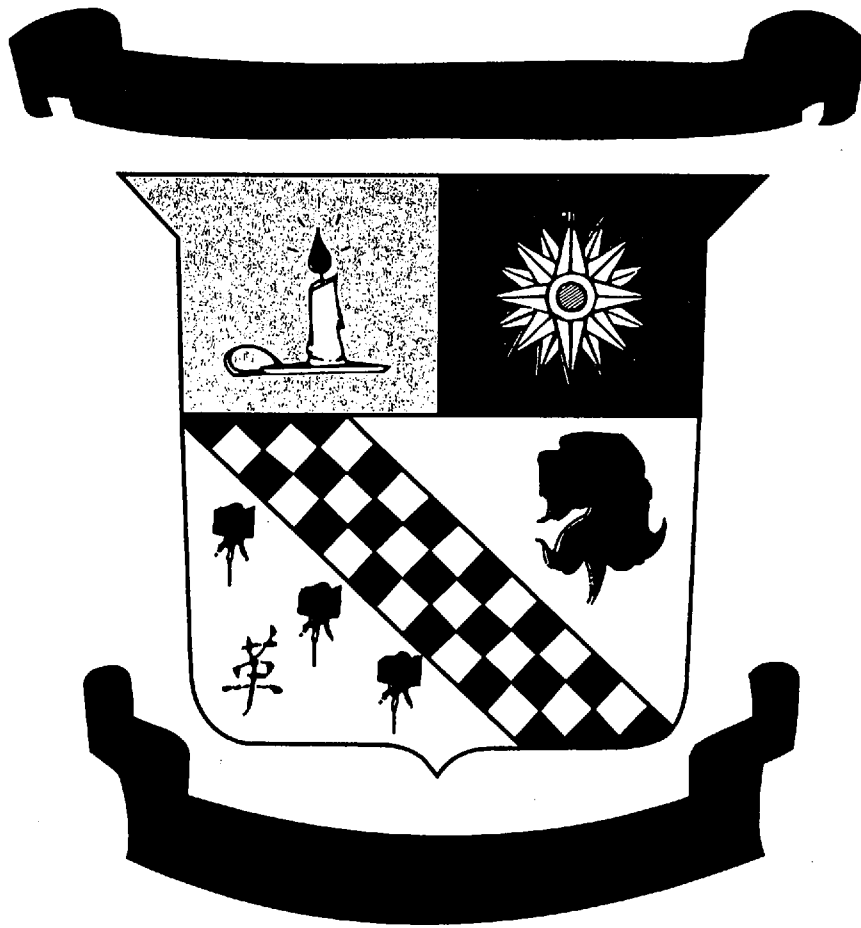


**FIRST INTERNATIONAL SYMPOSIUM:  
"NATIONAL SECURITY & NATIONAL COMPETITIVENESS:  
OPEN SOURCE SOLUTIONS"  
Proceedings, Volume I**



**McLean Hilton at Tyson's Corner, Virginia**

**1-3 December 1992**

### The Coat of Arms

The over-all theme of the shield reflects a commitment to the establishment of "ground truth" in support of the international community.

In the upper left quadrant is the candle and saucer of knowledge, on a gold field. The upper right quadrant is the compass rose on a blue field. The gold field represents the utility of open sources as a vehicle for "shedding light" on national security and national competitiveness issues in much broader terms than traditionally understood. In particular, open sources can "shed light" on non-traditional topics for which existing national intelligence capabilities are unsuited. The blue field emphasizes the importance of the maritime heritage in navigating uncharted waters, and of the environment.

The lower half, divided from upper left to lower right by a "checkerboard" pattern representative of The Great Game, contains three roses with thorns and the Chinese symbol for revolution ("fire in the lake") on the left, and the red lion on the right. The roses and their thorns represent the opportunities as well as the dangers associated with intelligence support to policy initiatives in each of the three "worlds" - the First World and its allies, the Second World including Russia and the Balkans, and the Third World, with its very broad range of nations and problems. The character for revolution symbolizes not only the revolution in relationships between elements of the three worlds, but also the revolution in the processes and priorities of strategic as well as tactical intelligence, and the forthcoming revolution in the relationship between the intelligence and the information communities, and between the producers and consumers of intelligence. The red lion symbolizes the role of power projection as the *raison d'être* for intelligence--actionable intelligence.

The motto, "E VERITATE POTENS" ("From Truth, Power" or literally, "one is made powerful through truth") reflects the belief that power applied with knowledge, and tools of power developed in the context of specific threats, will be more successful and less costly to the Nation than power applied blindly, or capabilities designed and funded without reference to the actual threat or circumstances. As we all strive to redefine national security and improve national competitiveness, open sources will play an extraordinarily important role in nurturing both a sense of security and the reality of prosperity for the community of nations, tribes, enterprises, and citizens.

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### Appreciation

*I owe an enormous debt to my professional colleagues. In addition to acknowledging the critical role played by each speaker in providing us with their unique insights, I wish to note my particular indebtedness to Paul Wallner, the Open Source Coordinator; to his Deputy, Robert Korte; to John Berbrich, functional manager for defense scientific & technical intelligence; to Pat Duecy, functional manager for defense general military intelligence; and to my fellow members of the Open Source Council. My efforts would have come to naught if these individuals had not seen fit to wholeheartedly support this symposium. It is with great anticipation that I contemplate our forthcoming effort to construct fiscal year 1994 and out-year programs under Paul Wallner's direction, and to supporting my colleagues in achieving our common objective of bringing the intelligence and information communities closer together.*

*I also wish to express my thanks to the Board of the National Military Intelligence Association (NMIA), and particularly LtGen Linc Faurer, USAF (Ret), LtGen Jim Williams, USA (Ret), and Roy Jonkers; to NMIA's Potomac Chapter, and particularly Art Andritis; to Bruce McConnell and Arnie Donahue at the Office of Management and Budget, and to Leon Fuerth, Bob Gellman, Mike Nelson, and Christine Wegman on the Hill; to the leadership of Jane's Information Group, and especially Robert Hutchinson and Robert Hall; to LtGen Norm Wood, USAF (Ret), former Director of the Intelligence Community Staff and now Senior Vice President for National Security Applications at BDM International; and to MajGen John Morrison, USAF (Ret), Executive Director of the Security Affairs Support Association. Without their assistance, this symposium would not have met my expectations.*

*Finally, and with deep gratitude, I thank my wife Kathy for being my partner and accepting the financial and other sacrifices needed to see this thing through; and I thank my immediate Marine Corps C<sup>4</sup>I leaders for their sanction of my personal efforts to energize the open source dialogue.*

**NATIONAL SECURITY & NATIONAL COMPETITIVENESS:  
OPEN SOURCE SOLUTIONS**

Schedule (#38)--All Speakers Confirmed

Tuesday, 1 December 1992

0730-0830	Coffee Service, Registration & Displays
0830-0900	Introduction of Honored Guests
0900-0930	Overview Session Speaker: Mr. Robert D. Steele, Program Director "Consumer Needs, Data Changes, Technology Changes, Organizational Changes: Future Visions & Issues"
0930-1000	Ms. Marjorie M. K. Hlava, President of Access Innovations "Key Organizations and Personalities in the International Information Business"
1000-1030	LtGen James Williams, USA(Ret), former D/DIA "Utilization of Open Source Information to Create Intelligence in a Commercial Environment"
1030-1200	Displays/Interest Group Meetings
1200-1245	Lunch Served in Place
1245-1330	Dr. George (Jay) Keyworth, "Changing Definitions: Technology, Intelligence, Security, and National Competitiveness"
1330-1400	Break
1400-1430	Admiral William Studeman, Deputy Director of Central Intelligence. "Teaching the Giant to Dance: Contradictions and Opportunities in Open Source Exploitation within the Intelligence Community"
1430-1500	Mr. Dennis Clift, Chief of Staff, Defense Intelligence Agency, "Military Open Source Requirements, Capabilities, and Contracting Directions"
1500-1630	Displays/Interest Group Meetings
1630-1700	Mr. Paul Strassmann, Director of Defense Information, "Forcing Innovation, Cutting Costs, and Increasing Defense Productivity: Open Source Solutions"
1700-1900	Reception in Honor of Speakers & Guests Host: LtGen C. Norman Wood, USAF (Ret) Senior Vice President, BDM International

Wednesday, 2 December 1992

0730-0830	Coffee Service/Displays/Interest Groups
0830-0900	Mr. Winn Schwartz "Computer Warfare, Computer Terrorism"
0900-0930	Dr. James Holden-Rhodes (Los Alamos) "Devining Secrets: Open Source Intelligence in the War on Drugs"
0930-1000	Mr. Herbert Meyer, Chairman of Real World Intelligence, Inc., author of <u>Real World Intelligence</u> , and former Vice-Chairman, National Intelligence Council. "Intelligence at the Cutting Edge: How Multinationals Have Jumped Ahead with Open Source Systems"
1000-1030	Mr. Howard Rheingold "Tools for Thinking & Virtual Reality: How Our Information Eco-System Is Changing"
1030-1200	Displays/Interest Group Meetings
1200-1245	Lunch Served in Place
1245-1330	Mr. Brian Kahin, Harvard University "New Legal Paradigms for Multi-Media Information in the Age of Cyberspace"
1330-1400	Break/Displays Throughout Afternoon
1400-1430	Mr. Kurt Molholm (D/DTIC, Chairman CENDI) "The CENDI Program: How Some Federal Managers Have Organized to Improve S&T Information Use"
1430-1450	Ms. Gladys Cotter National Aeronautics & Space Administration "NASA Requirements & Capabilities"
1450-1510	Dr. Donald Johnson, Director National Technical Information Service "NTIS Requirements & Capabilities"
1510-1530	Dr. Louis Mortimer, Chief Federal Research Division, Library of Congress "FRD Requirements & Capabilities"
1530-1600	Mr. Niles Riddle, Deputy Director Foreign Broadcast Information Service "FBIS Requirements & Capabilities"
1600-1700	Requirements Issues Panel (with Mr. Tom Pedtke, Foreign Aerospace Science & Technology Center)
1700-1900	Cash Bars in Display Areas/Interest Group Meetings

Thursday, 3 December 1992

0730-0830	Coffee Service/Displays/Interest Groups
0830-0900	Mr. William Ruh, The MITRE Corporation "Multi-Media Open Source Exploitation: Report on an Internal Research & Development Project"
0900-0930	Mr. Robert Hutchinson, Jane's Information Group "RUMOR OF WAR: An Information Vendor's View of the Role of Open Source Data in an Unstable World"
0930-1030	Break/Displays
1030-1100	Mr. Kenneth Allen, Senior Vice President Information Industry Association "Data Pathologies, Standards, and Other Obstacles of Common Concern to Government and Private Sector"
1100-1130	Dr. Robert Kahn (ARPANET, NREN, "knowbots") "Outline of a Global Knowledge Architecture: Visions and Possibilities for the Future"
1130-1200	Break/Displays
1200-1245	Lunch Served in Place
1245-1330	Mr. John Gage, Sun Corporation "Information, Global Realalignments, and Our National Infrastructure"
1330-1400	Break/Displays Throughout Afternoon Until 1500
1400-1420	Mr. James Anderson (Computer Security Expert) "Information Validation & Auditing"
1420-1440	Ms. Erika Nobel, ASET Consultants, Inc. "From A to Z: What We've Done with Open Sources"
1440-1500	Dr. Stephen Andriole, X-DARPA, Drexel "Multi-Media Analysis Methodologies"
1500-1520	Mr. John Perry Barlow (Electronic Frontier Foundation) "EFF and the National Public Network"
1520-1600	Technical Issues Panel (including Mr. Rheingold)
1600-1700	Congressional & Executive Panel (Robert Fitch, Mike Nelson, Bob Gellman, Jennifer Sims, Arnie Donahue, Bruce McConnell) Theme: National Funding Directions for OSCINT
1700-1900	Informal Continuation of Panel Session/Cash Bar

Each individual presentation over the three days is going to be video-taped. These tapes will be available for screening at corporate training sessions or professional association get-togethers. Advance notice of interest appreciated.

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