AIRPOWER JOURNAL INDEX 1987–1991

Lt Col Michael A. Kirtland

Approved for public release
Distribution Unlimited
Airpower Journal Index
1987–1991

LT COL MICHAEL A. KIRTLAND

93–08836

Air University Press
Maxwell Air Force Base, Alabama 36112-5532

February 1993
DISCLAIMER

This publication was produced in the Department of Defense school environment in the interest of academic freedom and the advancement of national defense-related concepts. The views expressed in this publication are those of the author and do not reflect the official policy or position of the Department of Defense or the United States government.

This publication has been reviewed by security and policy review authorities and is cleared for public release.
## Contents

<table>
<thead>
<tr>
<th>Section</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Disclaimer</td>
<td>ii</td>
</tr>
<tr>
<td>Foreword</td>
<td>v</td>
</tr>
<tr>
<td>About the Editor</td>
<td>vi</td>
</tr>
<tr>
<td>Preface</td>
<td>ix</td>
</tr>
<tr>
<td>Author Index</td>
<td>1</td>
</tr>
<tr>
<td>Articles and Editorials</td>
<td>3</td>
</tr>
<tr>
<td>Title Index</td>
<td>15</td>
</tr>
<tr>
<td>Articles and Editorials</td>
<td>17</td>
</tr>
<tr>
<td>Subject Index</td>
<td>27</td>
</tr>
<tr>
<td>Subject Categories</td>
<td>29</td>
</tr>
<tr>
<td>Articles and Editorials</td>
<td>31</td>
</tr>
</tbody>
</table>
Foreword

In 1990 Air University Press published the *Air University Review Index* so that the 40 years of the *Air University Review* could remain a vital academic tool in the process of professional military education. The successor to the *Review*, the *Airpower Journal*, has now been in existence for five years. During that time, it has grown from a fledgling publication, dedicated to the advancement of air power and the understanding of air power's application to the operational level of war, into the premier journal on air power doctrine. Its pages regularly contain the ideas and concepts that air power is built upon and that air power thinkers advocate for the future of the profession.

This new index is a culmination of the first five years of effort to use the writings of Air Force people to increase the service's base of professional knowledge and to encourage broad discussion of air power subjects. The *Airpower Journal* has truly become a professional journal "by and for the Air Force."

RICHARD B. CLARK, JR.
Lieutenant Colonel, USAF
Editor, *Airpower Journal*
About the Editor

Lt Col Michael A. Kirtland

Lt Col Michael A. Kirtland is a military doctrine analyst assigned to the Airpower Research Institute, Air University Center for Aerospace Doctrine, Research, and Education, Maxwell Air Force Base, Alabama. He served as the first associate editor of the *Airpower Journal*, from its inception in 1987 through 1990. Colonel Kirtland is the editor of the *Air University Review Index*, which covers the entire 40-year existence of the Review. He has published articles and editorials in the English and foreign language editions of the *Airpower Journal* and in other military and academic publications. He previously served as a military studies instructor at the United States Air Force Academy. His operational assignments include tours as a Titan II missile launch officer and as a member of the initial cadre for the ground launched cruise missile (GLCM), serving in the training squadron and as chief of training for the GLCM wing at Florennes, Belgium. Colonel Kirtland holds a BA degree in history from Coe College and an MA degree in public administration from the University of Colorado. He is a graduate of Squadron Officer School, Air Command and Staff College, and Air War College.
Preface

This index includes all articles and editorials from the first five volumes of the Airpower Journal. It does not include book reviews. All entries are indexed by author, title, and subject. The subject index divides all entries into 102 categories. Within a subject category the articles are listed chronologically, allowing the reader to locate articles from specific time periods. Articles and editorials may be cross-referenced in up to five different categories. The typical entry includes the author's name, title of the article/editorial, volume number, issue number, date of issue, and inclusive page numbers. In each case, the editor has tried to be sufficiently broad-minded in making category assignments so that articles only marginally appropriate for a category are included rather than excluded. Category titles are based on those used in the Air University Review Index. Three category names have been changed as follows: "Air Base Defense" became "Air Base Survivability," "Tactical Air Control" became "Tactical Air Control System," and "Remotely Piloted Vehicles" became "Unmanned Aerial Vehicles." New categories are "Defense Reform," "Dissent," "Fighter Operations," "Professional Readings," "Soviet Doctrine," "Special Operations," and "Strategic Defense Initiative." Selection for inclusion within a category was based on the judgment of the editor.

Michael A. Kirtland

Michael A. KIRTLAND
Lieutenant Colonel, USAF
Airpower Research Institute
AUTHOR INDEX
Articles and Editorials


Bell, Brig Gen Raymond E., Jr. “To Protect an Air Base.” 3, no. 3 (Fall 1989): 4-18.


__________. “Fighting from the Air Base” [1, no. 1] (Summer 1987): 32-41.

__________. “Operational Art and Aircraft Runway Requirements,” 2, no. 3 (Fall 1988): 52-69.


____________. "Snorkeling and Historical Surges" (editorial). 5, no. 3 (Fall 1991): 2-3.


DeLoughry, Lt Col James P. “The United States and the Lavi.” 4, no. 3 (Fall 1990): 34–44.


Drew, Col Dennis M. “Joint Operations: The World Looks Different from 10,000 Feet.” 2, no. 3 (Fall 1988): 4–16.


———. "Building a Broad Professional Base" (editorial), 1, no. 2 (Fall 1987): 2.


———. "Position Update" (editorial), 1, no. 3 (Winter 1987-88): 2.

———. "Scoping the Game" (editorial), 4, no. 2 (Summer 1990): 2.


Jennings, Lt Col Frank W. "Doctrinal Conflict over the Word Aerospace," 4, no. 3 (Fall 1990): 46–58.


Kline, Col Timothy E. "Ira Eaker and the Ear of Dionysius." 1, no. 2 (Fall 1987): 70-73.


McPeak, Gen Merrill A. “For the Composite Wing.” 4, no. 3 (Fall 1990): 4–12.


Morrow, Lt Col Donald G. “Strategic Crossroads: The Road Not Taken?” 2, no. 3 (Fall 1988): 70–83.


Temple, Lt Col L. Parker, III. “Of Autogyros and Dinosaurs.” 2, no. 3 (Fall 1988): 38–50.


Ullman, Lt Col Bruce L. "Officer Professional Development for Lieutenants." 4, no. 3 (Fall 1990): 14-32.


Welch, Gen Larry D. "A Message from the Chief" (editorial) [1, no. 1] (Summer 1987): 2.


TITLE INDEX
Articles and Editorials


"Building a Broad Professional Base" (editorial), Col Keith W. Geiger, 1, no. 2 (Fall 1987): 2.


"Cracks in the Black Dike: Secrecy, the Media, and the F-117A," Jim Cunningham, 5, no. 3 (Fall 1991): 16-34.


“Doctrinal Conflict over the Word Aerospace,” Lt Col Frank W. Jennings, 4, no. 3 (Fall 1990): 46–58.


“End of an Era” (editorial), Maj Michael A. Kirtland, 1, no. 2 (Fall 1987): 40.


“Facing the Challenge Ahead” (editorial), Maj Michael A. Kirtland, 4, no. 3 (Fall 1990): 2.


“For the Composite Wing,” Gen Merrill A. McPeak, 4, no. 3 (Fall 1990): 4–12.


“Ira Eaker and the Ear of Dionysius,” Col Timothy E. Kline, 1, no. 2 (Fall 1987): 70–73.


“Joint Operations: The World Looks Different from 10,000 Feet,” Col Dennis M. Drew, 2, no. 3 (Fall 1988): 4–16.


“Mayday! Mayday! Mayday!” (editorial), Col Thomas A. Fabyanic and Lt Col Donald R. Baucom, 2, no. 3 (Fall 1988): 91-93.

“Message from the Chief of Staff, A” (editorial). Gen Larry D. Welch [1, no. 1] (Summer 1987): 2.


“Officer Professional Development for Lieutenants.” Lt Col Bruce L. Ullman. 4, no. 3 (Fall 1990): 14-32.


“Rare Feeling of Satisfaction, A” (editorial), Maj Michael A. Kirtland, 3, no. 1 (Spring 1989): 34.


“Requirements Planning,” Lt Gen Thomas R. Ferguson, Jr., and Terrence J. Hertz, 4, no. 2 (Summer 1990): 4–18.


“Scoping the Game” (editorial), Col Keith W. Geiger, 4, no. 2 (Summer 1990): 2.


“Snorkeling and Historical Surges” (editorial), Lt Col Richard B. Clark, 5, no. 3 (Fall 1991): 2–3.


“Strategic Crossroads: The Road Not Taken?” Lt Col Donald G. Morrow, 2, no. 3 (Fall 1988): 70–83.


“Tactical Airlift,” Brig Gen Billy M. Knowles, 1, no. 2 (Fall 1987): 41–47.


“... Three to Get Ready ...” (editorial), Lt Col Richard B. Clark, 5, no. 1 (Spring 1991): 2.


“To Protect an Air Base,” Brig Gen Raymond E. Bell, Jr., 3, no. 3 (Fall 1989): 4–18.


"United States and the Lavi, The," Lt Col James P. DeLoughry, 4, no. 3 (Fall 1990): 34–44.


SUBJECT INDEX
SUBJECT CATEGORIES

African Affairs  Flying Training  Foreign Military Forces
Air Base Survivability
Aircraft
Air Defense
Air Force Organization
Airlift
Air Power
Air Power History
Airships
Air Superiority
Arms Control
Aviation Technology
Ballistic Missile Defense
Basing
Budget/Planning Process
Clausewitz
Close Air Support
Cold War
Command and Control
Computer Technology
Counterair Operations
Counterinsurgency
Deception
Defense Reform
Deterrence
Dissent
 Doctrine
Doubt
Drones
Editorial
Electronic Warfare
Fighter Operations
Fighter Techniques
"Fire/Counterfire!"

Leadership/Management
Logistics
Low-Intensity Conflict
Management/Organization
Middle East Affairs
Military Education
Military Technology
Military Thought
Military Training
Missile Operations
Morale

National Security Policy
National Strategy
Naval Operations
North Atlantic Treaty Organization (NATO)
Nuclear Strategy
Nuclear War

Pacific Region Affairs
Persian Gulf Conflict
Articles and Editorials

AFRICAN AFFAIRS


AIR BASE SURVIVABILITY


"To Protect an Air Base," Brig Gen Raymond E. Bell, Jr., 3, no. 3 (Fall 1989): 4–18.


AIRCRAFT


AIR DEFENSE


AIR FORCE ORGANIZATION


“For the Composite Wing,” Gen Merrill A. McPeak, 4, no. 3 (Fall 1990): 4–12.


AIRLIFT

“Tactical Airlift,” Brig Gen Billy M. Knowles, 1, no. 2 (Fall 1987): 41-47.


AIR POWER


“For the Composite Wing,” Gen Merrill A. McPeak, 4, no. 3 (Fall 1990): 4-12.


AIR POWER HISTORY


“Doctrinal Conflict over the Word Aerospace,” Lt Col Frank W. Jennings, 4, no. 3 (Fall 1990): 46–58.


AIRSHIPS


AIR SUPERIORITY


ARMS CONTROL

“A Rare Feeling of Satisfaction” (editorial), Maj Michael A. Kirtland, 3, no. 1 (Spring 1989): 34.


AVIATION TECHNOLOGY

(See also Computer Technology, Military Technology, Space Technology, Technology)


“The United States and the Lavi,” Lt Col James P. DeLoughry, 4, no. 3 (Fall 1990): 34–44.


“Cracks in the Black Dike: Secrecy, the Media, and the F-117A,” Jim Cunningham, 5, no. 3 (Fall 1991): 16–34.

BALLISTIC MISSILE DEFENSE


BASING

“Operational Art and Aircraft Runway Requirements.” Lt Col Price T. Bingham, 2, no. 3 (Fall 1988): 52–69.


BUDGET/PLANNING PROCESS


“Requirements Planning,” Lt Gen Thomas R. Ferguson, Jr., and Terrence J. Hertz, 4, no. 2 (Summer 1990): 4–18.


CLAUSEWITZ


CLOSE AIR SUPPORT


COLD WAR

“Now That We’ve Won World War III” (editorial), Maj Michael A. Kirtland, 4, no. 1 (Spring 1990): 2.

COMMAND AND CONTROL

“For the Composite Wing,” Gen Merrill A. McPeak, 4, no. 3 (Fall 1990): 4–12.

COMPUTER TECHNOLOGY

(See also Aviation Technology, Military Technology, Space Technology, Technology)


COUNTERAIR OPERATIONS


COUNTERINSURGENCY


DECEPTION


DEFENSE REFORM


“Snorkeling and Historical Surges” (editorial), Lt Col Richard B. Clark. 5, no. 3 (Fall 1991): 2–3.


DETERRENCE

“Strategic Crossroads: The Road Not Taken?” Lt Col Donald G. Morrow. 2, no. 3 (Fall 1988): 70–83.


DISSENT


DOCTRINE


“Doctrinal Conflict over the Word Aerospace,” Lt Col Frank W. Jennings, 4, no. 3 (Fall 1990): 46–58.

“For the Composite Wing,” Gen Merrill A. McPeak, 4, no. 3 (Fall 1990): 4–12.


DOUHET


DRONES

(See Unmanned Aerial Vehicles)

EDITORIAL


“A Message from the Chief of Staff,” Gen Larry D. Welch [1, no. 1] (Summer 1987): 2.


“Mayday! Mayday! Mayday!” Col Thomas A. Fabyanic and Lt Col Donald R. Baucom, 2, no. 3 (Fall 1988): 2, 91–93.


**ELECTRONIC WARFARE**


**FIGHTER OPERATIONS**


**FIGHTER TECHNIQUES**


“FIRE/COUNTERFIRE!”


FLYING TRAINING


FOREIGN MILITARY FORCES


GEOPOLITICS

“Snorkeling and Historical Surges” (editorial), Lt Col Richard B. Clark, 5, no. 3 (Fall 1991): 2-3.

HELICOPTER OPERATIONS


INTELLIGENCE


“Cracks in the Black Dike: Secrecy, the Media, and the F-117A,” Jim Cunningham, 5, no. 3 (Fall 1991): 16-34.

INTERDICATION


INTERNATIONAL RELATIONS

"Nordic NATO in Transition: Toward Turbulence in the 1990s?" Lt Col Lawrence R. Nilssen, 2, no. 2 (Summer 1988): 68–79.


"The United States and the Lavi," Lt Col James P. DeLoughry, 4, no. 3 (Fall 1990): 34–44.


INTERSERVICE CONFLICT


"Joint Operations: The World Looks Different from 10,000 Feet," Col Dennis M. Drew, 2, no. 3 (Fall 1988): 4–16.


"Doctrinal Conflict over the Word Aerospace," Lt Col Frank W. Jennings, 4, no. 3 (Fall 1990): 46–58.

"Defending the Faith" (editorial), Maj Michael A. Kirtland, 4, no. 4 (Winter 1990): 52.


JOINT OPERATIONS

“Joint Operations: The World Looks Different from 10,000 Feet,” Col Dennis M. Drew, 2, no. 3 (Fall 1988): 4–16.

“To Protect an Air Base,” Brig Gen Raymond E. Bell, Jr., 3, no. 3 (Fall 1989): 4–18.


KOREAN WAR


LATIN AMERICAN AFFAIRS


LEADERSHIP/MANAGEMENT


LOGISTICS


“Requirements Planning,” Lt Gen Thomas R. Ferguson, Jr., and Terrence J. Hertz, 4, no. 2 (Summer 1990): 4–18.


LOW-INTENSITY CONFLICT


MANAGEMENT/ORGANIZATION


“Officer Professional Development for Lieutenants.” Lt Col Bruce L. Ullman. 4, no. 3 (Fall 1990): 14–32.


MIDDLE EAST AFFAIRS


MILITARY EDUCATION


“Ira Eaker and the Ear of Dionysius.” Col Timothy E. Kline. 1, no. 2 (Fall 1987): 70–73.


49


“Mayday! Mayday! Mayday!” (editorial), Col Thomas A. Fabyanic and Lt Col Donald R. Baucom, 2, no. 3 (Fall 1988): 91–93.


“Officer Professional Development for Lieutenants,” Lt Col Bruce L. Ullman, 4, no. 3 (Fall 1990): 14–32.


MILITARY TECHNOLOGY
(See also Aviation Technology, Computer Technology, Space Technology, Technology)


MILITARY THOUGHT


"Joint Operations: The World Looks Different from 10,000 Feet," Col Dennis M. Drew, 2, no. 3 (Fall 1988): 4–16.

"Of Autogyros and Dinosaurs," Lt Col L. Parker Temple III, 2, no. 3 (Fall 1988): 38–50.


"Now That We've Won World War III" (editorial), Maj Michael A. Kirtland, 4 no. 1 (Spring 1990): 2.


"Snorkeling and Historical Surges" (editorial), Lt Col Richard B. Clark, 5, no. 3 (Fall 1991): 2–3.
MILITARY TRAINING


MISSILE OPERATIONS

“End of an Era” (editorial), Maj Michael A. Kirtland, 1, no. 2 (Fall 1987): 40.

“Strategic Crossroads: The Road Not Taken?” Lt Col Donald G. Morrow, 2, no. 3 (Fall 1988): 70–83.

“A Rare Feeling of Satisfaction” (editorial), Maj Michael A. Kirtland, 3, no. 1 (Spring 1989): 34.


MORALE


NATIONAL SECURITY POLICY


“Now That We’ve Won World War III” (editorial), Maj Michael A. Kirtland, 4, no. 1 (Spring 1990): 2.

“The United States and the Lavi,” Lt Col James P. DeLoughry, 4, no. 3 (Fall 1990): 34–44.


“Cracks in the Black Dike: Secrecy, the Media, and the F-117A,” Jim Cunningham, 5, no. 3 (Fall 1991): 16–34.


NATIONAL STRATEGY


NAVAL OPERATIONS


NORTH ATLANTIC TREATY ORGANIZATION (NATO)


NUCLEAR STRATEGY


"Strategic Crossroads: The Road Not Taken?" Lt Col Donald G. Morrow, 2, no. 3 (Fall 1988): 70–83.


NUCLEAR WAR


PACIFIC REGION AFFAIRS


PERSIAN GULF CONFLICT


**PERSONNEL ISSUES**


"Scoping the Game" (editorial), Col Keith W. Geiger, 4, no. 2 (Summer 1990): 2.

"Officer Professional Development for Lieutenants," Lt Col Bruce L. Ullman, 4, no. 3 (Fall 1990): 14–32.


**PLANNING**


POLITICAL-MILITARY RELATIONS


"Cracks in the Black Dike: Secrecy, the Media, and the F-117A," Jim Cunningham, 5, no. 3 (Fall 1991): 16-34.


PREPAREDNESS

"Defending the Faith" (editorial), Maj Michael A. Kirtland, 4, no. 4 (Winter 1990): 52.


PRINCIPLES OF WAR

PRISONER OF WAR (POW) ISSUES


PROCUREMENT

"Strategic Crossroads: The Road Not Taken?" Lt Col Donald G. Morrow, 2, no. 3 (Fall 1988): 70–83.

"Requirements Planning," Lt Gen Thomas R. Ferguson, Jr., and Terrence J. Hertz, 4, no. 2 (Summer 1990): 4–18.


PROFESSIONALISM


"Officer Professional Development for Lieutenants," Lt Col Bruce L. Ullman, 4, no. 3 (Fall 1990): 14–32.


57
"... Three to Get Ready ... " (editorial), Lt Col Richard B. Clark, 5, no. 1 (Spring 1991): 2.


PROFESSIONAL READINGS


PUBLIC AFFAIRS

"Doctrinal Conflict over the Word Aerospace," Lt Col Frank W. Jennings, 4, no. 3 (Fall 1990): 46–58.


RECRUITING/RETENTION

"We Never Dreamed ... " (editorial), Col Keith W. Geiger, 4, no. 4 (Winter 1990): 2.

REMTELY PILOTED VEHICLES

(See Unmanned Aerial Vehicles)

RESCUE AND RECOVERY


RESEARCH AND DEVELOPMENT

"Doctrine, Technology, and Air Warfare: A Late Twentieth-Century Perspective," Dr Richard P. Hallion, 1, no. 2 (Fall 1987): 16–27.

"The United States and the Lavi," Lt Col James P. DeLoughry, 4, no. 3 (Fall 1990): 34-44.

RESERVE FORCES

"Facing the Challenge Ahead" (editorial), Maj Michael A. Kirtland, 4, no. 3 (Fall 1990): 2.

ROYAL AIR FORCE


SECURITY ASSISTANCE

"The United States and the Lavi," Lt Col James P. DeLoughry, 4, no. 3 (Fall 1990): 34-44.

SOVIET AIR POWER


SOVIET DOCTRINE


SOVIET MILITARY


SPACE OPERATIONS


SPACE TECHNOLOGY

(See also Aviation Technology, Computer Technology, Military Technology, Technology)


SPECIAL OPERATIONS


STRATEGIC BOMBING


STRATEGIC DEFENSE INITIATIVE


STRATEGIC OPERATIONS


STRATEGY


TACTICAL AIR CONTROL SYSTEM


TACTICAL AIR POWER


TECHNOLOGY

(See also Aviation Technology, Computer Technology, Military Technology, Space Technology)


"Doctrine, Technology, and Air Warfare: A Late Twentieth-Century Perspective," Dr Richard P. Hallion, 1, no. 2 (Fall 1987): 16-27.


THEATER WARFARE


"To Protect an Air Base," Brig Gen Raymond E. Bell, Jr., 3, no. 3 (Fall 1989): 4-18.

UNMANNED AERIAL VEHICLES


VIETNAM WAR


WAR GAMING


WOMEN IN THE MILITARY


WORLD WAR I

WORLD WAR II


WRITING FOR PUBLICATION


"Mayday! Mayday! Mayday!" (editorial), Col Thomas A. Fabyanic and Lt Col Donald R. Baucom, 2, no. 3 (Fall 1988): 91-93.