Horizontal camouflage net



3.) Trees tied together



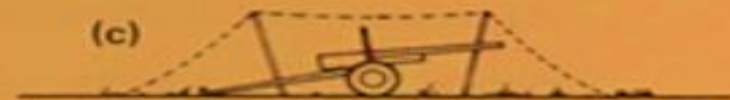
4.) Forms of road traffic masking using nets and frames with foliage.



(a)



(b)



(c)



(e)



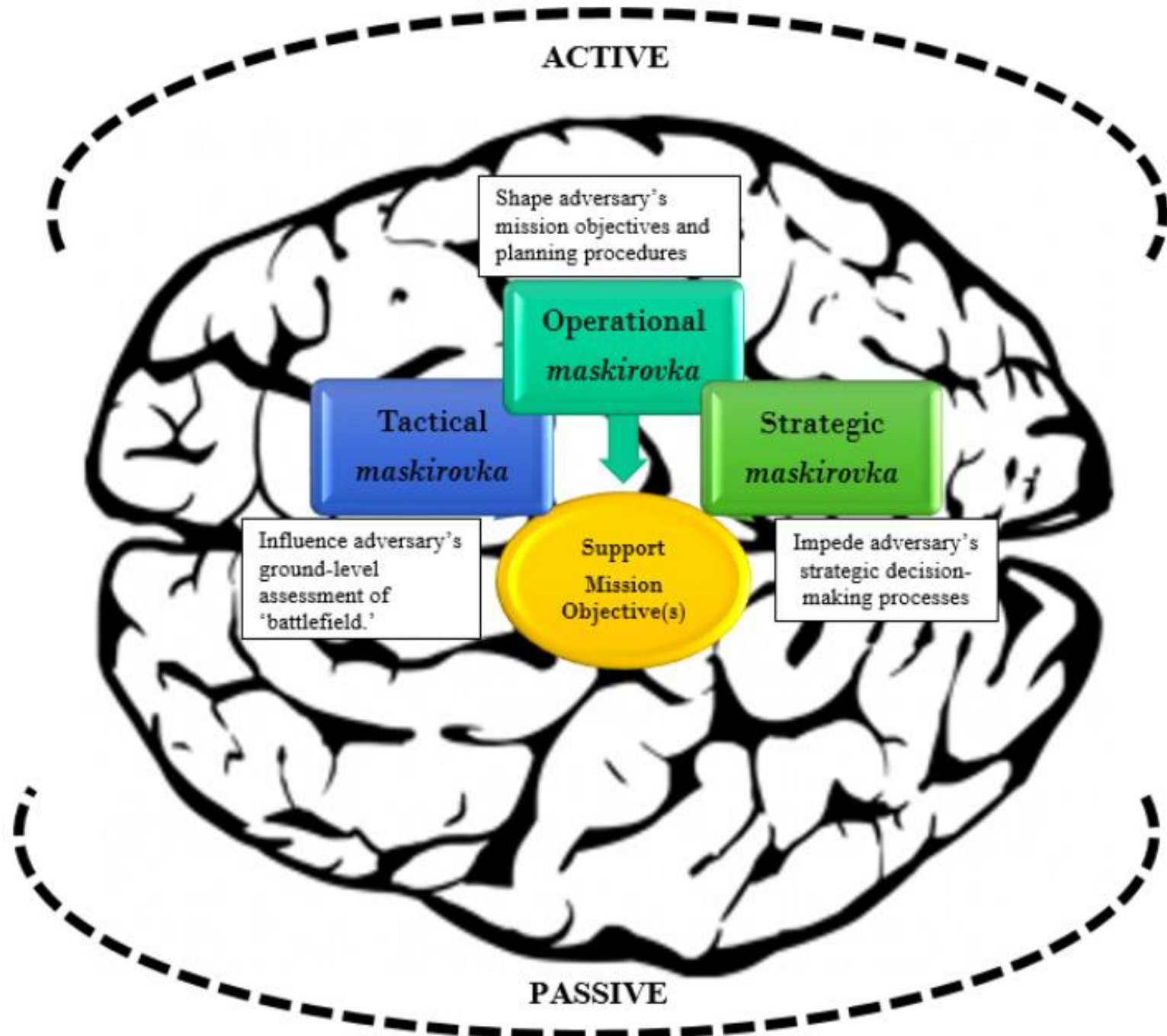
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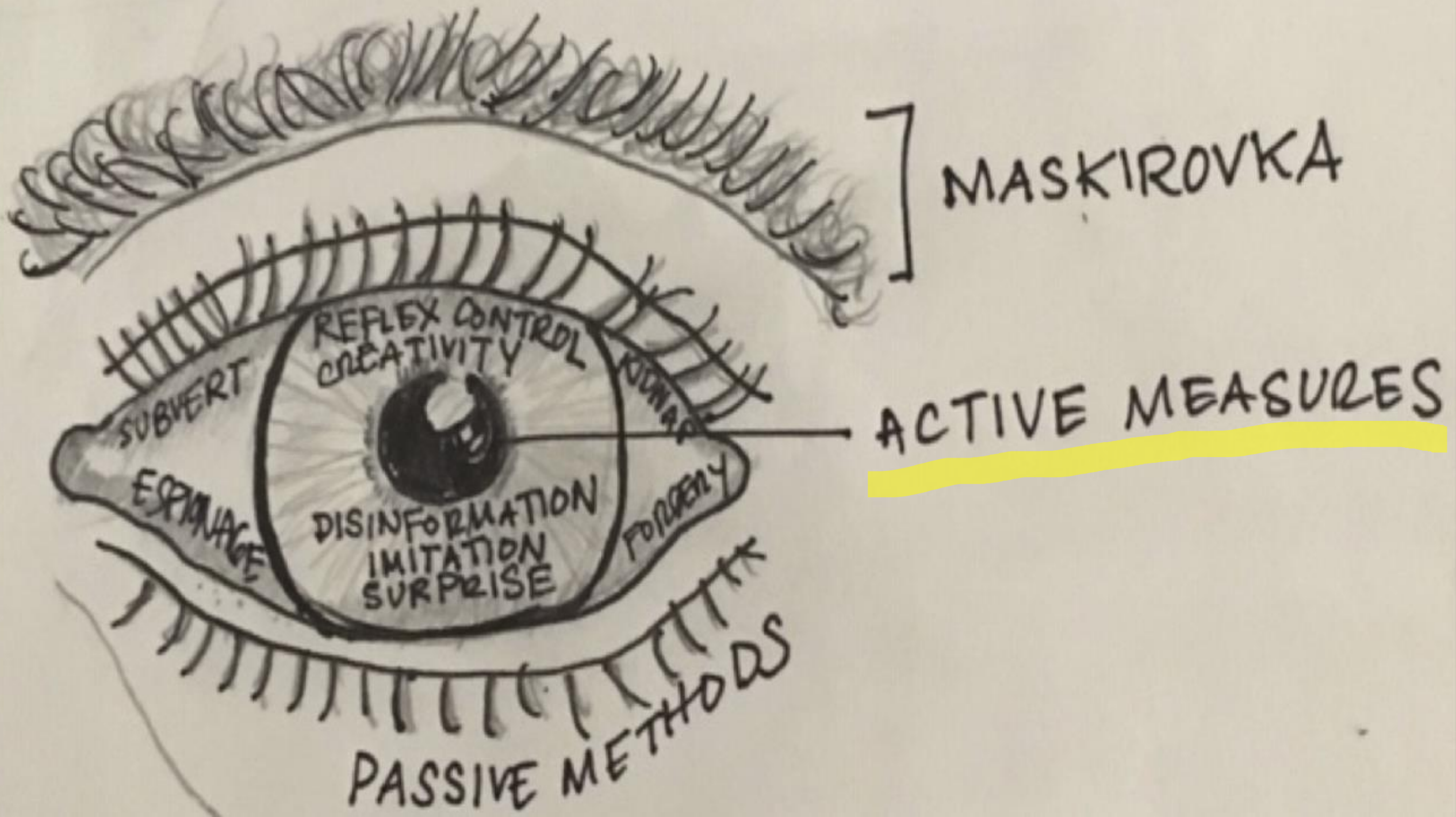


(f)

Three Objectives of *Maskirovka*

1. Influence enemy commander's perception of situation;
2. Shape their mission objectives and planning procedures;
3. And impair effective decision-making processes.





Disinformation

Activities to propagate false or misleading information

Operation Infektion (1983)

Russia's Seven Strategic Elements of Disinformation – according to the *NYT*

AIDS may invade India

Mystery disease caused by US experiments

NEW YORK:

AIDS, the deadly mysterious disease which has caused havoc in the US, is believed to be the result of the Pentagon's experiments to develop new and dangerous biological weapons.

Now that these menacing experiments seem to have gone out of control, plans are being hatched to hastily transfer them from the US to other countries, primarily developing nations where governments are pliable to Washington's pressures and persuasion.

Some American experts believe that Pakistan may become the next proving ground for these experiments. If this happens, there will be a real danger that AIDS may rapidly spread to India with the grave consequences to the people of the

A well-known American scientist and anthropologist, in a letter to Editor, Patriot, analyses the history and background of the deadly AIDS which started in the US and has now spread to Europe. The writer, who wants to remain anonymous, has expressed the fear that India may face a danger from this disease in the near future.

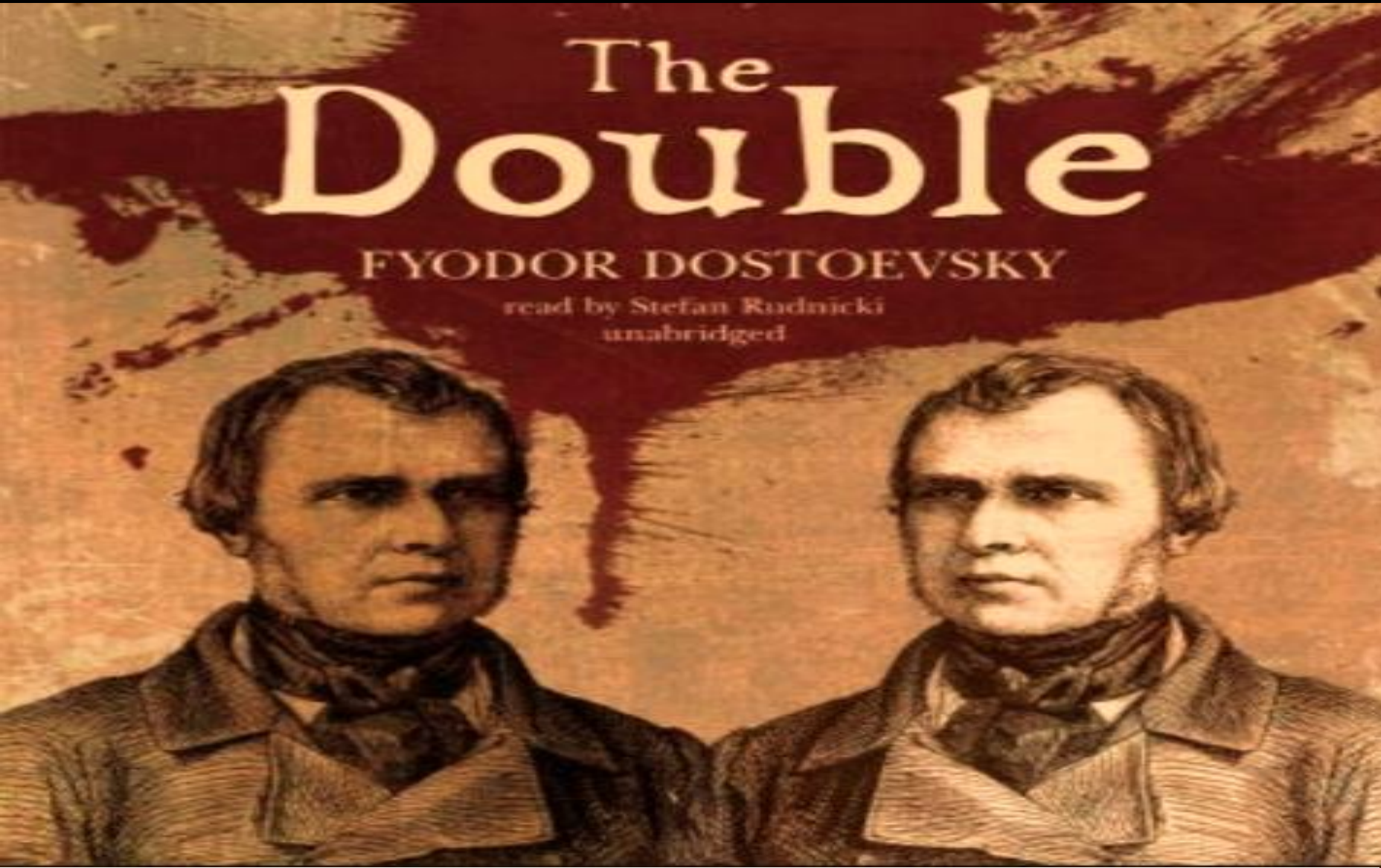
forms and in most cases leads to death.

AIDS has recently been registered in as many as 16 countries, primarily in those which import American blood donations. For some of the countries the disease has already become extremely dangerous.

among immigrants from Haiti. At that time, however, no one seemed to bother to pay any serious attention both on the part of the local authorities and the US public at large. In 1980 there was another sign of AIDS and again in New York. This time in addition to Haitian immigrants the disease struck local Americans, primarily drug addicts and homosexuals. By February 1983, AIDS had affected large sections of the American population and had been registered in 33 states. New York accounted for 49 per cent of all the cases that had been officially registered in the US by that time.

Concerned American citizens and organisations began to wonder why does AIDS, just like some other previously unknown diseases, appear to be spreading

Reflexive Control – Information Doppelgänger





Exploring RC in Theory & in Practice

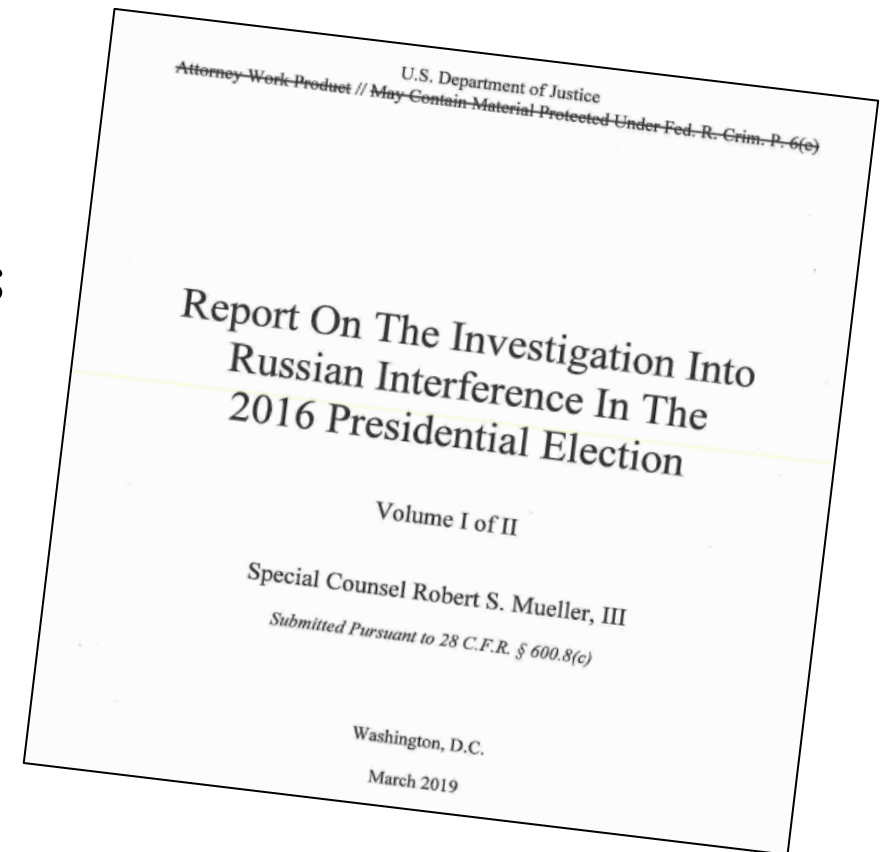


Four ways to influence enemy commanders and political opponents to gain 'control',
according to Russian Major General (ret.) M. D. Ionov

1. Build a high-intensity pressure environment
2. Inject false information into the environment
3. Shape and influence the enemy's planning process
4. Leverage surprise attacks to accelerate enemy's timeline for decision-making

Thought Experiment - Use on Civilian Audiences?

What if we applied the logic of this four-step method to the
Special Counsel's findings in the Mueller Report?



Where Do We Go From Here?

The Magpies and the Cuckoos: A Disinformation Fable



AA FONT SIZE + PRINT

UNKNOWN ARTIST / FREER | SACKLER GALLERY

BY JESSICA MALEKOS SMITH

READ BIO

JULY 20, 2019

The magpies have a complex and vigorous society. What happens when two conniving cuckoos come to town?

Late last year, the New York Times explored a **case study in disinformation**: the Soviet Union's 1983 effort to spread lies about the origin of AIDS. The Times noted that **Operation Infektion**, like successful disinformation operations earlier and since, relied on **seven elements**:

MOST READ

- 1 The Magpies and the Cuckoos: A Disinformation Fable
- 2 Trump Says US Troops Shouldn't Be 'Policemen' in Afghanistan. So Why Are They There?
- 3 The US Is Unprepared to Mobilize for Great Power Conflict



Education & Civic Outreach

“A rising tide lifts all boats”

Leveraging Attribution

- Efforts by social media platforms and the government to publicly attribute the false information could help reduce the volume and impact of disinformation;
- however; what's the best accountability framework?
- *Quis custodiet ipsos custodes* (who watches the watchers?)

Where Do We Go From Here?

Charting New Policy

Election Security

- DNI Coats recently announced creation of new government advisory position –Election Threats Executive – to serve as top advisor to DNI on election security threats
- Creating an Election Executive and Leadership Board to function as “the principal vehicle for IC-wide coordination and focus on election threats[.]” –*The Washington Times*

Unity of Effort in Cyber Operations

- Announcement of NSA’s New Cybersecurity Directorate – October 1, 2019, to protect National Security Systems and the Defense Industrial Base
- “Defend Forward” – USCYBERCOM’s new Cyber Strategy 2018

The New York Times



A voter casting his ballot in the midterm elections last year in Medina, N.D.

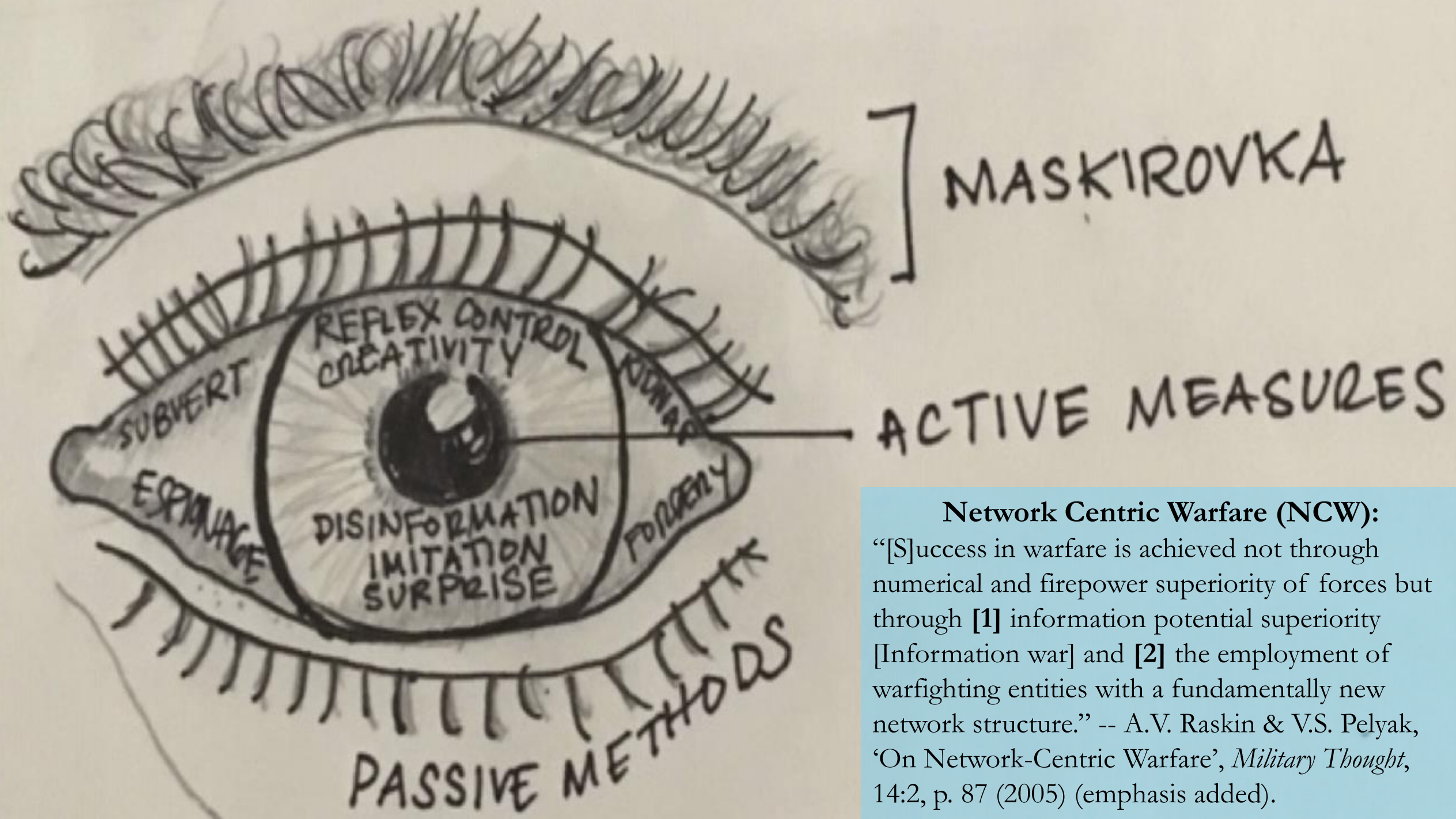
Hilary Swift for The New York Times

By **David E. Sanger** and **Catie Edmondson**

July 25, 2019



WASHINGTON — The Senate Intelligence Committee concluded Thursday that election systems in all 50 states were targeted by Russia in 2016, an effort more far-reaching than previously acknowledged and one largely undetected by the states and federal officials at the time.



Network Centric Warfare (NCW):

“[S]uccess in warfare is achieved not through numerical and firepower superiority of forces but through [1] information potential superiority [Information war] and [2] the employment of warfighting entities with a fundamentally new network structure.” -- A.V. Raskin & V.S. Pelyak, ‘On Network-Centric Warfare’, *Military Thought*, 14:2, p. 87 (2005) (emphasis added).

“Light shines through glass, sometimes in a surprising way....You haven’t seen the light that way before but it reflects a rainbow. That’s what the law does. The law shows you new beauty. The law shows you new dimensions. The more you think about it, the more you study it, the more dedicated you are to it. But it’s also made of glass, and glass can break. Just like when the rule of law is broken, it requires great effort to fix it and you’re not sure that it will be as beautiful the next time.”

Former U.S. Supreme Court Justice Anthony M. Kennedy (1988-2018)



Sources Cited

- Jalali, Wardak, Sloan, McJoynt, “Maskirovka Outline For POI,” *Xenophon* Group, (September 1990) <http://www.xenophon-mil.org/archivevoro2/maskout.htm>
- DOD Joint Publication 3-13, *Information Operations*, (2014)
- Ben Lambeth, RAND Paper Series No 6860, On Thresholds in Soviet Military Thought (1983)
- DOD Joint Concept for Operating in the Information Environment, (July 2018)
- Congressional Research Service, Defense Primer Information Operations, Paper Number 7-5208, (2018)
- *C-SPAN*, Justices Alito and Kennedy at Duke Law School, (April 11, 2019), <https://www.c-span.org/video/?459489-1>
- Renee DiResta, *et. al.*, ‘Tactics and Tropes of the Internet Research Agency,’ *New Knowledge*, (2018), <https://www.hsdll.org/c/tactics-and-tropes-of-the-internet-research-agency/>
- Roger Beaumont, *Maskirovka: Soviet Camouflage, Concealment & Deception*, 1982
- ‘The IRA, Social Media and Political Polarization in the United States 2012-2018,’ Oxford University Computational Propaganda Research Project, (2018), <https://comprop.oii.ox.ac.uk/wp-content/uploads/sites/93/2018/12/IRA-Report.pdf>
- Special Counsel Robert S. Mueller Report On the Investigation into the Interference in the 2016 Presidential Election, (2019)
- J. Malekos Smith, The Magpies and the Cuckoos: A Disinformation Fable, *Defense One*, <https://www.defenseone.com/ideas/2019/07/magpies-and-cuckoos-disinformation-fable/158366/>
- Maj. Gen .A.N. Limno (Ret) *et al.*, ‘Information Warfare and Camouflage, Concealment and Deception’ *Military Thought*, 12:2, (2003)
- Thomas Boghardt, Operation Infektion: Soviet Bloc Intelligence and AIDS Disinformation Campaign, Online CIA Public Library, *Studies in Intelligence*, 53:4 (2009)
- Adam B. Ellick and Adam Westbrook, Operation Infektion Documentary, *New York Times*, Col. V.N. Karankevich (Ret), ‘How to Learn How to Deceive the Enemy’, *Military Thought*, 15:4, (2006)
- https://www.realcleardefense.com/articles/2017/01/13/the_information_doppelgnger_in_psychological_warfare_110633.html
- Col. S.A. Komov, *et al.*, ‘About the Evolution of Modern American Information Operations Doctrine’, *Military Thought*, 17:3 (July 2008)
- A.V. Raskin and V.S. Pelyak, ‘On Network-Centric Warfare’, *Military Thought*, 14:2, p. 87 (2005)
- https://www.realcleardefense.com/articles/2019/03/11/is_it_time_to_abandon_the_term_information_operations_114252.html
- <https://www.washingtontimes.com/news/2019/jul/19/intelligence-community-creates-new-election-threat/>