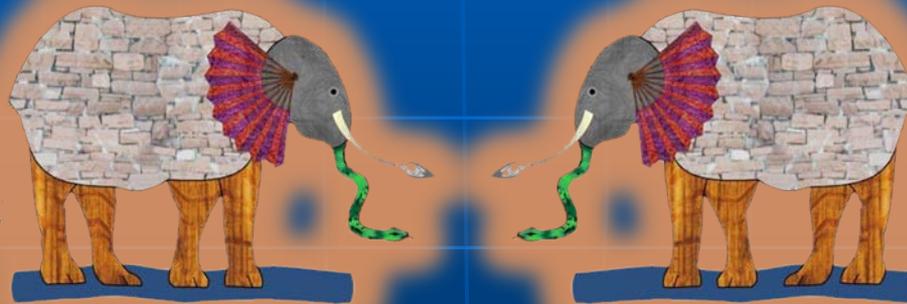


# INFORMATION OPERATIONS



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**MY Opinions**...not NDU's, or DOD's, or the USG!

# Information Power

- “Combination of information content and technology used as a strategic instrument to shape fundamental political, economic, military and cultural forces on a long-term basis to affect the global behavior of governments, supra-governmental organizations, and societies to support national security strategies & objectives”
  - Drs Dan Kuehl/Bob Neilson, Georgetown’s *NSSQ* 1999
  - President Ronald Reagan: NSDD 130 (1984), National Security Strategy (1987)
- “The relative ability to operate in and exploit the information environment — the aggregated and synergistic combination of **CONNECTIVITY, CONTENT, & COGNITION.**”
  - Dan Kuehl, “The Information Revolution & the Transformation of Warfare” (2007)

# Information Environment

- **Physical/Electronic Connectivity: Cyberspace/"eSpace"**
  - Infrastructures, wires, networks, etc: a means of delivery
    - Cyberspace
    - Includes human (non-technical) connectivity
- **Information Content:**
  - Words, images, databases, 11010111000s
  - Deeds/Actions are content (an inaction is a deed)
  - **Context**: identical content may be understood differently
- **Cognitive: "influence/perception"**
  - **Meaning and the Mind**: "most important"
    - Example: Serbian TV vs NATO cohesion 1999
  - Losing the battle here may negate winning kinetically
  - Al Q'aida using kinetic ops to create cognitive effects

# Cyber operations are...

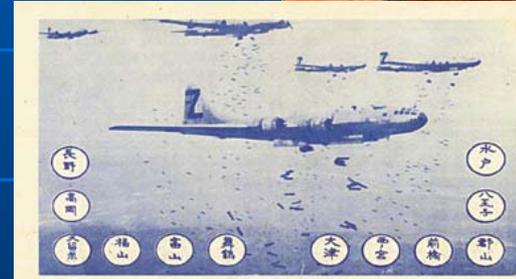
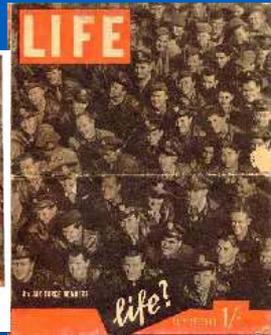
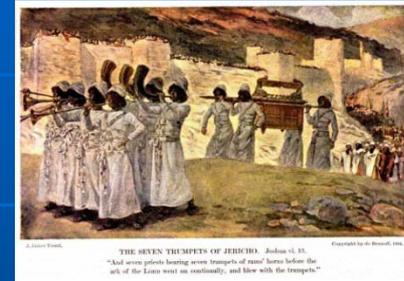
- “the employment of cyber capabilities where the primary purpose is to achieve objectives in or through cyberspace. Such operations include **Computer Network Operations** and activities to operate and defend the **Global Information Grid**” [our “base” in cyberspace]
  - CJCS Memo of 19 August 2009
- CNO has three components
  - Attack & Defense (military); Exploitation (intelligence)
- What of other uses of the Electromagnetic Spectrum?
  - Electronic Warfare? EMP? Directed Energy? RF Weaponry?
  - ELINT/SIGINT?
  - **Broadcasting? (in Strategic Communication/Public Diplomacy)**

# Information Operations (US) - Old

- **OLDER:** "Integrated use of **OPSEC, Military Deception (MiDec), PSYOP, Electronic Warfare (EW), and physical destruction**, mutually supported by intelligence, to deny information to, influence, degrade or destroy adversary C2 capabilities, while protecting friendly capabilities against such actions."
  - JCS Memo of Policy 30, 1993
- **OLD:** "Integrated employment of the core capabilities of **Electronic Warfare, Computer Network Operations, Psychological Operations, Military Deception, and Operations Security**, in concert with specified supporting and related capabilities, to influence, disrupt, corrupt or usurp adversarial human and automated decision making while protecting our own"
  - IO Roadmap of 2003; Joint IO Doctrine 3-13 of 2006

# Psychological Operations whoops...MISO

- Psyop: "convey selected information and indicators to **foreign** audiences to influence their emotions, motives, objective reasoning, and ultimately the behavior of **foreign** governments, organizations, groups and individuals....to induce or reinforce **foreign** attitudes and behavior..."
  - Jt Pub 3-53 (2003)
  - Does NOT say lies, deceptions, falsehoods
  - MORE than "leaflets, loudspeakers"; music?
  - Must exploit new technologies
    - Twitter, YouTube, "Now Media"
  - All levels, tactical-strategic, peace-war



# Information Operations (US) - New

- **NEW:** "The integrated employment, during military operations, of information-related capabilities in concert with other lines of operations to influence, corrupt, disrupt or usurp the decision-making of adversaries and potential adversaries while protecting our own."
  - SECDEF Memo of 25 January 2011
  - "Don't need to own it to integrate it" Who does the integrating? (Commanders)
  - To follow: new Joint Pub 3-13 IO Doctrine (2011?)
  - NO "Core Competencies/Stovepipes"
- Also NEW: MISO
  - Military Information Support [to] Operations
  - Same as the old Psyop? (IMHO, yes)
    - And how is this different from Propaganda, Public Affairs, Strategic Communication, etc?

# Combatant Commander's Role

- Commanders and Diplomats must coordinate and share
  - Neither one "owns" this space
- Cannot do this "afterwards"...MUST plan BEFORE
  - Every plan you have MUST have an influence/Strategic Communication element within it
- Must take advantage of civilian, allied, non-hostile, and NGO capabilities
  - This includes "The Media"
- Information Space and Cyberspace are inseparably linked
  - Jeff Jones, et al, "Strategic Communication and the Combatant Commander" *JFQ* 55

# Issues

- Psyop/MISO operates across the conflict and audience spectrums
- Bring it back? Did it ever leave? Where?
- Media: both an operational space and an actor/actors IN that space
- Cyber is a critical (but not the only) means of creating Content that the Connectivity delivers to achieve Cognitive—ie psychological—effects.

Because  
the world  
**HAS** changed!



"Twitter" circa 1914