Incidental Paper

Seminar on Command, Control, Communications and Intelligence

Guest Presentations, Spring 1985:
Samuel P. Huntington, Lincoln Faurer, Richard Stilwell,
Archibald Barrett, Richard DeLauer, Donald Latham,
Robert Herres, Robert Hilton

Program on Information
Resources Policy

Harvard University
Center for Information Policy Research
Cambridge, Massachusetts
An incidental paper of the Program on Information Resources Policy

Seminar on Command, Control, Communications, and Intelligence

Spring 1985

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I-86-1. February 1986

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The Program on Information Resources Policy is jointly sponsored by Harvard University and the Center for Information Policy Research.

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The Washington Post Co.
Acknowledgments

For their willingness to travel to Cambridge to share their experience with our students at the Kennedy School of Government we are deeply grateful to Samuel P. Huntington, Lincoln Faurer, Richard Stilwell, Archibald Barrett, Richard DeLauer, Donald Latham, Robert Herris, and Robert Hilton.

The collaboration of The MITRE Corporation made this publication possible. Robert Everett’s initial interest in the seminar and John Jacobs’ continuing participation from its inception to the present provided encouragement at critical times and constant intellectual stimulation. John Jacobs and Charles Zraket arranged for editorial and production support from MITRE’s Publications and Graphics department and Word Processing Center. Anne Louise Antonoff of the Program’s staff coordinated the entire project, with the invaluable guidance of last year’s project director, Anne Kaiser. Our thanks go to them for completing difficult tasks with the apparent effortlessness and the grace that mark truly professional performance.

We also wish to thank Michael Pocalyko, Richard Law, and Vincent Marler for their generous and patient help in untangling acronyms and elucidating references.

The responsibility for any sins of omission or commission nonetheless remains entirely ours.

John F. McLaughlin
Anthony G. Oettinger
Introduction

The papers in this volume are lightly edited transcripts of presentations and discussions ordered in the sequence in which they took place. The informality of oral exposition interrupted by questions or comments has been preserved. Only pauses and repetitions have been eliminated and tripping sentences have been smoothed. Substance has, as far as possible, been left unaltered. All guests made their presentations in open forum, forewarned that neither classified nor proprietary matters are appropriate in a university classroom.
# Table of Contents

Centralization of Authority in Defense Organizations  
Samuel P. Huntington ........................................... 1

The Role of Intelligence Within C³I  
Lincoln Faurer .................................................. 17

Structure and Mechanisms for Command and Control  
Richard G. Stilwell ........................................... 33

Politics and the Military—The Climate for Reform  
Archibald Barrett .............................................. 67

A Consultant's View  
Richard D. DeLauer ........................................... 87

A View from Inside OSD  
Donald Latham ................................................. 103

A CINC's View of Defense Organization  
Robert T. Herres .............................................. 125

Roles of the Joint Chiefs of Staff in Crisis Management  
Robert Hilton .................................................. 147
Glossary

ABM  Anti-Ballistic Missile
ADCOM  Aerospace Defense Command
ASAT  Anti-Satellite (weapons)
ASD  Assistant Secretary of Defense
ASAR  Advanced Synthetic Aperture Radar
AW/AA  Attack Warning/Attack Assessment
AWACS  Airborne Warning and Control System
BETA  Battlefield Exploitation and Target Acquisition. (The forerunner of LOCE.)
BMEWS  Ballistic Missile Early Warning System
BSTS  Boost Surveillance Tracking System
C²  Command and Control
C³  Command, Control, and Communications
C³I  Command, Control, Communications, and Intelligence
CENTCOM  U.S. Central Command
CCP  Consolidated Cryptologic Program
CNO  Chief of Naval Operations
CNN  Cable News Network
COMSEC  secure communications equipment
CSIS  Center for Strategic and International Studies
DCI  Director, Combat Intelligence
DIA  Defense Intelligence Agency
DOD  Department of Defense
DSCS  Defense Satellite Communications System
DSP  Defense Support Program
EUCOM  U.S. European Command
EOP  Executive Office of the President
EHF  Extra High Frequency
EMP  Electromagnetic Pulse
ENSCE  Enemy Situation Correlation System. (An Air Force prototype intelligence data fusion system.)
GPS  Global Positioning System
GWEN  Groundwave Emergency Network
HUMINT  Human-derived (military) Intelligence
IMINT  Imagery (military) Intelligence
INCSEA  Incidents at Sea, a 1972 agreement between the U.S. and the U.S.S.R. on the prevention of incidents on the high seas.
JCS  Joint Chiefs of Staff
JSOA  Joint Special Operations Agency
JSOC  Joint Special Operations Command
JTIDS  Joint Tactical Information Distribution System
LANTCOM  U.S. Atlantic Command
LANTFLT  U.S. Atlantic Fleet
MAC  Military Airlift Command
MILSTAR  Military Strategic, Tactical, and Relay (satellite communications system)
MSE  Mobile Subscriber Equipment
NCA  National Command Authorities
NDS  Nuclear Detection System. (Part of the Global Positioning System.)
NEACP  National Emergency Airborne Command Post
NETS  National Emergency Telephone System
NMCC  National Military Command Center
NMCS  National Military Command System
NMIC  National Military Intelligence Center
NORAD  North Atlantic Aerospace Defense command (U.S. and Canada)
NSA  National Security Agency
NSC  National Security Council
O&M  Operations and Maintenance
OJCS  Office of the Joint Chiefs of Staff
OPSEC  Operations Security
OSD  Office of the Secretary of Defense
<table>
<thead>
<tr>
<th>Abbreviation</th>
<th>Description</th>
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<tbody>
<tr>
<td>OTH-B</td>
<td>Over-the-Horizon Backscatter (radar)</td>
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<tr>
<td>PACOM</td>
<td>Pacific Command</td>
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<tr>
<td>R&amp;E</td>
<td>Research and Engineering</td>
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<tr>
<td>RECCE</td>
<td>Reconnaissance</td>
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<tr>
<td>REDCOM</td>
<td>U.S. Readiness Command</td>
</tr>
<tr>
<td>RDT&amp;E</td>
<td>Research, Development, Test, and Evaluation</td>
</tr>
<tr>
<td>ROC</td>
<td>Required Operational Capability</td>
</tr>
<tr>
<td>SAC</td>
<td>Strategic Air Command</td>
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<tr>
<td>SACEUR</td>
<td>Supreme Allied Commander, Europe</td>
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<tr>
<td>SACLANT</td>
<td>Supreme Allied Commander, Atlantic</td>
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<tr>
<td>SDI</td>
<td>Strategic Defense Initiative</td>
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<td>SDIO</td>
<td>Strategic Defense Initiative Organization</td>
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<tr>
<td>SECDEF</td>
<td>Secretary of Defense</td>
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<tr>
<td>SHF</td>
<td>Super High Frequency</td>
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<tr>
<td>SIGINT</td>
<td>Signals (military) Intelligence</td>
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<tr>
<td>SOUTHCOM</td>
<td>U.S. Southern Command</td>
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<tr>
<td>SPRAA</td>
<td>Strategic Plans and Resource Analysis Agency</td>
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<tr>
<td>SSBN</td>
<td>Nuclear Powered Ballistic Missile Submarine</td>
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<tr>
<td>TAC</td>
<td>Tactical Air Command</td>
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<tr>
<td>TACAN</td>
<td>Tactical Aid to Navigation</td>
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<tr>
<td>TCP</td>
<td>Tactical Cryptologic Program</td>
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<tr>
<td>TRI-TAC</td>
<td>Tri-Service Tactical Digital Communications System</td>
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<tr>
<td>USAFE</td>
<td>U.S. Air Forces, Europe</td>
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<tr>
<td>USNAVEUR</td>
<td>U.S. Naval Forces, Europe</td>
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<tr>
<td>USAREUR</td>
<td>U.S. Army, Europe</td>
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<tr>
<td>USD R&amp;E</td>
<td>Under Secretary of Defense, Research and Engineering</td>
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<tr>
<td>WWMCCS</td>
<td>Worldwide Military Command and Control System</td>
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<tr>
<td>UHF</td>
<td>Ultra High Frequency</td>
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