

~~CONFIDENTIAL~~

Cumulative Index

Journal of Defense Research, 1969-1978

This index covers the content of the *Journal of Defense Research* since the latter was instituted as a reorganization of the old *Journal of Missile Defense Research*, which had been published in the period from 1964 through 1968. It covers issues as listed in Tables 1 through 4, containing lists that are arranged alphabetically, first, according to the authors' surnames and, second, according to the titles of the articles that have been published.

It should be noted that many of the regularly scheduled issues that were published over the years are dedicated to specific broad areas of defense research, with the various articles in the issue covering particular aspects of the area involved. These broad areas to which the issues are dedicated are listed as footnotes to Tables 1 through 3.

The dedicated issues turned out to be helpful enough and, consequently, popular enough among the members of our distribution list that the Journal's Advisory Council members called for the separate publication of dedicated issues on a non-regularly scheduled basis, and this program was started in 1976. The titles, publication dates, and classification levels of the dedicated issues published thus far in this revised program are listed in Table 4.

The papers in this index are listed, as mentioned above, by author and by title. In this compilation, the author portion of the list shows the title of the article only after the first-named author of articles having multiple authorship. The coauthors' names are shown in their alphabetical order and are keyed by reference to the name of the principal (that is, first-named) author. The numbers of the volumes in which the papers appear are italicized, while the page number of a volume on which the article commences is shown in roman type at the far right. Within the indexes, the titles or subject matter of dedicated issues are shown in parentheses in boldface type.

Copies of the various issues of the Journal are available in the usual forms of archival documents from the Defense Documentation Center, Cameron Station, Alexandria, Va. 22314. Requests for copies of the Journal should be accompanied by a mention of the pertinent AD number in those cases where the numbers are available in the accompanying tables.

PAGES 351-376 DO NOT CONTAIN RD/FRD
SIGNED ROBERT SPENCE Roberts
CHIEF, RDD WHS

~~CONFIDENTIAL~~

DECLASSIFIED JUN 30 2008
Authority: EO 12958, as amended
Chief, Records & Declassion Div, WHS

JDR 351

08-MH724

R-1

~~CONFIDENTIAL~~

TABLE 1. Information for requesting published issues of the *Journal of Defense Research, Series A, Strategic Warfare* from the Defense Documentation Center.

Volume	Number	Issue	Classification	Pages	DDC Number
1A	1	Spring 1969	Secret	1 through 83	AD 504-133L
1A	2	Summer 1969	Secret-RD *	85 through 148	AD 507-427
1A	3	Fall 1969	Secret-RD *	149 through 223	AD 509-332
1A	4	Winter 1969	Secret	225 through 276	AD 512-407
2A	1 b	Spring 1970	Secret	1 through 166	AD 514-754
2A	2 c	Summer 1970	Secret-RD *	167 through 370	AD 521-100
2A	3 d	Fall 1970	Secret-FRD *	371 through 447	AD 521-710
2A	4 e	Winter 1970	Secret-RD *	449 through 616	AD 522-382
3A	1	Spring 1973	Secret	1 through 109	AD 524-488
3A	2	Summer 1973	Secret-RD *	111 through 188	AD 527-916
3A	3	Fall 1973		(This issue was never published.)	
3A	4	Winter 1973		(This issue was never published.)	
4A	1 f	May 1975	Secret	1 through 632	AD C002-386
4A	2	June 1975	Secret-RD *	633 through 720	AD C002-537
4A	3	November 1975	Secret-RD *	721 through 835	AD C004-449
4A	4	June 1975	Secret	837 through 912	AD C006-668

* RD = Restricted Data; FRD = Formerly Restricted Data. * Issue dedicated to the *State of the Art in Reentry Physics*.
 * Issue dedicated to *Advanced Technology for BMD Interceptors*. * Issue dedicated to *Transient Radiation Effects on Electronics*. * Issue dedicated to *High-Energy Lasers*; the content of this issue is identical to that of Volume 7B, No. 1.

TABLE 2. Information for requesting published issues of the *Journal of Defense Research, Series B, Tactical Warfare* from the Defense Documentation Center.

Volume	Number	Issue	Classification	Pages	DDC Number
1B	1	Spring 1969	Secret	1 through 97	AD 502-079L
1B	2	Summer 1969	Secret	99 through 232	AD 505-048
1B	3 g	Fall 1969	Secret	233 through 319	AD 506-566
1B	4	Winter 1969	Secret	321 through 431	AD 509-333
2B	1	Spring 1970	Secret-FRD *	1 through 82	AD 509-672
2B	2	Summer 1970	Secret-RD *	83 through 190	AD 511-713
2B	3	Fall 1970	Secret	191 through 252	AD 513-497
2B	4 h	Winter 1970	Secret	253 through 391	AD 515-111
3B	1	Spring 1971	Secret	1 through 87	AD 515-112
3B	2	Summer 1971	Secret	89 through 242	AD 517-041
3B	3	Fall 1971	Secret	243 through 372	AD 518-042
3B	4	Winter 1971	Secret	373 through 541	AD 519-588
4B	1 i	Spring 1972	Secret	1 through 84	AD 520-353
4B	2	Summer 1972	Secret-RD *	85 through 187	AD 522-617
4B	3	Fall 1972	Secret	189 through 312	AD 523-731
4B	4	Winter 1972	Secret	313 through 451	AD 524-668
5B	1 j	Spring 1973	Secret	1 through 135	AD 525-581
5B	2 k	Summer 1973	Secret	137 through 232	AD 526-327
5B	3	Fall 1973	Secret	223 through 327	AD 527-666
5B	4	Winter 1973	Secret	329 through 427	AD 528-048
6B	1 l	Spring 1974	Secret	1 through 204	AD 529-758
6B	2	Summer 1974	Secret	205 through 319	AD 530-204
6B	3	Fall 1974	Secret	321 through 455	AD 531-206
6B	4	Winter 1974	Secret	457 through 554	AD C000-807
7B	1 m	Spring 1975	Secret	1 through 632	AD C002-290
7B	2	Summer 1975	Secret	633 through 763	AD C003-270
7B	3 n	Fall 1975	Confidential	767 through 952	AD C004-262
7B	4	Winter 1975	Secret	953 through 1076	AD C005-068

* Issue dedicated to *Remote Sensors Technology*. * FRD = Formerly Restricted Data; RD = Restricted Data. * Issue dedicated to *Countermeasures Against Soviet Surface-to-Air Missiles in Southeast Asia*. * Issue dedicated to *Air-to-Air Simulation in R&D*. * Issue dedicated to *Time-of-Arrival Technology, Part One*. * Issue dedicated to *Time-of-Arrival Technology, Part Two*. * Issue dedicated to *Fleet Defense*. * Issue dedicated to *High-Energy Lasers*; the content of this issue is identical to that of Volume 4A, No. 1. * Issue dedicated to a book-length article entitled "War Without Fronts," dealing with *Analysis of Vietnam Data*.

~~CONFIDENTIAL~~

DECLASSIFIED JUN 30 2008

Authority: EO 12958, as amended
Chief, Records & Declass Div, WHS

~~CONFIDENTIAL~~

TABLE 3. Information for requesting published issues of the Journal of Defense Research (after Series A and Series B were combined) from the Defense Documentation Center.

Volume	Number	Issue	Classification	Pages	DDC Number
8	1	Spring 1976	Secret	1 through 131	AD C006-553
8	2	Summer 1976	Secret	133 through 217	AD C007-120
8	3*	Fall 1976	Secret	219 through 328	AD C008-081
8	4	Winter 1976	Secret-RD b	329 through 450	AD C009-412
9	1	Spring 1977	Secret-RD b	1 through 96	AD C009-962
9	2	Summer 1977	Secret	97 through 213	AD C011-376
9	3	Fall 1977	Secret-RD b	215 through 339	AD C012-249
9	4	Winter 1977	Secret	341 through 409	AD C013-055
10	1	Spring 1978	Secret-FRD b	1 through 78	AD C014-793
10	2	Summer 1978	Secret	79 through 146	AD C015-491
10	3	Fall 1978	Secret-FRD b	147 through 269	AD C016-460
10	4	Winter 1978	Secret	271 through 376	Not available

* Issue dedicated to Space Object Imaging and Identification. b RD=Restricted Data; FRD=Formerly Restricted Data.

TABLE 4. Information for requesting published (dedicated) special issues of the Journal of Defense Research from the Defense Documentation Center.

Issue	Publication Date	Classification	Title	Number of Articles	DDC Number
76-1	April 1976	Secret	Small Submersibles	12	AD C005-995
77-1	May 1977	Secret	Crisis Management	15	AD C010-671
78-1	January 1978	Secret	Tactical Command, Control, and Communications	9	AD C013-699
78-2	August 1978	Secret	Defense Suppression	12	AD C015-414
78-3	January 1979	Secret	Space Defense	14	Not Available

AUTHORS

A					
Abbott, A. D., Brock, E. G., Gross, G. J. Vulnerability of reentry vehicles to pulsed lasers (C)	5A	1	Small Submersibles	12	AD C005-995
Achter, M. R. Chemical effects of laser irradiation (in High-Energy Lasers)	7B	490	Crisis Management	15	AD C010-671
(also in Volume 4A)			Tactical Command, Control, and Communications	9	AD C013-699
Action, J. E. Bomber defense study (in High-Energy Lasers)	7B	57	Defense Suppression	12	AD C015-414
(also in Volume 4A)			Space Defense	14	Not Available
Adler, R. E. The advanced naval ship and its combat system (Technical Note)	8	112	Small Submersibles	12	AD C005-995
Ahlgren, B. T. (see Raymond, J. P.)			Crisis Management	15	AD C010-671
Allen, J. L. (see Bowles, L. W.)			Tactical Command, Control, and Communications	9	AD C013-699
Alley, B. J., Beason, L. R. Recent developments in high-burning-rate solid rocket propellants	1A	121	Defense Suppression	12	AD C015-414
Altshuler, S. Thermal instabilities in chemical laser (DF) propagation	8	208	Space Defense	14	Not Available

~~CONFIDENTIAL~~

DECLASSIFIED

Authority: EO 12958, as amended
Chief, Records & Declassify Div, WHS

JUN 30 2008

JDR 353

~~CONFIDENTIAL~~

Attinello, J. S.			Benneche, R. A.		
<i>Supermaneuverability of fighter aircraft</i>	2B	83	<i>Open-ocean sprinkle mining</i>	3B	1
Attinello, J. S., Cohen, V. D.			Bennett, L. D. (see Neesline, F. W.)		
<i>The impact of advanced short-range air-to-air missiles on the outcome of simulated dogfights between conventional and VIFF-type Harriers</i>	7B	633	Bennett, W. S.		
Attinello, J. S., Gardner, C. W., Beatty, D. N.			<i>Tactical nuclear deterrence</i>	4B	146
<i>Analysis of tactical air-to-air combat</i>	1B	99	Bergemann, R. J.		
Aubert, G. (see Schaffer, A.)			<i>Ground electro-optical deep-space surveillance (GEODSS) (in Space Defense)</i>	7B-3	42
Auer, P. L. (see Kilb, R. W.)			Berger, P. J.		
Augustine, N. R.			<i>Thermal blooming of a skewed laser beam containing a stagnation zone: analytical model for the quasi-steady state</i>	8	153
<i>An R&D perspective of land warfare</i>	3B	243	Berube, J. L. (see Greene, A. H.)		
<i>Erratum: An R&D perspective of land warfare</i>	3B	528	Beverly, E. J., Quine, D. H., Reinheimer, J., Roth, J.		
<i>Future possibilities (Letters and Technical Notes)</i>	1B	315	<i>An overview of space system survivability techniques (in Space Defense)</i>	7B-3	327
Augustine, N. R., Gilstein, J. B.			Beyers, R. (see Culpepper, R.)		
<i>Ballistic missile defense research and development in the post-SALT world</i>	4A	633	Biberman, L. M.		
Avizonas, P. V. (see Holmes, D.)			<i>Author's reply (Letters and Technical Notes)</i>	2B	248
B					
Babjak, S. J.			<i>The evolution of photomultiplier night vision technology during the 1960 decade</i>	2B	141
<i>Hardening of satellite material systems (in High-Energy Lasers)</i>	7B	621	<i>FLIR and active television: a comparison of theoretical and experimental data</i>	9	97
		(also in Volume 4A)	Biberman, L. M., Legault, R. R.		
Bagnall, J. J., Jr.			<i>Night sensors for truck interdiction</i>	2B	216
<i>Special air defense problems associated with low-altitude attacks</i>	1B	215	Bigelow, J. H. (see Baker, J. S.)		
Bailey, H. H.			Billingsley, J. D., Cottingham, D. T., Goad, B. G., Kenner, P. M.		
<i>Target detection through visual recognition: a quantitative model and two applications</i>	3B	54	<i>An unconventional interceptor</i>	2A	305
Baker, J. S., Bigelow, J. H., Cullen, F. M., Petry, W. F., Shanahan, A. R., Therrien, J. H., Turner, C. R.			Birnbaum, M. R., Dean, D. K.		
<i>Analysis of E-3A survivability in the Central Region</i>	8	356	<i>The application of structural analysis to electrical component vulnerability</i>	2A	530
Baliciki, F. W. (see Mead, O. J., Jr.)			Blaisdell, R. G., (see Brettmann, K. F.)		
Barnes, G. G., Roderburg, T. K.			Bloomer, J. R.		
<i>Effectiveness evaluation of small arms</i>	2B	1	<i>Sea-control/ship air defense</i>	6B	67
Bartlett, C. J., Edwards, K. R.			Bloomer, R. (see Gaumer, W.)		
<i>Precursor formation and the blunt-body radar cross section during reentry</i>	1A	260	Boade, R. R.		
Baum, L.			<i>Response of distended copper to x-ray-induced stress pulses</i>	3A	142
<i>Over-the-horizon backscatter radar technology</i>	8	187	Bogg, C. F.		
Baumbach, T. A. (see Grenard, W. A.)			<i>Laser Paveway terminal guidance</i>	8	93
Beale, R. S. (see Zwemer, H. A.)			Bonder, S. (see Farrell, R.)		
Beason, L. R. (see Alley, B. J.)			Borison, S. L., Camp, W. W., Kingston, R. H.		
Beatty, D. N.			<i>Space object imaging using coherent radar</i>	8	219
<i>An overview of strike operations: past, present, and future</i>	6B	233	Borkmar, J. K. (see Kupperman, R. H.)		
(also see Attinello, J. S.)			Bowles, L. W., Drury, W. H., Teele, J. H., Allen, J. L.		
Becken, B. A.			<i>The camp sentinel radar</i>	1B	66
<i>Contributions of ASW to carrier task force defense</i>	6B	1	Bozich, W. F.		
Belden, T. G.			<i>Reentry vehicle and booster vulnerability (in High-Energy Lasers)</i>	7B	406
<i>Indications, warnings, and crisis operations (in Crisis Management)</i>	77-1	75	(also in Volume 4A)		

~~CONFIDENTIAL~~

~~CONFIDENTIAL~~

Brettmann, K. F., Kemp, V. M. <i>Passive laser countermeasures applications (in High-Energy Lasers)</i>	7B	613	Carlson, A. D. <i>Solutions of a general class of field problems by the finite-element method</i>	9	392
(also in Volume 4A)			Carn, R. E., Gardner, C. W., Heaps, W. E., Lese, W. G., Jr. <i>Comparison of predicted and observed wound ballistics estimates for rifle bullets</i>	SB	170
Briggs, D. L. (see Reis, V. H.)			Carosella, C. A. (see Wenzel, R. F.)		
Briscoe, R. E., McGraw, H. D., Hansen, W. P. <i>Short-range attack missiles design achieve- ments versus requirements</i>	4A	837	Carter, W. W. <i>Introductory considerations on tactical nu- clear warfare (Technical Note)</i>	2B	163
Brock, E. G. (see Abbott, A. D.)			Cathey, O. E. (see Grenard, W. A.)		
Brockner, E. <i>Discriminants: their effectiveness as a func- tion of system resources</i>	SA	153	Chabai, A. J. (see Thompson, S. L.)		
Brown, R. V., Kelly, C. W. III, Stewart, R. S., Ulvila, J. W. <i>A decision-theoretic approach to pre- dicting the timeliness of NATO response to an impending attack (in Crisis Management)</i>	77-1	126	Chambers, R. W. (see Duckos, D. P.)		
Browne, S. H. (see Tichenor, V. C.)			Chapman, R. M., Grimm, H. F., Jr. <i>The small military submersible—history and future potential (in Small Sub- mersibles)</i>	78-1	1
Browne, W. B. <i>Homing guidance for endoatmospheric bal- listic missile intercept</i>	2A	277	Chase, H. C. <i>Marine Corps command and control sys- tems (in Tactical Command, Control, and Communications)</i>	78-1	22
Brownell, J. (see Haslewood, L.)			Chester, A. N. <i>Mode control (in High-Energy Lasers)</i>	7B	214
Brundage, J. W. (see McQueen, K. T.)			(also in Volume 4A)		
Buntzen, R. R. <i>Applications of high-energy laser weapons in ground-based warfare (in High- Energy Lasers)</i>	7B	84	Ciminera, M. V., Hansen, W. C., Lowery, H. H. <i>The F-14 in fleet air superiority</i>	6B	87
(also in Volume 4A)			Cline, C. F. (see Wilkins, M. L.)		
Burke, T. F. <i>The concept of dispersed SAM defense</i>	2B	205	Cloud, E. L., Leonard, K. C., Jr. <i>Pave Gat: a flexible gun turret armament system for the B-57G</i>	5B	397
Butz, J. M. (see Zwemer, H. A.)			Cohen, R. M., Lasker, G., McSweeny, J. E., Trulin, D. J. <i>Phalanx</i>	4B	313
Byron, S., Klosterman, E. L., Hall, R. B. <i>Laser-supported absorption waves (in High- Energy Lasers)</i>	7B	468	Cohen, S. T., Van Cleave, W. R. <i>Western European collateral damage from tactical nuclear weapons</i>	9	83
(also in Volume 4A)			Cohen, V. D. <i>Missile-target intercept conditions in AIM VAL</i>	10	258
C					
Cabell, C. P., Jr. (see Naka, F. R.)			(also see Attinello, J. S.)		
Callan, R. (see Munk, W.)			Colby, S. J., Jones, L. W. <i>Expendable harassment drones for selective defense suppression (in Defense Sup- pression)</i>	78-2	94
Camburn, G. L. (see Manheim, J. R.)			Colton, J. D., Holmes, B. S. <i>Mechanical effects from pulse loading (in High-Energy Lasers)</i>	7B	517
Camp, W. W. (see Borison, S. L.)			(also in Volume 4A)		
Campbell, T. K. (see Patierno, J.)			Conrad, R. W. <i>Laser-target interaction: thermal effects (in High-Energy Lasers)</i>	7B	433
Campbell, T. K., Hartsook, L. B., Evanbar, M. S. <i>Variational techniques applied to air combat analysis</i>	5B	307	(also in Volume 4A)		
Canavan, G. H. (see Nielsen, P. E.)			Cook, R. G. (see Torres, J. L.)		
Cann, G. A. <i>Undersea surveillance in the 1970's and 1980's</i>	2B	191	Cooke, W. P. (see Zimmer, R. P.)		
Capellupo, J. P. (see Murden, W. P.)			Cooper, C. A. <i>Development of eight- and five-inch guided projectiles</i>	6B	149
Caperton, O. H., Kress, K., Ross, R. B. <i>Tactical expendable drones for defense suppression (in Defense Suppression)</i>	78-2	151	Cooper, H. (see Schaffer, A.)		
Cardozo, D. J. <i>Man-in-the-loop application for wireguided underwater weapons</i>	6B	56	Cosgrove, K. R. (see Krausman, D.)		

~~CONFIDENTIAL~~

DECLASSIFIED JUN 30 2008

JDR 355

Authority: EO 12958, as amended
Chief, Records & Declass Div, WHS

~~CONFIDENTIAL~~

Cossette, E. (see Entzminger, J. N.)					
Cotter, D. R.					
Comments on "Ten Lessons From Southeast Asia—and What We Have Done About Them" (Letters to the Editor).....	1B	226	Development and deployment of an improved A-6 weapons system for attacking enemy radar sites.....	2B	308
Erratum: Comments on "Ten Lessons From Southeast Asia—and What We Have Done about Them".....	1B	319	Dean, L. E., Johnson, C. R., Strader, H. J. Teal Amber I (in Space Defense).....	7B-3	151
Cotter, L. D., Van Lint, V. A. J.	2A	511	Deitchman, S. J.		
Circumvention.....			Sensors: from barriers to surveillance (Letters and Technical Notes).....	1B	428
Cottingham, D. T. (see Billingsley, J. D.)			Tactical air support against armor in a NATO war.....	8	6
Cowling, J. E., Lyon, S. R.			Delaney, L. J.		
Passive laser countermeasures for flight skins and structures (in High-Energy Lasers).....	7B	585	Additional work in air combat simulation (Letters to the Editor).....	4B	83
(also in Volume 4A)			DeLang, J. J. (see Kahn, D. A.)		
Cox, M. (see James, L. B.)			Demetriaus, A.		
Cox, S. W., Quandt, E. R.			Turbulence structure of reentry flow fields.....	2A	5
Advanced closed-cycle power systems for small submersibles (in Small Submersibles).....	7B-1	131	Dichtl, R. (see Gaumer, W.)		
Cron, A. C. (see Seeber, K. N.)			Dickinson, W. D.		
Cruskie, J. (see Entzminger, J. N.)			Countering ECM threats to terminal BMD systems.....	9	297
Cullen, F. M. (see Baker, J. S.)			Dietz, J. H.		
Culpepper, R., Beyers, R., Hardy, M.			ECHO range computer simulation of the Soviet Guideline missile (C).....	2B	351
Vulnerability of antishipping missiles (in High-Energy Lasers).....	7B	392	Errata: ECHO range computer simulation of the Soviet Guideline missile (C).....	3B	315
(also in Volume 4A)			Dietz, J. H., James, W. G., Shaw, R. M.		
Curtis, T. H. (see Zwemer, H. A.)			The naval air combat maneuvering range.....	2B	323
Cwirko, R. W., Munzer, E. N.			Dillenschneider, P. G., James, C. R., Jr.		
Low-frequency location subsystem.....	5B	162	Evaluation of air combat parameters by manned simulation.....	4B	30
D			Dobbins, B. D., Evans, T. R., Tregida, A. C.		
Dalone, A. A. (see Anderson, L. B.)			CNO Project F/O 210 data base for evaluation of air operations in Southeast Asia; significant results of analysis.....	2B	280
Dashen, R. (see Munk, W.)			Dods, D. A. (see Follin, J. W., Jr.)		
Dashiell, T. R.			Doebler, H. J.		
Chemical warfare status.....	10	137	Tactical implications of long standoff ranges in antisubmarine warfare.....	7B	1054
Daugherty, J. D.			Doeppner, T. W., Hagn, G. H., Sturgill, L. G.		
High-power IR electric lasers (in High-Energy Lasers).....	7B	141	Electromagnetic propagation in a tropical environment.....	4B	353
(also in Volume 4A)			Doherty, D. T., Reinheimer, J., Poll, R. A., Davies, K. E., Van Lint, V. A. J.		
Davidson, J.	4A	665	The hardening of a radio in-flight correction system.....	2A	483
The Site Defense system.....			Dominitz, J., Milbert, A. J., Israel, D. R.		
Davies, K. E. (see Doherty, D. T.)			The evolution of the data collection and processing subsystem of the infiltration interdiction system.....	1B	294
Davies, W. O. (see Passino, N. A.)			Donaldson, C. du P.		
Davis, H. I.			Aerothermal effects within damaged reentry vehicles.....	1A	41
Genesis and evolution of TOA concepts.....	5B	1	Doran, L. L., Keller, J. A.		
New initiatives for command, control, communications, and intelligence (in Tactical Command, Control, and Communications).....	7B-1	71	The laser vulnerability assessment code (LVAC)—definition 1 (in High-Energy Lasers).....	7B	417
Some thoughts about the NATO command and control structure (Technical Note).....	10	346	(also in Volume 4A)		
Theatre command, control, communication, and intelligence.....	7B	663	Doray, R. L. (see Greco, A. J.)		
Uncertainties in defense-suppression systems (in Defense Suppression).....	7B-2	1	CONFIDENTIAL		
Dean, D. K. (see Birnbaum, M. R.)					

~~CONFIDENTIAL~~

Dougherty, C. B. (see Larkin, J. R.)				
Douglass, J. D., Jr., Hoeber, A. M.				
The United States/Soviet chemical warfare programs: imbalances, associated problems, recommended actions.....	9	241	Eisen, H. A., Oswald, R. B., Jr., Schallhorn, D. R., Oldham, T. R.	2A 538
Douglass, J. D., Jr., Lee, W. T., Soll, R. S., Hoeber, A. M., Shannon, J. A.	10	95	Development status of low-Z transistors.....	6E 288
Analysis of trends in Soviet theater nuclear capabilities and doctrine.....	10	95	Eisenberger, A. J., Graff, J. A., Origlio, G. F.	
Dowling, J. A.	7B	335	New radar detection systems for metal military targets.....	7B 690
The effects of atmospheric turbulence on high-power laser propagation (in High-Energy Lasers).....	7B	335	Ekaireb, E. (see Malven, C. J.)	
(also in Volume 4A)			Entsminger, J. N., Jr.	
Downing, K. O. (see Passenheim, B. C.)			Multilateration radar surveillance/strike system study.....	
Draper, C. S.	4A	866	Entsminger, J. N., Jr., Cruskie, J., Coasette, E.	
Ultimately useful guidance and geometrical indications.....	4A	866	Emitter location and identification technology for precision strike (in Defense Suppression).....	7B-2 65
Driscoll, T. R. (see Eckeneroth, H. F.)			Evanbar, M. S. (see Campbell, T. K.; also see Patierno, J.)	
Drury, W. H. (see Bowles, L. W.)			Evans, T. R. (see Dobbins, B. D.)	
Duelos, D. P., Quinville, J. A., Chambers, R. W., Glatt, L.	2A	371		
Wake seeding and quenching.....	2A	371	F	
Dufsey, J. G., Spreen, D. E.	7B	41	Farley, B. W.	
Project Delta (in High-Energy Lasers).....	7B	41	Development and evaluation of the YOV-10D night observation/gunship system.....	4B 196
Dumond, R. C.	5B	360	Farmer, R. W. (see Schmidt, D. L.)	
Some test results from the ARPA quiet helicopter program (Technical Note).....	5B	360	Farrell, R., Bonder, S.	
Dunn, K. P. (see Rheinstein, J.)			A parametric design/cost-effectiveness study of advanced forward-area air defense systems (AAADS) gun systems.....	3B 275
Dunn, M. G., Treanor, C. E.	2A	23	Federhen, H. M.	
Electron and ion chemistry in flow fields.....	2A	23	Remotely piloted vehicle (RPV) communication and navigation.....	9 146
			Federhen, H. M., Kleiman, H.	
			An IR projectile tracking system.....	10 18
			Feldman, N. E., Rodriguez, T. M.	
			UHF communications for small submeribles (in Small Submeribles).....	7B-1 272
			Fenn, R. W. (see Kelley, P. L.)	
			Ferraro, C. V. (see Gibson, J. E., Jr.)	
			Ferris, H. W. (see Hirsch, N. B.)	
			Fields, C.	
			Computer technology for crisis management organizations (in Crisis Management).....	77-1 171
Eade, G. J.	77-1	31	Fisher, R. H.	
Crisis management (in Crisis Management).....	77-1	31	Remotely piloted aircraft.....	6B 457
Eaton, A. R.	2B	256	Fitch, S. H. (see Anderman, A.)	
An overview of several programs relating to the quantitative evaluation of air tactics, countermeasures, and antiaircraft weapon systems.....	4B	312	Fletcher, R. C.	
Reply to Steeg comments (Letters).....	4B	312	TOA capabilities demonstrated on Naval Weapons Center ranges.....	6B 182
Eckeneroth, H. F., Driscoll, T. R., Gilbert, W. H., Jr.			Folkert, F. R.	
SAM-D missile development flight test planning and analysis.....	4B	250	The miniature vehicle for space defense (in Space Defense).....	7B-3 209
Edelberg, S.			Follin, J. W., Jr., Stone, A. M., Doda, D. A.	
Thermal distortion (in High-Energy Lasers).....	7B	346	Distributed array acoustic artillery-locating system.....	6B 515
(also in Volume 4A)			Foster, J. L.	
Edwards, G. C. (see Torres, J. L.)			Implications of the War Powers Resolution of 1973 for crisis management (in Crisis Management).....	77-1 59
Edwards, K. R. (see Bartlett, C. J.)			Fowler, C. A.	
Egan, J. F.			Comments on "SMASH" (Letters).....	4B 182
A "TACSI" information system for NATO (in Tactical Command, Control, and Communications).....	78-1	47	Frederick, W. G. D. (see Rice, R. W.)	
Egelkraut, D. W.				
Radiation-induced failure of semiconductor device aluminum interconnects.....	2A	515		

~~CONFIDENTIAL~~

DECLASSIFIED JUN 30 2008

Authority: EO 12958, as amended
Chief, Records & Declass Div, WHS

JDR 357

~~CONFIDENTIAL~~

Fredericksen, D. N. <i>On the future of the tank</i>	7B	953	Glatt, L. (see Duclos, D. P.)
Fresh, J., Signori, D., Stradling, C. <i>TOA/DME technology and application</i>	5L	16	Goad, B. G. (see Billingsley, J. D.)
Fretwell, L. J. <i>A real-time approach to radar tracking in a refractive environment</i>	3A	111	Gods, H. L. (see Paiewonsky, B. H.)
Froning, H. D. <i>Aerodynamic concepts for increased tactical missile maneuverability</i>	5B	12	Godwin, F. (see Grenard, W. A.)
Fubini, E. G. <i>Other technologies (Letters and Technical Notes)</i>	1B	307	Goldbach, F. P., Staake, D. B. <i>ECHO range development program; description of hardware simulation; range capabilities and potential</i>
G			SB 294
Gardner, C. W. (see Attinello, J. S.; also see Carn, R. E.)			Goldberg, W. <i>Enhancement of laser survivability (in High-Energy Lasers)</i>
Garing, J. S., Stair, A. T., Jr., Walker, R. W. <i>Long-wavelength infrared backgrounds</i>	1A	85	7B 534 (also in Volume 4A)
Garwin, R. L. <i>New ideas (Letters and Technical Notes)</i>	1B	310	Golik, R. J. (see Hromas, L. A.)
Gauvin, W., Dichtl, R., Bloumer, R. <i>User's guide to high-power mirrors (in High-Energy Lasers)</i>	7B	249	Graff, J. A. (see Eisenberger, A. J.)
Gaylor, N. <i>Readiness to meet contingency requirements (in Crisis Management)</i>	77-1	39	Graham, E. (see Reis, V. H.)
Gasley, C., Jr., Arresty, J., King, W. S., Van Driest, E. R. <i>Hydrodynamic considerations in the design of small submersible vehicles (in Small Submersibles)</i>	76-1	65	Graham, G. A. R., Peterson, A. H. <i>A study of target visibility for balloon-borne radar in Southeast Asia</i>
Gehrke, R. F. <i>U.S. Navy CNO Project F/O 210 flight test program; organization, methodology, and results</i>	2B	268	SB 205
Geiger, R. B. (see Zwemer, H. A.)			Gray, W. A. (see Potts, J. M.)
Genalis, P. (see Leopold, R.)			Greco, A. J., Doray, R. L.
Gentsel, C. R. (see Anderson, L. B.)			<i>Tactical decision algorithms for modern air ASW weapon systems</i>
Gerenz, R. F. <i>A methodology for improving the strategic warning process (in Crisis Management)</i>	77-1	98	SB 46
Gerngross, J. E. (see Van Blaricum, G. F.)			Green, K., Wick, R., Verderame, F., Stuebing, E., Pinto, J.
Gerry, E. T. <i>Preface to the high-energy laser issue</i>	7B	1	<i>Gases and aerosols for high-energy laser countermeasures (in High-Energy Lasers)</i>
Gibson, J. E., Jr., Maillard, W. E., Ferraro, C. V. <i>Analysis of test range and combat weapon delivery accuracy</i>	5B	419	7B 539 (also in Volume 4A)
Gilbert, R. M. (see Tompkins, J. E.)			Greene, A. H., Berube, J. L. <i>Milrad systems analysis/evaluation</i>
Gilbert, W. H., Jr. (see Eckenerth, H. F.)			3A 26
Gilliner, A. H. <i>Night sensor performance</i>	2B	97	Greene, T. E. <i>Engineering aspects of a guided gun for fighter aircraft</i>
Gilstem, J. B. (see Augustine, N. R.)			1B 46
Gitlow, B., Schmitt, J. W. <i>Fuel cells for small submersibles (in Small Submersibles)</i>	76-1	150	Greenleaf, G. H. <i>Unattended ground sensors: epilogue or prologue? (Technical Note)</i>
			6B 445
			Greinke, E. D. <i>Tactical command, control, and communications (in Tactical Command, Control, and Communications)</i>
			78-1 1
			Grenard, W. A., Cathey, O. E., Baumbach, T. A., Godwin, F. <i>Near-term concepts for a conventional space defense system (in Space Defense)</i>
			78-3 244
			Greshock, J. (see Homsey, R. J.)
			Grimm, H. F., Jr. (see Chapman, R. M.)
			Grindon, J. R. <i>New technique for the TOA location of nonpulse emitters</i>
			5B 196
			Gritton, E. C., Kruse, W. H., Pinkel, B. <i>Cruise/dash propulsion systems for underwater vehicles (in Small Submersibles)</i>
			76-1 174
			Grohs, G. L. (see Kiel, R. E.)
			Grometstein, A. A., Schoendorf, W. H. <i>Target discrimination using pattern recognition</i>
			10 271
			Gross, G. J. (see Abbott, A. D.)

JUN 30 2008

~~CONFIDENTIAL~~

DECLASSIFIED

Authority: EO 12958, as amended
Chief, Records & Declass Div, WHS

~~CONFIDENTIAL~~

Gzymala, T., Mead, F. C.		Havard, L. J., Jr., Hayward, T. D., Armstrong, T. W., Roberts, T. G.		
Sharem—a program to measure destroyer ASW readiness/effectiveness and support tactical development.....	6B 29	Particle beam technology for BMD.....	9	307
Gulino, R., Mons, R. F.		Hayes, D. B. (see Thompson, S. L.)		
Small-body low-drag hydrodynamics (in Small Submersibles).....	7B-1 97	Hayes, J. J. (see Hazelwood, L.)		
Gunther, A.		Hayward, T. D. (see Havard, L. J., Jr.)		
High explosive warhead vulnerability study (in High-Energy Lasers).....	7B 414	Hazelwood, L., Hayes, J. J., Brownell, J.		
(also in Volume 4A)		Planning for problems in crisis management (in Crisis Management).....	77-1	42
Gustavson, M. R., Salisbury, J. D.		Heaps, W. E. (see Carn, R. E.)		
Geographic position locators: new concepts for land-based navigation systems.....	8B 74	Heebner, D. R.		
Guttmann, P. T.		The acquisition dilemma (Guest Editorial).....	4B	189
The role of space surveillance in support of the space defense task (in Space Defense).....	7B-3 14	Heilwell, B. (see Torres, J. L.)		
		Heintz, J.		
		Long-wave infrared (LWIR) space surveillance (in Space Defense).....	7B-3	79
H		Heinze, K. P. (see Anderson, L. B.)		
Haas, P. H.		Henderson, F. P.		
Foward to TREE issue.....	2A 449	Automated combat intelligence (Letters and Technical Notes).....	1B	316
Hadala, P. F., Spangler, D. R., Stong, T. D.		Comments on "R &D Perspective of Land Warfare" (Letters).....	4B	183
The technology of earth-penetrating weapons.....	10 37	Henry, J. C. (see Muehe, C. E.)		
Hadler, J. B. (see Leopold, R.)		Hettche, L. R., Rudder, R. R.		
Hadley, S. G., Rich, J. C.		Mechanical response of materials to pulsed laser radiation (in High-Energy Lasers).....	7B	459
New concepts for high-energy lasers (in High-Energy Lasers).....	7B 193	(also in Volume 4A)		
(also in Volume 4A)		Hill, P. W. (see Jacobs, A. M.)		
Hagn, G. H. (see Doeppner, T. W.)		Hilsman, W. J.		
Hall, D. K., Lokke, W. A., Nelson, R. G.		Tactical command, control, and communications in the Army today (in Tactical Command, Control, and Communications).....	7B-1	6
Calculation of x-ray emission from nuclear devices (limited distribution supplement to Volume 2A).....	2A S-1	Hirsch, N. B., Ferris, H. W.		
Hall, R. B. (see Byron, S.)		Hughes OH-6A quiet helicopter program.....	5B	384
Hall, S. F., Prichard, J. S.		Hobson, J. E. (see Wrout, G. M.)		
A unique method for evaluating the performance of airborne radars.....	3B 373	Hoeber, A. M. (see Douglass, J. D., Jr.)		
Hamilton, R. E. (see Wood, B. C.)		Hoffman, K. L., West, W. D., Matthews, E. P.		
Hanks, N. J. (see Paiwonsky, B. H.)		Reference imagery for the scene-matching area correlator.....	4B	421
Hansen, W. C. (see Ciminera, M. V.)		Hohnstreiter, G. F. (see Kiel, R. E.)		
Hansen, W. P. (see Briscoe, R. E.)		Holland, D. H.		
Hanson, J. E.		Infrared background from ionospheric radiation and scattering.....	1A	100
An historical account of the problems in mathematical modeling of SA-2 Guideline Mod 1 guidance dynamics (C).....	2B 342	Holland, R., Weaver, D. L.		
Hardy, M. (see Culpepper, R.)		Nanosecond photography of thermomechanical-shock elastic ripples.....	2A	546
Harmon, D. B., Jr.		Holliday, S. H.		
Reaction controls for interceptor missiles.....	2A 231	Development planning for defense suppression (in Defense Suppression).....	7B-2	7
Harmon, N. F.		Hollister, F. H.		
Vulnerability assessments (in High-Energy Lasers).....	7B 384	ACCAT: a testbed for exploring C ² change (in Tactical Command, Control, and Communications).....	7B-1	39
(also in Volume 4A)		Holmes, B. S. (see Colton, J. D.)		
Harris, K. (see Lind, J. R.)		Holmes, D., Avizonas, P. V.		
Harris, T. M. (see Saunders, G. H.)		Integrated high-power optical systems analysis (in High-Energy Lasers).....	7B	283
Hartie, J. (see Munk, W.)		(also in Volume 4A)		
Hartsook, L. B. (see Campbell, T. K.)				
Harvey, D. W. (see Hopkins, D. F.)				
Haught, A. F. (see Smith, D. C.)				
Haught, C. J. (see Taylor, L. J.)				

~~CONFIDENTIAL~~

DECLASSIFIED JUN 30 2008

Authority: EO 12958, as amended
Chief, Records & Declass Div, WHS

JDR 359

~~CONFIDENTIAL~~

Homsey, R. J., Greshock, J. <i>Design hardening techniques (in High-Energy Lasers)</i>	7B	551	Johnson, B. F. (see Sher, L.) Johnson, C. R. (see Dean, L. E.) Johnson, J. R. (see Ince, W. J.) Johnson, R. E. L., Jr. <i>Deployment of conventional airbase attack missiles in Europe: an assessment of effectiveness and cost</i>	10	322
Honodel, C. A. (see Wilkins, M. L.) Hooper, E. T. <i>Acoubuoys</i>	1B	256	Johnson, R. S. (see Leopold, R.) Johnston, R. J., O'Neill, W. C. <i>The large hydrofoil advanced development program</i>	8	46
Hopkins, D. F., Harvey, D. W., Riviere, R. <i>Intersection control technology for advanced BMD interceptors</i>	9	274	Jones, G. B. (see Weiner, S. D.) Jones, L. W. (see Colby, S. J.) Jones, W. M. <i>Toward the formulation of national-level crisis management support requirements (in Crisis Management)</i>	77-1	136
Horgen, C. H. (see Passino, N. A.) Hromas, L. A., Webb, W. H., Lees, L., Golik, R. J. <i>Theory of discrimination by wake velocity measurement</i>	1A	225	Justice, J. W. (see Urts, R. P., Jr.)		
Huffman, B. E., Jr. <i>Operational problems in U.S. field artillery systems</i>	4B	129			
Hundley, R. O. <i>Survey of tactical implications (in High-Energy Lasers)</i>	7B	7			
(also in Volume 4A)					
Hundley, R. O., Lamberson, D. L. <i>A new air-to-air weapon system</i>	9B	89	Kahn, D. A., DeLang, J. J. <i>A comparison of U.S. and Soviet military RDT &E and space effort</i>	9	42
Hutcheson, J. H. <i>A summary of TACTICS computer simulation programs with new applications</i>	4B	53	Kalish, J. H. <i>An overview of current antisatellite programs (in Space Defense)</i>	78-3	171
			Karp, D. (see Muehe, C. E.) Kasperek, D. D. <i>Potential countermeasure capabilities against electro-optical guided weapon systems (in Defense Suppression)</i>		
			Keller, J. (see Munk, W.) Keller, J. A. (see Doran, L. L.) Kelley, P. L., ...n, R. W., McClatchey, R. A., Long, R. K., Nelson, H., Walker, T. W. <i>Linear absorption and scattering in the atmosphere (in High-Energy Lasers)</i>	78-2	125
			(also in Volume 4A)		
			Kelly, C. W. III (see Brown, R. V.) Kemp, V. M. <i>Satellite vulnerability (in High-Energy Lasers)</i>	7B	311
			(also in Volume 4A)		
			Kenner, P. M. (see Billingsley, J. D.) Kenyon, V. (see Passenheim, B. C.) Kfouri, N. (see Schaffer, A.) Kiel, R. E., Hohnstreiter, G. F., Watson, R., Grohs, G. L. <i>On-board measurements during reentry</i>	2A	400
			Kilb, R. W., Auer, P. L. <i>Dynamics of strong explosions in plasmas</i>	1A	396
			Kimball, C. V. <i>Acoustic communication studies</i>	1A	183
			King, W. S. (see Garley, C., Jr.) Kingsland, R. H. <i>Space system survivability</i>	7B	729
			Kingston, R. H. (see Borison, S. L.) Kishel, J. J. (see Ory, H. A.)	2A	499

~~CONFIDENTIAL~~

Kitti, C. (see Anderson, L. B.)						
Kivel, B. <i>Radiation on reentry</i>	2A	426				
Kleiman, H. (see Federhen, H. M.)						
Klopstie, J. T. <i>The LV code-definition II (in High-Energy Lasers)</i>	7B	420				
		(also in Volume 4A)				
Klosterman, E. L. (see Byron, S.)						
Krase, W. H. (see Gritton, E. C.)						
Krausman, D., Cosgrove, K. R. <i>Precision emitter-location system for Pace Nickel</i>	5B	112				
Krock, J. A. <i>Methodology for survivability analysis of the defense communication system</i>	3B	37				
Kresa, K. (see Caperton, O. H.)						
Kupehan, V. S. <i>Advanced technology for BMD interceptors: an introduction</i>	2A	167				
Kupperman, R. H., Smith, H. A., Burkman, J. K. <i>A game-theoretic model for defense of cities with mixed ABM/shelter options and mixed warhead/decoy missile offense options</i>	1A	215				
Kusewitt, J. B., Jr. <i>Navy VTOL fighter system concepts</i>	5B	329				
L						
Labitt, M. (see Muehl, C. E.)						
Lamar, K., Payne, W. S. <i>Equipment and environment (Letters and Technical Notes)</i>	1B	308				
Lamberson, D. L. (see Hundley, R. O.)						
Lane, F., Jarem, J. <i>Electromagnetic scattering from turbulent, ionized media</i>	2A	53				
Langridge, W. R. <i>Analytical requirements for defense-suppression effects on CAS/BFI survivability (in Defense Suppression)</i>	7B-2	165				
Langsam, L. M. (see Ash, M. S.)						
Lapidus, B. <i>Tactical utility of forward-looking infrared systems</i>	2B	124				
Lapin, E. E. <i>Surveillance by satellite</i>	8	169				
Larkin, J. R., Dougherty, C. B. <i>Some observations on counterinfiltration</i>	2B	47				
LaRochelle, D. Z. <i>Effectiveness of artillery in suppression of air defenses (in Defense Suppression)</i>	7B-2	115				
Lasker, G. (see Cohen, R. M.)						
Lesser, M. E. <i>Army concepts (Letters and Technical Notes)</i>	1B	317				
Lauer, R. B., Smith, C. D. <i>The use of environmental acoustics in sonar system design</i>	10	65				

~~CONFIDENTIAL~~

DECLASSIFIED

Authority: EO 12958, as amended
Chief, Records & Declass Div, WHS

JUN 30 2008

JDR 361

~~CONFIDENTIAL~~

Manheim, J. R., Camburn, G. L. Aircraft fuel system vulnerability/survivability (in High-Energy Lasers)----- (also in Volume 44)	7B	600	Müller, R. D., Thompson, W. S. Helicopter vulnerability (in High-Energy Lasers)----- (also in Volume 44)	7B	411
Martellucci, A., Studeris, C. J. Ballistic vehicle drag for offensive weapons systems-----	2A	120	Miller, T. M. (see Zimmer, R. P.)		
Martin, L. R., Phillips, T. O. Radar reentry data-----	2A	15	Milton, A. F. Infrared detectors for cold backgrounds-----	3A	89
Mate, J. J., Jr. The role and nature of space defense (in Space Defense)-----	7B-3	1	Mineman, M. J. The attack of tactical targets with nuclear and conventional weapons-----	10	1
Matthews, E. P. (see Hoffinan, K. L.)			Mintz, J. S. A barrier test operation in the Mekong Delta-----	SB	183
Maydew, R. C., McAlees, S., Jr. A summary review of aerodynamic considerations for carbon-carbon reentry vehicles-----	10	176	Mohr, E. J. Air-mobile ICBM's-----	4A	808
McAlees, S., Jr. (see Maydew, R. C.)			Mons, R. F. (see Gulino, R.)		
McCarter, R. S. Technology contributions resulting from BMD programs-----	4A	180	Montague, L. D., Smith, C. E. Issues of exoatmospheric homing-----	2A	343
McClatchey, R. A. (see Kelley, P. L.)			Morgenstern, J. C. SC ⁴ for crisis control (in Crisis Management)-----		
McClatchey, D. J. (see Thompson, S. L.)			Morrison, R. C., Williams, H. E. Army application of high-energy laser technology (in High-Energy Lasers)----- (also in Volume 44)	7B	76
McDonald, H. J. The tactical air defense model (TADBM): a simulation of defense suppression (in Defense Suppression)-----	7B-2	3	Muehe, C. E., Karp, D., Henry, J. C., Labitt, M., Ince, W. J. Radar/antiradar techniques (in Defense Suppression)-----	7B-2	44
McDonald, M. The F-4G Wild Weasel (in Defense Suppression)-----	7B-2	86	Mullen, J. F. A review of maneuvering reentry systems development-----	4A	721
McGraw, H. D. (see Briscoe, R. E.)			Mundie, L. G. Plumbicon design (Letters and Technical Notes)-----	2B	247
McLain, C. E. State of the art of reentry physics: introduction-----	2A	1	Munk, R. Externally aided navigation and weapon-delivery systems-----	3B	329
McManigal, P. G. (see Malven, C. J.)			Murk, R., Vaccaro, R. J. Free-fall weapons delivery-----	1B	180
McQueen, K. T., Sweeney, E. P., Brundage, J. W. The role of combat simulation in the development of the F-14 weapon system-----	6B	132	Murphy, W., Callan, R., Dashen, R., Hartle, J., Keller, J., Miles, J., Nierenberg, W., Wright, C., Zachariasen, F. On some superficial effects from moving sources in a stratified fluid-----	1B	134
McSweeney, J. E. (see Cohen, R. M.)			Munzer, E. N. (see Cwirko, R. W.)		
Mead, F. C. (see Grzymala, T.)			Murdin, W. P., Capellupo, J. P. Unmanned air combat simulation—an effectiveness wind tunnel-----	4B	62
Mead, O. J., Jr., Palmisano, R. R., Trimmer, P. A., Balicki, F. W. Transient radiation effects on a radar fuse-----	2A	491	Murdoch, T. L. (see Schurin, B. D.)		
Mecholak, J. J. (see Rice, R. W.)			Musa, S. A. Electromagnetic wave propagation in desert environments-----	4B	405
Menotti, R. G., Vicente, F. A. Field measurements for evaluation of terminal optics-----	9	243	Muskat, A. S. (see Zwemer, H. A.)		
Messenger, G. C. (see Anderman, A.)			Myre, W. C. (see Newsom, M. M.)		
Metz, S. A. Susceptibility of naval surface ships to high-energy laser radiation (in High-Energy Lasers)----- (also in Volume 44)	7B	627	N		
Michael, F. J. Tomahawk cruise missile-----	9	164	Naber, J. A. (see Benheim, B. C.)		
Milbert, A. J. (see Dominitz, J.)					
Miles, J. (see Munk, W.)					

JUN 30 2008

~~CONFIDENTIAL~~

~~CONFIDENTIAL~~

Naka, F. R., Cabell, C. P., Jr.	Papa, R. J., Taylor, R. L.	10	117
Command and control of tactical air forces in the NATO Central Region: a conceptual analysis (in Tactical Command, Control, and Communications).....	Effect of high-energy laser-induced radome damage on antenna tracking systems.....	10	117
Nalos, E. J.	Errata: "Effect of High-Energy Laser-Induced Radome Damage on Antenna Tracking Systems".....	10	200
New developments in electromagnetic energy beaming.....	Parkinson, B. W.	4B	85
Nelson, R. G. (see Hall, D. K.)	Significant concepts from the USAF AC-130 gunship program.....	4B	85
Nesline, F. W., Bennett, L. D.	Parry, F. (see Schaffer, A.)		
Guidance design of the Soviet SA-6 surface-to-air missile.....	Passenheim, B. C., Downing, K. O., Naber, J. A., Vittora, C., Taslitt, N., Kenyon, V.		
Neumark, Z., Ratkovic, J. A., Weiner, J. N.	Radiation vulnerability of magnetic cores.....	2A	563
Electro-optical countermeasures: off-axis deception technique and system considerations.....	Passino, N. A., Horgen, C. H., Davies, W. O.		
Newsom, M. M., Myre, W. C.	Exoatmospheric sensor applications for BMD.....	8	215
Sandia developments in tactical nuclear systems.....	Patino, J., Stevens, J. R., Evanbar, M. S., Campbell, T. K.		
Nielsen, P. E.	Maneuverability of air-superiority fighter aircraft.....	5B	316
Breakdown and laser absorption waves (in High-Energy Lasers).....	Patterson, H. H.		
(also in Volume 4A)	Seismic sensors.....	1B	273
Nielsen, P. E., Canavan, G. H.	Payne, W. B.		
Theory of laser-target interaction (in High-Energy Lasers).....	Combat potential and utility of close-support aircraft (Guest Editorial).....	8	1
(also in Volume 4A)	Payne, W. S. (see Lamar, K.)		
Nierenberg, W. A.	Payne, W. S., Taylor, J. G.		
DCPG—the genesis of the concept.....	Research and development needs for military operations in overseas urban areas.....	5B	253
Reply to Linenmeyer letter (Letters and Technical Notes).....	Peterson, A. H. (see Graham, G. A. R.)		
(also see Munk, W.)	Petrone, F. J.		
Norris, R. P. (see Leonard, J. S.)	Nasal overview of land and sea (NOLAS) (Technical Note).....	6B	193
O	Petry, W. F. (see Baker, J. S.)		
Oldham, T. R. (see Eisen, H. A.; also see Schallhorn, D. R.)	Philips, T. O. (see Martin, L. R.)		
Oliver, R. C.	Philippi, C. M.		
Propulsion for tactical missiles.....	Laser-hardened infrared and electro-optical materials (in High-Energy Lasers).....	7B	576
O'Neill, W. C. (see Johnston, R. J.)	(also in Volume 4A)		
Origlio, G. F. (see Eisenberger, A. J.)	Pickett, J. L. (see Welch, L. D.)		
O'Rourke, G. G. (see Smith, J. E.)	Pignataro, J. R.		
Ory, H. A., Schaefer, M. B., Jaeger, B. F., Kishel, J. J.	Radar observations of near-wake velocities.....	1A	246
Precision guided munitions for surface targets.....	Pinkel, B. (see Gritton, E. C.)		
Oswalt, R. B., Jr. (see Eisen, H. A.; also see Schallhorn, D. R.)	Pinsky, E. A.		
Ouellette, G. A., Scammell, F. H.	Evolution of the gas dynamic laser (in High-Energy Lasers).....	7B	122
Ground-based laser (in Space Defense)....	(also in Volume 4A)		
P	Pinto, J. (see Green, K.)		
Pace, F. B.	Platus, D. H.		
The countermeasure of land mines and booby traps.....	Reentry vehicle roll control.....	1A	111
Paiwonsky, B. H., Gods, H. L., Stewart, R. C., Hanks, N. J.	Poll, R. A. (see Doherty, D. T.)		
Air battle simulator study.....	Ponsford, H. T.		
Palmissano, R. R. (see Mead, O. J., Jr.)	A mobile weapon system for defense against armored columns (Technical Note).....	3B	529
	Potts, J. M., Gray, W. A.		
	Experimental evaluation of a high-performance interceptor heat shield.....	2A	326
	Price, S. D. (see Schurin, B. D.)		
	Prichard, J. S. (see Hall, S. F.)		
	JDR 363		

~~CONFIDENTIAL~~

DECLASSIFIED

Authority: EO 12958, as amended

Chief, Records & Declass Div, WHS

JUN 30 2008

~~CONFIDENTIAL~~

Prince, W. G.		Rosado, J. A. (see Tompkins, J. E.)	
<i>Analysis of Vietnamization: measuring and explaining political influence</i>	6B 252	<i>A model for the sensitivity of effectiveness of exhaustion attacks</i>	3A 181
Pritchard, E. M.		Ross, J. A.	
<i>A survey of tactical communications problems, technology base, and future systems</i>	4B 329	<i>HITVAL: a joint field test of antiaircraft gun systems</i>	9 194
Proctor, J. F.		Ross, R. B. (see Caperton, O. H.)	
<i>Comments on "Reactive Follow-Through Warheads" (Letters)</i>	5B 230	Roth, J. (see Beverly, E. J.)	
		Rudder, R. R. (see Hettche, L. R.; also see Schriempf, J. T.)	
			S
		Salisbury, J. D. (see Gustavson, M. R.)	
		Selpeter, E. E.	
		<i>Radar scintillation after high-altitude nuclear bursts</i>	1A 77
		Saunders, G. H., Harris, T. M.	
		<i>The use of thrust vector control on the AV-8A Harrier aircraft during close air combat</i>	7B 646
		Scammell, F. H. (see Ouellette, G. A.)	
		Schaffer, A., Aubert, G., Cooper, H., Parry, F., Kifouri, N.	
		<i>Land-mobile ICBM systems</i>	4A 761
		Schaffer, M. B.	
		<i>A novel rocket munition for delivery by high-velocity rocket</i>	3B 13
		(also see Ory, H. A.)	
		Schaffer, M. B., Lindsey, P. W., Zernow, L.	
		<i>A survey of ground-vehicle armor and recommendations for future research</i>	6B 321
		Schallhorn, D. R. (see Eisen, H. A.)	
		Schallhorn, D. R., Oswald, R. B., Jr., Oldham, T. R.	
		<i>The thermoelastic response of materials, laminates, and transistor models to a pulsed electron beam</i>	2A 569
		Schilling, W. R., Jacobson, W. H., Jr.	
		<i>The future for scatterable land mines</i>	6B 361
		Schmidt, D. L., Farmer, R. W.	
		<i>Laser barrier materials for systems internal compatibility (in High-Energy Lasers)</i>	7B 605
		(also in Volume 4A)	
		Schmitt, J. W. (see Gitlow, B.)	
		Schoendorf, W. H. (see Grometstein, A. A.)	
		Schriempf, J. T., Rudder, R. R.	
		<i>Thermal coupling coefficients—experimental (in High-Energy Lasers)</i>	7B 447
		(also in Volume 4A)	
		Schlutis, W. J.	
		<i>A manual model for strategic conflict analysis</i>	1A 149
		Schurin, B. D., Price, S. D., Murdock, T. L.	
		<i>Long-wave infrared (LWIR) backgrounds (in Space Defense)</i>	7B-S 110
		Schwartz, E. L. (see Anderson, L. B.)	
		Schwartz, H. S.	
		<i>Countermeasures and transparent plastics for aircraft and helicopter crew enclosures (in High-Energy Lasers)</i>	7B 565
		(also in Volume 4A)	

~~CONFIDENTIAL~~

~~CONFIDENTIAL~~

Seuber, K. N., Cron, A. C. <i>Technology and phenomenology of high-energy lasers: status, issues, and goals (in High-Energy Lasers)</i>	7B	16	Spreen, D. E. <i>Vulnerability of tactical missiles (in High-Energy Lasers)</i>	7B	397
		(also in Volume 4A)			(also in Volume 4A)
Sewell, R. G. S. <i>Reactive follow-through warheads—a program report on testing (Technical Note)</i>	4B	170	(also see Dufley, J. G.)		
Shanahan, A. R. (see Baker, J. S.)			Spring, S. G. (see Lind, J. R.)		
Shanker, R. J. (see Anderson, L. B.)			St. George, E., Jr.		
Shanks, B. J. (see Reis, V. H.)			<i>Navigation systems for small submersibles (in Small Submersibles)</i>	7B-1	255
Shanks, W. L., Wilson, D. K. <i>Dose enhancement from finite electron range effects</i>	2A	577	Staake, D. B. (see Goldbach, F. P.)		
Shannon, J. A. (see Douglass, J. D., Jr.)			Stair, A. T., Jr. (see Garing, J. S.)		
Shapiro, H. B. <i>Crisis management: psychological and socio-logical factors in decision making (in Crisis Management)</i>	77-1	145	Steeg, G. F. <i>Comments on countermeasures to Soviet SAM (Letters)</i>	4B	310
Shaw, R. M. (see Dietz, J. H.)			Stegman, R. I. <i>Aerodynamically modified penetration of metals (in High-Energy Lasers)</i>	7B	482
Shee, L., Johnson, B. F. <i>Pointing and tracking for high-energy laser systems (in High-Energy Lasers)</i>	7B	259			(also in Volume 4A)
		(also in Volume 4A)	Stein, S. <i>COMTOA: precision location of continuous emitters</i>	5B	146
Shishko, R. <i>Some acquisition issues for tactical capabilities</i>	6B	235	Sterne, T. E. <i>An analytic investigation of ABM defense employment, engagement, and penetration</i>	3A	57
Shore, D. <i>Survivable tactical command and control (in Tactical Command, Control, and Communications)</i>	78-1	57	Stevens, C. H. <i>Sensor display and readout techniques for tactical applications</i>	1B	280
Signan, G. H., Jr. <i>SMASH</i>	5B	521	Stevens, J. R. (see Paterno, J.)		
Signori, D. (see Frech, J.)			Stewart, R. C. (see Pawlowski, B. H.)		
Simon, A. D. <i>Air-to-air simulation in R &D: introductory remarks</i>	4B	1	Stewart, R. S. (see Brown, R. V.)		
Sine, D. J. (see Jacobs, A. M.)			Stogis, P. D. <i>Military satellite communications applications (in Tactical Command, Control, and Communications)</i>	78-1	32
Skinker, N. G. (see Anderman, A.)			Stokes, R. G. <i>The need for flexible electronic countermeasures</i>	2B	338
Smith, C. D. (see Lauer, R. B.)			Stone, A. M. <i>Some remarks on tactical warfare (Letters to the Editor)</i>	4B	82
Smith, C. E. (see Montague, L. D.)					(also see Follin, J. W., Jr.)
Smith, C. R. <i>Hiber: an experiment in high-acceleration boost for ballistic missile defense</i>	2A	170	Stones, E. H., Jr. <i>Defense suppression through disruption of command and control: vulnerability of SA-4 and SA-6 communications (in Defense Suppression)</i>	78-2	57
Smith, D. C., Haught, A. F. <i>Specific impulse produced by laser irradiation of solid surfaces</i>	5A	107	Stong, T. D. (see Hadala, P. F.)		
Smith, H. A. (see Kupperman, R. H.)			Stradling, C. (see Frech, J.)		
Smith, H. C. <i>U.S. Army aircraft combat damage analysis program for the Republic of Vietnam environment</i>	2B	238	Strasler, H. J. (see Dean, L. E.)		
Smith J. E., O'Rourke, G. G. <i>The role of the F-14/AWG-8/Phoenix in fleet air defense</i>	6B	421	Studerus, C. J. (see Martellucci, A.)		
Smith, R. A. <i>A radiation-hard high-energy firing circuit</i>	2A	800	Stuebing, E. (see Green, K.)		
Sneelon, H. (see Kelley, P. L.)			Sturgill, I. G. (see Doepner, T. W.)		
Soll, R. S. (see Douglass, J. D., Jr.)			Sullivan, L., Jr. <i>Introductory remarks on the special issue on countermeasures against Soviet surface-to-air missiles in Southeast Asia</i>		
Spangler, D. R. (see Hadala, P. F.)			Reply to D. R. Coker commentary (Letters to the Editor).....	2B	253
Spann, J. R. (see Rice, R. W.)			Ten lessons from Southeast Asia—and what we have done about them	1B	232
				1B	1

~~CONFIDENTIAL~~

DECLASSIFIED JUN 30 2008

Authority: EO 12958, as amended
Chief, Records & Declass Div, WHS

JDR 365

~~CONFIDENTIAL~~

Sullivan, T. O. <i>Space-based lasers for satellite defense (in Space Defense)</i> -----	7B-3	353	Trapani, V. R. <i>Unconventional defense concepts</i> -----	44	708
Sutton, G. W. <i>The development of the N₂-CO₂ gas dynamic laser (in High-Energy Lasers)</i> ----- (also in Volume 4A)	7B	106	Travis, J. C. <i>The Soviet threat to U.S. satellites (in Space Defense)</i> -----	7B-3	311
Sweeney, E. P. (see McQueen, K. T.)			Treanor, C. E. (see Dunn, M. G.)		
Sweeney, S. E. (see Jacobs, A. M.)			Tregidga, A. C. (see Dobbins, B. D.)		
T					
Talbot, R. V. (see Wood, B. C.)			Trimmer, P. A. (see Mead, O. J., Jr.)		
Taslitt, N. (see Passenheim, B. C.)			Trulin, D. J. (see Cohen, R. M.)		
Taylor, J. G. (see Payne, W. S.)			Turner, C. R. (see Baker, J. S.)		
Taylor, L. J., Haught, C. J.			U		
<i>Techniques to precisely locate nonpulsed emitters—an overview</i> -----	5B	350	Ulivila, J. W. (see Brown, R. V.)		
Taylor, R. L. (see Papa, R. J.)			Urtz, R. P., Jr., Justice, J. W.		
Teele, J. H. (see Bowles, L. W.)			<i>Optical techniques for space object identification</i> -----	8	279
Tew, L. L. (see Anderman, A.)			V		
Thayer, T. C.			Vaccaro, R. J. (see Munk, R.)		
<i>How to analyze a war without fronts: Vietnam 1966-72</i> (entire issue devoted to this book-length article)-----	7B	767	Vacherot, M. G. (see Therrien, J. H.)		
Therrien, J. H. (see Baker, J. S.)			Van Blaricum, G. F., Gengras, J. E.		
Therrien, J. H., Vacherot, M. G.			<i>A countermeasure to location of pulse radars by time-of-arrival detection and location systems</i> -----	6B	477
<i>E-5A communications performance in an ECM environment</i> -----	8	407	Van Cleave, W. R. (see Cohen, S. T.)		
Thomas, F. J.			Van Driest, E. R. (see Gazley, C., Jr.)		
<i>Effect of nuclear weapons on theater forces (Technical Note)</i> -----	2B	168	Van Etten, J. P.		
Thompson, S. L., Hayes, D. B., Lyons, W. C., Chabai, A. J., McCloskey, D. J.			<i>Technical comparison of Decca, Loran-C and -D, and Omega navigation systems; applicability for military requirements</i> -----	2B	21
<i>An improved model for prediction of x-ray impulse: theory, comparison with experiment, and implications</i> -----	1A	200	Van Lint, V. A. J.		
Thompson, W. S. (see Miller, R. D.)			<i>Systems challenges to TREE research</i> ----- (also see Cotter, L. D.; also see Doherty, D. T.)	2A	452
Tichenor, V. C., Browne, S. H.			Vaut, W. L. (see Tompkins, J. E.)		
<i>Battlefield nuclear weapons effectiveness under collateral-damage constraints</i> -----	8	422	Verderame, F. (see Green, K.)		
Tidwell, W. A.			Vicente, F. A. (see Menotti, R. G.)		
<i>Battlefield surveillance (Technical Note)</i> -----	5B	320	Vittoria, C. (see Passenheim, B. C.)		
Tompkins, J. E., Rosado, J. A., Gilbert, R. M., Vault, W. L.			Vlajimac, M., Libby, J. E., Wu, P.-R.		
<i>Radiation-induced internal electromagnetic pulse (IEMP)</i> -----	2A	586	<i>Low-drag shapes for reentry decoys</i> -----	10	299
Tooma, S. G., Li, H., Wittman, W. I.			W		
<i>Detection of submarine thermal signatures within the marginal ice zone using infrared scanning techniques</i> -----	6B	494	Walker, R. W. (see Garing, J. S.)		
Torres, J. L., Heilweil, B., Edwards, G. C., Cook, R. G.			Walker, T. W. (see Kelley, P. L.)		
<i>Underwater communications for small submersibles (in Small Submersibles)</i> -----	7B-1	212	Warren, W. F.		
Transue, J. R.			<i>Antiaircraft warfare in Vietnam</i> -----	6B	205
<i>Air-to-surface missile range tradeoffs</i> -----	3B	477	Warren, W. R., Jr.		
<i>Estimated performance of the Soviet ZU-23 and ZSU-23-4 AA guns (Technical Note)</i> -----	3B	353	<i>Chemical infrared lasers (in High-Energy Lasers)</i> ----- (also in Volume 4A)	7B	165

~~CONFIDENTIAL~~

~~CONFIDENTIAL~~

Welch, L. D., Pickitt, J. L. <i>TAC AVENGER—conception to maturity...</i>	4B	22	Wright, B. D. (see Zimmer, R. P.) Wright, C. (see Munk, W.)
Weiner, J. N. (see Neumark, Z.)			Wreten, L. J. (see Yeager, M. R.)
Wenzel, R. F., Carneilla, C. A. <i>Aerodynamically assisted failure in aluminum using sliced beams (Hot Knife) (in High-Energy Lasers)</i>	7B	500	Wrout, G. M., Hobson, J. E., White, M. <i>Testing of the fleet air defense capabilities of the F-14A/Phoenix system in an ECM environment</i>
(also in Volume 4A)			
West, W. D. (see Hoffman, K. L.)			Wu, P.-R. (see Vlajinac, M.)
Wetsel, L. <i>Fundamentals of over-the-horizon radar</i>	1A	1	
White, M. (see Wrout, G. M.)			
White, W. A. <i>Channelling techniques (Letters and Technical Notes)</i>	1B	314	
Whitmore, W. F. <i>Logistics as a target system (Technical Note)</i>	2B	179	Yeager, M. R., Wreten, L. J. <i>Proportional lead guidance in the laser-aided rocket system</i>
Wick, R. (see Green, K.)			
Wildberger, A. M. <i>A remote autopilot missile for shipboard air defense</i>	6B	245	Yengot, W. C. <i>Guidance technology and its role in limited-response options</i>
Wilkins, M. L., Cline, C. F., Honodel, C. A. <i>Light armor</i>	1B	321	
Willett, H. N. (see Zweemer, H. A.)			Young, R. A. <i>Crisis management: problems and perspectives, progress and prospects (in Crisis Management)</i>
Williams, H. E. (see Morrison, R. C.)			
Williams, K. G. (see Elliot, J. O.)			Prospects for crisis management R&D (in Crisis Management).....
Williamson, E. W. <i>Reaction from the field (Letters and Technical Notes)</i>	1B	427	(also see Andriole, S. J.)
Wilson, D. K. (see Shanks, W. L.)			
Wilson, J. G. <i>High-energy laser shipboard application (in High-Energy Lasers)</i>	7B	67	Yudkin, H. L. <i>An overview of defense command, control, and communications (C³) systems</i>
(also in Volume 4A)			
Wittmann, W. I. (see Tooma, S. G.)			
Wood, B. C., Hamilton, R. E., Talbot, R. V. <i>Evolution of fleet defense in a countermeasures environment</i>	6B	172	Z
Wood, G. <i>AGTELIS: a hybrid DOA-TOA system to locate emitters</i>	6B	137	Zachariassen, F. (see Munk, W.)
Woodford, B. W. <i>Lethality of the SA-2 missile system (C)</i>	2B	378	Zernow, L. (see Schaffer, M. B.)
Workman, J. B. <i>The charge exchange leak</i>	1A	138	Zimmer, R. P., Miller, T. M., Cooke, W. P., Wright, B. D.
<i>Fireball striations</i>	3A	49	<i>Expendable countermeasures for use in tactical electronic warfare</i>
			Zirkind, R. <i>An algorithm for detection and recognition in random search (Letter to the Editor)</i>
			Zwemer, H. A., Beale, R. B., Muskat, M. S., Curtis, T. H., Geiger, R. B., Willett, H. N., Butz, J. M.
			<i>Air Force tactics and countermeasures against heavy defenses in North Vietnam</i>

TITLES

A

ACCAT: a testbed for exploring C ³ change, F. H. Hollister (Tactical Command, Control, and Communications).....	7B-1	39	Additional work in air combat simulation, L. J. Delaney (Letters to the Editor).....	4B	83
Acrobuoy, E. T. Hooper.....	1B	256	Advanced closed-cycle power systems for small submersibles, S. W. Cox, E. R. Quantz (Small Submersibles).....	7B-1	131
Acoustic communication studies, C. V. Kimball.....	7B	729	Advanced naval ship and its combat system, R. E. Adler (Technical Note).....	8	112
Acquisition dilemma, D. R. Hoebner (Guest Editorial).....	4B	189	Advanced technology for BMD interceptors: an introduction, V. S. Kupelian.....	2A	167

~~CONFIDENTIAL~~

DECLASSIFIED JUN 30 2008

Authority, EO 12958, as amended
Chief, Records & Declass Div, WHS

JDR 867

~~CONFIDENTIAL~~

<i>Aerodynamic concepts for increased tactical missile maneuverability</i> , H. D. Froning	5B	412	<i>Application of new sensor systems to tactical warfare</i> , D. R. Israel	1B	244
<i>Aerodynamically assisted failure in aluminum using skewed beams (Hot Knife)</i> , R. F. Wenzel, C. A. Carosella (High-Energy Lasers)	7B	500	<i>Application of structural analysis to electrical component vulnerability</i> M. R. Birnbaum, D. K. Dean	2A	530
<i>Aerothermally modified penetration of reentry vehicles</i> , R. L. Stegman (High-Energy Lasers)	7B	482	<i>Applications of high-energy laser weapons in ground-based warfare</i> , R. R. Buntzen (High-Energy Lasers)	7B	84
<i>Aerothermal effects within damaged reentry vehicles</i> , C. du P. Donaldson	1A	41	<i>Applications of millimeter-wavelength sensors to BMD</i> , S. D. Weiner, G. B. Jones	9	255
<i>AGTGLIS: A hybrid DOA-TOA system to locate emitters</i> , G. Wood	5B	137	<i>Army application of high-energy laser technology</i> , R. C. Morrison, H. E. Williams (High-Energy Lasers)	7B	76
<i>Air battle simulator study</i> , B. H. Paiwowsky, H. L. Goda, R. C. Stewart, N. J. Hanks	4B	5	<i>Army concepts</i> , M. E. Lesser (Letters and Technical Notes)	1B	317
<i>Air Force tactics and countermeasures against heavy defenses in North Vietnam</i> , H. A. Zwemer, R. S. Beale, M. S. Muskat, T. H. Curtis, R. B. Geiger, H. N. Willett, J. M. Butz	5B	120	<i>Assault Breaker: a hardware concept for neutralization of conventional Warsaw Pact threat to Central Europe</i> , L. B. James	10	147
<i>Air-to-air simulation in R&D: introductory remarks</i> , A. D. Simon	4B	1	<i>Attack of tactical targets with nuclear and conventional weapons</i> , M. J. Minneman	10	1
<i>Air-to-surface missile range tradeoffs</i> , J. R. Transue	5B	477	<i>Author's reply</i> , L. M. Biberman (Letters and Technical Notes)	2B	248
<i>Airborne MTI radar surveillance of tactical mobile ground forces</i> , W. J. Ince, J. R. Johnson	10	218		1B	316
<i>Aircraft fuel system vulnerability/survivability</i> , J. R. Manheim, G. L. Camburn (High-Energy Lasers)	7B	600	B		
<i>Aircraft vulnerability</i> , K. F. Brettmann, R. G. Blundell (High-Energy Lasers)	7B	386	<i>Ballistic missile defense research and development in the post-SALT world</i> , N. R. Augustine, J. B. Gilstein	4A	633
<i>Air-mobile ICBM's</i> , E. J. Mohr	4A	808	<i>Ballistic vehicle drag for offensive weapons systems</i> , A. Martellucci, C. J. Studerus	2A	120
<i>Algorithm for detection and recognition in random search</i> , R. Zirkind (Letter to the Editor)	9	213	<i>Barrier test operation in the Mekong Delta</i> , J. S. Mintz	5B	183
<i>Alternative to firepower indices</i> , H. Weed, Jr.	6B	401	<i>Battlefield nuclear weapons effectiveness under collateral-damage constraints</i> , V. C. Tichenor, S. H. Browne	8	422
<i>Analysis of E-3A survivability in the Central Region</i> , J. S. Baker, J. H. Bigelow, F. M. Cullen, W. F. Petry, A. R. Shaughan, J. H. Therrien, C. R. Turner	8	356	<i>Battlefield surveillance</i> , W. A. Tidwell (Technical Note)	5B	320
<i>Analysis of tactical air-to-air combat</i> , J. S. Attinello, C. W. Gardner, D. N. Beatty	1B	99	<i>Bomber defense study</i> , J. E. Acton (High-Energy Lasers)	7B	57
<i>Analysis of test range and combat weapon delivery accuracy</i> , J. E. Gibson, Jr., W. E. Maillard, C. V. Ferraro	5B	419	<i>Breakdown and laser absorption waves</i> , P. E. Nielsen (High-Energy Lasers)	7B	359
<i>Analysis of trends in Soviet theater nuclear capabilities and doctrine</i> , J. D. Douglass, Jr., W. T. Lee, R. S. Soll, A. M. Hoeber, J. A. Shannon	1C	95			
<i>Analysis of Vietnamization: measuring and explaining political influence</i> , W. G. Prince	6B	252	C		
<i>Analytic investigation of ABM defense employment, engagement, and penetration</i> , T. E. Sterne	3A	57	<i>Calculation of x-ray emission from nuclear devices</i> , D. K. Hall, W. A. Lokke, R. G. Nelson (limited distribution supplement to Volume 2A)	2A	S-1
<i>Analytical requirements for defense-suppression effects on CAS/BFI survivability</i> , W. R. Langridge (Defense Suppression)	7B-2	165	<i>Camp sentinel radar</i> , L. W. Bowles, W. H. Drury, J. H. Teale, J. L. Allen	1B	66
<i>Antitank warfare in Vietnam</i> , W. F. Warren	6B	205	<i>Channeling techniques</i> , W. A. White (Letters and Technical Notes)	1B	314
<i>Application of aerospace technology to small arms</i> , A. Ambrosio	5B	160	<i>Charge exchange leak</i> , J. B. Workman	1A	138
			<i>Chemical effects of laser irradiation</i> , M. R. Achter (High-Energy Lasers)	7B	490
			<i>Chemical infrared lasers</i> , W. R. Warren, Jr. (High-Energy Lasers)	7B	165
			<i>Chemical warfare status</i> , T. R. Dashiel	10	137

~~CONFIDENTIAL~~

Circumvention, L. D. Cotter, V. A. J. van Lint.....	2A	511	Crisis management, G. J. Eade (Crisis Management).....	77-1	31
CNO Project F/O 810 data base for evaluation of air operations in Southeast Asia; significant results of analysis, B. D. Dobbins, T. R. Evans, A. C. Tregida.....	2B	280	Crisis management: problems and perspectives, progress and prospects, R. A. Young (Crisis Management).....	77-1	1
Combat potential and utility of close-support aircraft, W. B. Payne (Guest Editorial).....	8	1	Crisis management: psychological and socio-logical factors in decision making, H. B. Shapiro (Crisis Management).....	77-1	145
Command and control of tactical air force in the NATO Central Region: a conceptual analysis, F. R. Naka, C. R. Cabell, Jr. (Tactical Command, Control, and Communications).....	78-1	12	Critical loads to destroy reentry vehicles with X-rays, blast, or directed beams, H. E. Lindberg.....	9	1
Comments on countermeasures to Soviet SAM, G. F. Steeg (Letters).....	4B	310	Cruise/dash propulsion systems for under-water vehicles, E. C. Gritton, W. H. Kruse, B. Pinkel (Small Submersibles).....	78-1	174
Comments on "Reactive Follow-Through Warheads," J. F. Proctor, (Letters).....	5B	230		D	
Comments on "R&D Perspective of Land Warfare," F. P. Henderson (Letters).....	4B	183	DCPG—the genesis of the concept, W. A. Nierenberg.....	1B	233
Comments on "SMASH," C. A. Fowler (Letters).....	4B	182	Decision-theoretic approach to predicting the timeliness of NATO response to an impending attack, R. V. Brown, C. W. Kelly III, R. S. Stewart, J. W. Urvila (Crisis Management).....	77-1	126
Comments on "Ten Lessons From Southeast Asia—and What We Have Done About Them," D. R. Cotter (Letters).....	1B	226	Decoy discrimination performance: requirements and capabilities, J. Rheinstein, K. P. Dunn.....	10	159
Comparative evaluation of space defense options, V. H. Reis, D. L. Briggs, B. J. Shanks, E. Graham (Space Defense).....	78-3	293	Defense suppression through disruption of command and control: vulnerability of SA-4 and SA-6 communications, E. H. Stones, Jr. (Defense Suppression).....	78-2	57
Comparison of predicted and observed wound ballistics estimates for rifle bullets, R. E. Carn, C. W. Gardner, W. E. Heaps, W. G. Lee, Jr.....	3B	170	Deployment of conventional airbase attack missiles in Europe: an assessment of effectiveness and cost, R. E. L. Johnson, Jr.	10	322
Comparison of U.S. and Soviet military RDT&E and space effort, D. A. Kahn, J. J. Delang.....	9	42	Design hardening techniques, R. J. Homsey, J. Greshock (High-Energy Lasers).....	7B	551
Computer technology for crisis management organizations, C. Fields (Crisis Management).....	77-1	171	Detection of submarine thermal signatures within the marginal ice zone using infrared scanning techniques, S. G. Tooma, H. Li, W. I. Wittmann.....	6B	494
COMTOA: precision location of continuous emitters, S. Stein.....	5B	146	Determination of pulsed electron beam generator energy spectra employing dynamic programming methods, M. S. Ash, L. M. Langsam.....	3A	130
Concept of dispersed SAM defense, T. F. Burke.....	2B	205	Deterrent value of ballistic missile defense, W. P. Leber.....	4A	658
Conceptualizing an integrated crisis warning system, S. J. Andriole, R. A. Young (Crisis Management).....	77-1	85	Development and deployment of an improved A-6 weapon system for attacking enemy radar sites, F. A. Dean.....	2B	308
Contributions of ASW to carrier task force defense, B. A. Becken.....	6B	1	Development and evaluation of the YOV-10D night observation gunship system, B. W. Farley.....	4B	196
Cost-effectiveness study of NATO force improvements, L. B. Anderson, J. Bracken, A. A. Malone, C. R. Gentzel, K. P. Heinze, C. Kittl, E. L. Schwartz, R. J. Shanker.....	8	343	Development of eight- and five-inch guided projectiles, C. A. Cooper.....	6B	149
Countering ECM threats to terminal BMD systems, W. D. Dickinson.....	9	297	Development of the N_2-CO_2 gas dynamic laser, G. W. Sutton (High-Energy Lasers).....	7B	10
Countermeasure of land mines and booby traps, F. B. Paca.....	4B	275	Development of a prototype crisis early warning system, S. J. Andriole, R. A. Young (Crisis Management).....	77-1	111
Countermeasure to location of pulse radars by time-of-arrival detection and location systems, G. F. VanBlaricum, J. E. Gerngross.....	6B	477	Development planning for defense suppression, S. H. Holliday (Defense Suppression).....	78-2	7
Countermeasures and transparent plastics for aircraft and helicopter crew enclosures, H. S. Schwartz (High-Energy Lasers).....	7B	565			

~~CONFIDENTIAL~~

DECLASSIFIED

Authority: EO 12958, as amended
Chief, Records & Declass Div, WHS

JUN 30 2008

JDR 369

~~CONFIDENTIAL~~

<i>Development status of low-Z transistors</i> , H. A. Eisen, R. B. Oswald, Jr., D. R. Schallhorn, T. R. Oldham.....		<i>Errata: ECHO range computer simulation of the Soviet Guideline missile (C)</i> , J. H. Dietz.....		8B 315
<i>Discriminants: their effectiveness as a function of system resources</i> , E. Brookner.....		<i>Errata: Effect of high-energy laser induced radome damage on antenna tracking system</i> , R. J. Papa, R. L. Taylor.....		10 269
<i>Distributed-array acoustic artillery-locating system</i> , J. W. Follin, Jr., A. M. Stone, D. A. Dods.....		<i>Erratum: Comments on "Ten Lessons From Southeast Asia—and What We Have Done About Them"</i> , D. R. Cotter.....		1B 319
<i>Dose enhancement from finite electron range effects</i> , W. L. Shanks, D. K. Wilson.....		<i>Estimated performance of the Soviet ZU-23 and ZSU-23-4 AA guns</i> , J. R. Transue (Technical Note).....		3B 353
<i>Dynamics of strong explosions in plasmas</i> , R. W. Kilb, P. L. Auer.....		<i>Evaluation of air combat parameters by manned simulation</i> , P. G. Millenschneider, C. R. James, Jr.....		4B 30
E				
<i>E-3A communications performance in an ECM environment</i> , J. H. Therrien, M. G. Vacherot.....		<i>Evaluation of space object identification imaging sensors</i> , V. H. Reis.....		8 319
<i>ECHO range computer simulation of the Soviet Guideline missile (C)</i> , J. H. Dietz.....		<i>Evolution of fleet defense in a countermeasures environment</i> , B. C. Wood, R. E. Hamilton, R. V. Talbot.....		6B 172
<i>ECHO range development program; description of hardware simulations; range capabilities and potential</i> , F. P. Goldbach, D. B. Staake.....		<i>Evolution of photoemissive night vision technology during the 1980 decade</i> , L. M. Biberman.....		9B 141
<i>Effect of high-energy laser-induced radome damage on antenna tracking systems</i> , R. J. Papa, R. L. Taylor.....		<i>Evolution of the data collection and processing subsystem of the infiltration interdiction system</i> , J. Dominitz, A. J. Milbert, D. R. Israel.....		1B 294
<i>Effect of nuclear weapons on theater forces</i> , F. J. Thomas (Technical Note).....		<i>Evolution of the gas dynamic laser</i> , W. A. Pinsley (High-Energy Lasers).....		7B 122
<i>Effectiveness evaluation of small arms</i> , G. G. Barnes, T. K. Roderburg.....		<i>Exoatmospheric sensor applications for BMD</i> , N. A. Passino, C. H. Horgen, W. C. Davies.....		9 215
<i>Effectiveness of artillery in suppression of air defenses</i> , D. Z. LaRochelle (Defense Suppression).....		<i>Expendable countermeasures for use in tactical electronic warfare</i> , R. P. Zimmer, T. M. Miller, W. P. Cooke, B. D. Wright.....		7B 1034
<i>Effects of atmospheric turbulence on high-power laser propagation</i> , J. A. Dowling (High-Energy Lasers).....		<i>Expendable harassment drones for selective defense suppression</i> , S. J. Colby, L. W. Jones (Defense Suppression).....		7B-2 94
<i>Electromagnetic propagation in a tropical environment</i> , T. W. Doeppner, G. H. Hagn, L. G. Sturgill.....		<i>Experimental evaluation of a high-performance interceptor heat shield</i> , J. M. Potts, W. A. Gray.....		2A 326
<i>Electromagnetic scattering from turbulent, ionized media</i> , F. Lane, J. Jarem.....		<i>Externally aided navigation and weapon-delivery systems</i> , R. Munk.....		3B 229
<i>Electromagnetic wave propagation in desert environments</i> , S. A. Musa.....		F		
<i>Electron and ion chemistry in flow fields</i> , M. G. Dunn, C. E. Treanor.....		<i>Fast-Val: summary report on the comparison of model with combat results</i> , J. R. Lind, K. Harris, S. G. Spring.....		6B 371
<i>Electro-optical countermeasures: off-axis deception technique and system considerations</i> , Z. Neumark, J. A. Ratkovic, J. N. Welner.....		<i>F-4G Wild Weasel</i> , M. McDonald (Defense Suppression).....		7B-2 86
<i>Emitter location and identification technology for precision strike</i> , J. N. Entzminger, Jr., J. Cruskie, E. Cossette (Defense Suppression).....		<i>F-14 in fleet air superiority</i> , M. V. Ciminneri, W. C. Hansen, H. H. Lowery.....		6B 87
<i>Engineering aspects of a guided gun for fighter aircraft</i> , T. E. Greene.....		<i>Field measurements for evaluation of terminal optics</i> , R. G. Menotti, F. A. Vicente.....		9 243
<i>Enhancement of laser survivability</i> , W. Goldberg (High-Energy Lasers).....		<i>Fireball striations</i> , J. B. Workman.....		3A 49
<i>Equipment and environment</i> , K. Lamar, W. S. Payne (Letters and Technical Notes).....		<i>FLIR and active television: a comparison of theoretical and experimental data</i> , L. M. Biberman.....		9 97
		<i>Foreword to TREE issue</i> , P. H. Haas.....		2A 449

~~CONFIDENTIAL~~

- Free-fall weapons delivery, R. Munk, R. J.*
Vaccaro.....
Fuel cells for small submersibles, B. Gitlow,
J. W. Schmitt (Small Submersibles).....
Fundamentals of over-the-horizon radar, L.
Wetzel.....
Future for scatterable land mines, W. R.
Schilling, W. H. Jacobson, Jr.....
Future possibilities, N. R. Augustine (Letters
and Technical Notes).....

G

- Game-theoretic model for defense of cities with*
mixed ABM/shelter options and mixed
warhead/decoy missile offense options, R.
H. Kupperman, H. A. Smith, J. K.
Borkman.....
Gases and aerosols for high-energy laser
countermeasures, K. Green, R. Wick, F.
Verderame, E. Stuebing, J. Pinto (High-
Energy Lasers).....
Generic and evolution of TOA concepts, H.
Davis.....
Geographic position locators: new concepts for
land-based navigation systems, M. R.
Gustavson, J. D. Salisbury.....
Ground-based laser, G. A. Ouellette, F. H.
Scammell (Space Defense).....
Ground electro-optical deep-space surveillance
(GEODSS), R. J. Bergemann (Space
Defense).....
Guidance design of the Soviet SA-6 surface-to-
air missile, F. W. Nesline, L. D. Bennett.....
Guidance technology and its role in limited-
response options, W. C. Yengst.....

H

- Hardening of a radio in-flight correction sys-*
tem, D. T. Doherty, J. Reinheimer, R. A.
Poll, K. E. Davies, V. A. J. van Lint.....
Hardening of satellite material systems, S. J.
Bahjak (High-Energy Lasers).....
Hardness assurance for the Minuteman III
guidance and control system, A. Anderman,
N. G. Skinker, G. C. Messenger, S. H.
Fitch, L. L. Tew.....
Helicopter vulnerability, R. D. Miller, W. S.
Thompson (High-Energy Lasers).....
Huber: an experiment in high-acceleration
boost for ballistic missile defense, C. R.
Smith.....
High-energy laser shipboard application, J.
G. Wilson (High-Energy Lasers).....
High-explosive warhead vulnerability study,
A. Gunther (High-Energy Lasers).....
High-power IR electric lasers, J. Daugherty
(High-Energy Lasers).....

- Historical account of the problems in mathe-*
matical modeling of SA-2 Guideline Mod 1
guidance dynamics (C), J. E. Hanson.....
HITVAL: a joint field test of antiaircraft gun
systems, J. A. Ross.....
Homing guidance for endoatmospheric ballistic
missile intercept, W. B. Browne.....
How to analyze a war without fronts: Vietnam
1965-72, T. C. Thayer.....
Hughes OH-6A quiet helicopter program,
N. B. Hirsch, H. W. Ferris.....
Hydrodynamic considerations in the design of
small submersible vehicles, C. Gazley, Jr.,
J. Areesty, W. S. King, E. R. Van Driest
(Small Submersibles).....

2B 342
 9 194
 2A 277
 7B 767
 5B 384
 7B-1 65

I

- Impact of advanced short range air-to-air*
missiles on the outcome of simulated dog-
fights between conventional and VIFF-type
Harriers, J. S. Attinello, V. D. Cohen.....
Implications of the War Powers Resolution of
1973 for crisis management, J. L. Foster
(Crisis Management).....

7B 633
 77-1 59

- Improved model for prediction of x-ray impulse*
theory, comparison with experiment, and
implications, S. L. Thompson, D. B.
Hayes, W. C. Lyons, A. J. Chabai, D. J.
McCloskey.....
Indications, warning, and crisis operations,
T. G. Belden (Crisis Management).....
Infrared background from ionospheric radi-
ation and scattering, D. H. Holland.....
Infrared detectors for cold backgrounds, A. F.
Milton.....
Integrated high-power optical system analysis,
D. Holmes, P. V. Avizonas (High-Energy
Lasers).....

1A 200
 77-1 75

- Interaction control technology for advanced*
BMD interceptors, D. F. Hopkins, D. W.
Harvey, R. Riviere.....
Interceptor propulsion technology, A. M.
Jacobs, P. W. Hill, S. E. Sweeney, D. J.
Sine.....
Introductory considerations on tactical nuclear
warfare, W. W. Carter (Technical Note).....
Introductory remarks on the special issue on
countermeasures against Soviet surface-to-
air missiles in Southeast Asia, L. Sullivan,
Jr.....

9 274
 2A 187
 2B 163

- IR projectile tracking system, H. M. Federhen,*
H. Kleiman.....

2B 253
 10 18

- Issues of exoatmospheric homing, L. D.*
Montague, C. E. Smith.....

2A 343

L

- Land-mobile ICBM systems, A. Schaffer, G.*
Aubert, H. Cooper, F. Parry, N. Kfoury.....

4A 761

~~CONFIDENTIAL~~

DECLASSIFIED JUN 30 2008

Authority: EO 12958, as amended
 Chief, Records & Declass Div, WHS

JDR 371

~~CONFIDENTIAL~~

<i>Large hydrofoil advanced development program</i> , R. J. Johnston, W. C. O'Neill.....	8	46	<i>Manned air combat simulation—an effectiveness wind tunnel</i> , W. P. Murden, J. P. Capellupo.....	4B	62
<i>Laser barrier materials for systems internal componentry</i> , D. L. Schmidt, R. W. Farmer (High-Energy Lasers).....	7B	605	<i>Manned simulation of conceptual laser systems</i> , R. J. LeVallee, R. L. Rhame (High-Energy Lasers).....	7B	48
<i>Laser-hardened infrared and electro-optical materials</i> , C. M. Phillipi (High-Energy Lasers).....	7B	576	<i>Manual model for strategic conflict analyses</i> , W. J. Schults.....	1A	149
<i>Laser-hardening of ceramic radomes</i> , R. W. Rice, W. G. D. Frederick (High-Energy Lasers).....	7B	580	<i>Marine Corps command and control systems</i> , H. C. Chase (Tactical Command, Control, and Communications).....	7B-1	22
<i>Laser-induced thermal stress fracture of ceramics</i> , R. W. Rice, J. J. Mecholsky, J. R. Spann (High-Energy Lasers).....	7B	506	<i>Materials hardening mechanisms of materials degradation</i> , E. J. Rolinski, W. Goldberg (High-Energy Lasers).....	7B	544
<i>Laser Paveway terminal guidance</i> , C. F. Bogg.....	8	93	<i>Mechanical effects from pulse loading</i> , J. D. Colton, B. S. Holmes (High-Energy Lasers).....	7B	517
<i>Laser-supported absorption waves</i> , S. Byron, E. L. Klosterman, R. B. Hall (High-Energy Lasers).....	7B	468	<i>Mechanical response of materials to pulsed radiation</i> , L. R. Hettche, R. R. Rudder (High-Energy Lasers).....	7B	459
<i>Laser-target interaction: thermal effects</i> , R. W. Conrad (High-Energy Lasers).....	7B	433	<i>Methodology for improving the strategic warning process</i> , R. F. Gerans (Crisis Management).....	77-1	98
<i>Laser vulnerability assessment code (LVAC)—definition I</i> , L. L. Doran, J. A. Keller (High-Energy Lasers).....	7B	417	<i>Methodology for survivability analysis of the defense communications system</i> , J. A. Krcek.....	3B	37
<i>Lethality of the SA-2 missile system (C)</i> , B. W. Woodford.....	2B	378	<i>Militia system analysis/evaluation</i> , A. H. Greene, J. L. Berube.....	3A	26
<i>Light armor</i> , M. L. Wilkins, C. F. Cline, C. I. Honodel.....	1B	321	<i>Military satellite communications applications</i> , P. D. Stogin (Tactical Command, Control, and Communications).....	7B-1	32
<i>Linear absorption and scattering in the atmosphere</i> , P. L. Kelley, R. W. Fenn, R. A. McClatchey, R. K. Long, H. Snelson, T. W. Walker (High-Energy Lasers).....	7B	311	<i>Militia weapon system for defense against armored columns</i> , H. T. Pansford (Technical Note).....	3B	529
<i>Logistics as a target system</i> , W. F. Whitmore (Technical Note).....	2B	179	<i>Miniature vehicle for space defense</i> , F. R. Folkerth (Space Defense).....	7B-3	209
<i>Long-wave infrared (LWIR) backgrounds</i> , B. D. Schurin, S. D. Price, T. L. Murdock (Space Defense).....	7B-3	110	<i>Missile-target intercept conditions in AIM VAL</i> , V. D. Cohen.....	10	258
<i>Long-wave infrared (LWIR) space surveillance</i> , J. Heintz (Space Defense).....	7B-3	79	<i>Mode control</i> , A. N. Chester (High-Energy Lasers).....	7B	214
<i>Long-wavelength infrared backgrounds</i> , J. S. Garing, A. T. Stair, Jr., R. W. Walker.....	1A	85	<i>Model for the sensitivity of effectiveness of exhaustion attacks</i> , B. J. Roscoe.....	3A	181
<i>Low-drag shapes for reentry decoys</i> , M. Vlajinac, J. E. Libby, P.-R. Wu.....	10	299	<i>More about sensor genesis</i> , R. F. Linsenmeyer (Letters and Technical Notes).....	2B	79
<i>Low-frequency location subsystem</i> , R. W. Cwirko, E. N. Munzer.....	5B	162	<i>Multilateration radar surveillance/strike system study</i> , J. N. Entsminger, Jr.....	7B	690
<i>Low-waterplane multihull ship: principles, status, and plans for naval development</i> , R. Leopold, R. S. Johnson, J. B. Hadler, P. Genalis.....	4B	207	N		
<i>LV code—definition II</i> , J. T. Klopcic (High-Energy Lasers).....	7B	420	<i>Nanosecond photography of thermomechanical shock elastic ripples</i> , R. Holland, D. L. Weaver.....	2A	546
			<i>Naval air combat maneuvering range</i> , J. H. Dietz, W. G. James, R. M. Shaw.....	2B	323
			<i>Naval overview of land and sea (NOLAS)</i> , F. J. Petrone (Technical Note).....	6B	193
			<i>Navigation systems for small submersibles</i> , E. St. George, Jr. (Small Submersibles).....	7B-1	255
			<i>Navy VTOL fighter system concepts</i> , J. B. Kusewitt, Jr.....	6B	329

~~CONFIDENTIAL~~

- Near-term concepts for a conventional space defense system, W. A. Grenard, O. E. Cathey, T. A. Baumbach, F. Godwin (Space Defense).....
 Need for flexible electronic countermeasures, R. G. Stokes.....
 New air-to-air weapon system, R. O. Hundley, D. L. Lamberson.....
 New concepts for high-energy lasers, S. G. Hadley, J. C. Rich (High-Energy Lasers).....
 New developments in electromagnetic energy beaming, E. J. Nalos.....
 New Horizons II—a special Air Force long-range planning study, J. E. Ralph.....
 New ideas, R. L. Garwin (Letters and Technical Notes).....
 New initiatives for command, control, communications, and intelligence, H. I. Davis (Tactical Command, Control, and Communications).....
 New radar detection systems for metal military targets, A. J. Eisenberger, J. A. Graff, G. F. Origlio.....
 New techniques for the TOA location of non-pulse emitters, J. R. Grindon.....
 Night sensor performance, A. H. Gillmer.....
 Night sensors for truck interdiction, L. M. Biberman, R. R. Legault.....
 Novel flechette munition for delivery by high-velocity rocket, M. B. Schaffer.....

O

- Observer and laser designator RPVs: Think Small, C. J. Malven, E. Eksaireb, P. G. McManigal.....
 On-board measurements during reentry, R. E. Kiel, G. F. Hohnstreiter, R. Watson, G. L. Grohs.....
 On the future of the tank, D. N. Frederickson.....
 Open-ocean sprinkle mining, R. A. Benneche.....
 Operational problems in U.S. field artillery systems, B. E. Huffman, Jr.....
 Operational reliability test of the M-16A1 rifle systems, G. E. James.....
 Optical techniques for space object identification, R. P. Urtz, Jr., J. W. Justice.....
 Other technologies, E. G. Fubini (Letters and Technical Notes).....
 Over-the-horizon backscatter radar technology, L. Baum.....
 Overview of current antisatellite programs, J. H. Kalish (Space Defense).....
 Overview of defense command, control, and communications (C³) systems, H. L. Yudkin.....
 Overview of several programs relating to the quantitative evaluation of air tactics, countermeasures, and antiaircraft weapon systems, A. R. Eaton.....

~~CONFIDENTIAL~~

DECLASSIFIED JUN 30 2008

Authority: EO 12958, as amended
Chief, Records & Declass Div, WHS

78-3	24+	Overview of space system survivability techniques, E. J. Beverly D. H. Quine, J. Reinheimer, J. Roth (Space Defense).....	78-3	327
2B	338	Overview of strike operations: past—present—and future, D. N. Beatty.....	5B	233
P				
3B	89	Parametric design/cost-effectiveness study of advanced forward-area air defense systems (AFAADS) gun systems, R. Farrell, S. Bonder.....	3B	275
7B	103	Particle beam technology for BMD, L. J. Havard, Jr., T. D. Hayward, T. W. Armstrong, T. G. Roberts.....	9	307
9	353	Passive laser countermeasure applications, K. F. Brettman, V. M. Kemp (High-Energy Lasers).....	7B	613
1B	310	Passive laser countermeasures for flight skins and structures, J. E. Cowling, S. R. Lyon (High-Energy Lasers).....	1B	588
78-1	71	Pave Gat: a flexible gun turret armament system for the B-57G, E. L. Cloud, K. C. Leonard, Jr.....	5B	397
6B	288	Phalanx, R. M. Cohen, G. Lasker, J. E. McSweeney, D. J. Trulin.....	4B	313
5B	196	Planning for problems in crisis management, L. Haslewood, J. J. Hayes, J. Brownell (Crisis Management).....	77-1	42
2B	97	Plumbicon design, L. G. Mundie (Letters and Technical Notes).....	2B	247
2B	216	Pointing and tracking for high-energy laser systems, L. Sher, B. F. Johnson (High-Energy Lasers).....	7B	259
3B	13	Potential countermeasure capabilities against electro-optical guided weapon systems, D. D. Kasparek (Defense Suppression).....	78-2	125
7B	709	Precision emitter-location system for Pave Nickel, D. Krausman, K. R. Cosgrove.....	5B	112
2A	396	Precision guided munitions for surface targets, H. A. Ory, M. B. Schaffer, B. F. Isenger, J. J. Kishel.....	7B	982
7B	953	Precursor formation and the blunt-body radar cross section during reentry, C. J. Bartlett, K. R. Edwards.....	1A	260
3B	1	Preface to the high-energy laser issue, E. T. Gerry.....	7B	1 (also in Volume 4A)
4B	129	Project Delta, J. G. Duffey, D. E. Spreen (High-Energy Lasers).....	7B	41
1B	30	Propagation limits of advanced air-defense weapons, V. H. Reis.....	8	329
8	279	Proportional lead guidance in the laser-aided rocket system, M. R. Yenger, L. J. Wroten.....	4B	116
1B	307	Propulsion for tactical missiles, P. C. Oliver.....	1B	368
8	187	Prospects for crisis management R & D, R. A. Young (Crisis Management).....	77-1	184
78-3	171		JDR 373	
4A	860			
2B	256			

~~CONFIDENTIAL~~

R

- Radar antiradar techniques, C. E. Muehe, D. Karp, J. C. Henry, M. Labitt, W. J. Ince (Defense Suppression)-----
 Radar observations of near-wake velocities, J. R. Pignataro-----
 Radar reentry data, L. R. Martin, T. O. Philips-----
 Radar scintillation after high-altitude nuclear bursts, E. E. Salpeter-----
 Radiation-hard high-energy firing circuit, R. A. Smith-----
 Radiation-induced failure of semiconductor device aluminum interconnects, D. W. Egelkraut-----
 Radiation-induced internal electromagnetic pulsar (IEMP), J. E. Tompkins, J. A. Rosado, J. M. Gilbert, W. L. Vault-----
 Radiation on reentry, B. Kivel-----
 Radiation vulnerability of magnetic cores, B. C. Passenheim, K. O. Downing, J. A. Naber, C. Vittora, N. Taslitt, V. Kenyon-----
 R&D perspective of land warfare, N. R. Augustine-----
 Reaction controls for interceptor missiles, D. B. Harmon-----
 Reaction from the field, E. W. Williamson (Letters and Technical Notes)-----
 Reactive follow-through warheads—a program report on testing, R. G. S. Sewell (Technical Note)-----
 Readiness to meet contingency requirements, N. Gaylor (Crisis Management)-----
 Real-time approach to radar tracking in a refractive environment, L. J. Fretwell-----
 Recent developments in high-burning-rate solid rocket propellants, B. J. Alley, L. R. Beeson-----
 Reentry vehicle and booster vulnerability, W. F. Bozich (High-Energy Lasers)-----
 Reentry vehicle roll control, D. H. Platuz-----
 Reference imagery for the scene matching area correlator, K. L. Hoffman, W. D. West, E. P. Matthews-----
 Remote autopilot missile for shipboard air defense, A. M. Wildberger-----
 Remotely piloted aircraft, R. H. Fisher-----
 Remotely piloted vehicle (RPV) communication and navigation, H. M. Federhen-----
 Reply to D. R. Colter commentary, L. Sullivan, Jr. (Letters to the Editor)-----
 Reply to Linsenmeyer letter, W. A. Nierenberg (Letters and Technical Notes)-----
 Reply to Steeg comments, A. R. Eaton (Letters)-----
 Research and development needs for military operations in overseas urban areas, W. S. Payne, J. G. Taylor-----

- Response of distended copper to x-ray-induced stress pulses, R. R. Boade-----
 Results of operational comparisons of some airborne night vision sensors, C. R. Lehner, Jr. (Technical Note)-----
 Review of maneuvering reentry systems development, J. F. Mullen-----
 Role and nature of space defense, J. J. Mate, Jr. (Space Defense)-----
 Role of combat simulation in the development of the F-14 weapon system, K. T. McQueen, E. P. Sweeney, J. W. Brundage-----
 Role of infrared technology in fleet defense, R. E. Jehle-----
 Role of space surveillance in support of the space defense task, P. T. Guttman (Space Defense)-----
 Role of the F-14/AWG-9/Phoenix in fleet air defense, J. E. Smith, G. G. O'Rourke-----

SA 142 .
 SB 235 .
 AA 721 .
 78-3 1
 6B 132
 6B 158
 78-3 14
 6B 421

S

- SAM-D missile development flight test planning and analysis, H. F. Eckeneroth, T. R. Driscoll, W. H. Gilbert, Jr.-----
 Sandia developments in tactical nuclear systems, M. M. Newsom, W. C. Myre-----
 Satellite vulnerability, V. M. Kemp (High-Energy Lasers)-----
 SC² for crisis control, J. C. Morgenstern (Crisis Management)-----
 Sea-control-ship air defense, J. R. Bloomer-----
 Seismic sensors, H. H. Patterson-----
 Sensor display and readout techniques for tactical applications, C. H. Stevens-----
 Sensors: from barriers to surveillance, S. J. Deltschman (Letters and Technical Notes)-----
 Sharem—a program to measure destroyer ASW readiness/effectiveness and support tactical development, T. Grzymala, F. C. Mead-----
 Short range attack missile design achievements versus requirements, R. E. Briscoe, H. D. McGraw, W. P. Hansen-----
 Significant concepts from the USAF AC-130 gunship program, B. W. Parkinson-----
 Site Defense system, J. Davidson-----
 Small-body low-drag hydrodynamics, R. Gulino, R. F. Mons (Small Submersibles)-----
 Small deep-diving-submersible design in relation to existing and future technology, P. Mandel, G. Rodenbusch (Small Submersibles)-----
 Small military submersible—history and future potential, R. M. Chapman, H. F. Grimm, Jr. (Small Submersibles)-----
 SMASH, G. H. Sigman, Jr.-----
 Solutions of a general class of field problems by the finite-element method, A. D. Carlson-----
 Some acquisition issues for tactical capabilities, R. Shishko-----

4B 250
 2B 67
 7B 400
 77-1 7
 6B 67
 1B 273
 1B 280
 1B 426
 6B 29
 4A 837
 4B 85
 4A 665
 76-1 97
 76-1 46
 76-1 1
 3B 521
 9 392
 6B 235

~~CONFIDENTIAL~~ DECLASSIFIED JUN 30 2008

Authority: EO 12958, as amended
 Chief, Records & Declass Div, WHS

~~CONFIDENTIAL~~

<i>Some considerations concerning small-submersible sensor systems for detection</i> , V. C. Anderson, R. A. Rasmussen (Small Submersibles)	76-1	201	<i>Systems challenges to TSEE research</i> , V. A. J. van Lint	2A	452
<i>Some observations on counterinfiltration</i> , J. R. Larkin, C. B. Dougherty	2B	47	T		
<i>Some remarks on tactical warfare</i> , A. M. Stone (Letter to the Editor)	4B	82	<i>TAC AVENGER—conception to maturity</i> , L. D. Welch, J. L. Pickitt	4B	22
<i>Some superficial effects from moving sources in a stratified fluid</i> , W. Munk, R. Callan, R. Dashen, J. Hirtle, J. Keller, J. Miles, W. Nierenberg, C. Wright, F. Zachariasen	1B	134	<i>"TAC-SIT" information system for NATO</i> , J. F. Egan (Tactical Command, Control, and Communications)	78-1	47
<i>Some test results from the ARPA quiet helicopter program</i> , R. C. Dumond (Technical Note)	3B	360	<i>Tactical air defense model (TADBM): a simulation of defense suppression</i> , H. J. McDonald (Defense Suppression)	78-2	33
<i>Some thoughts about the NATO command and control structure</i> , H. I. Davis	10	346	<i>Tactical air support against armor in a NATO war</i> , S. J. Deitchman	8	6
<i>Soviet threat to U.S. satellites</i> , J. C. Travis (Space Defense)	78-3	311	<i>Tactical command, control, and communications</i> , E. D. Greinke (Tactical Command, Control, and Communications)	78-1	1
<i>Space-based lasers for satellite defense</i> , T. O. Sullivan (Space Defense)	78-3	353	<i>Tactical command, control, and communications in the Army today</i> , W. J. Hillsman (Tactical Command, Control, and Communications)	78-1	6
<i>Space object imaging using coherent radar</i> , S. L. Borison, W. W. Camp, R. H. Kingston	8	219	<i>Tactical decision algorithms for modern air ASW weapon systems</i> , A. J. Greco, R. L. Doray	6B	46
<i>Space system survivability</i> , R. H. Kingsland	2A	499	<i>Tactical expendable drones for defense suppression</i> , O. H. Caperton, K. Kresa, R. B. Ross (Defense Suppression)	78-2	151
<i>Special air defense problems associated with low-altitude attacks</i> , J. J. Bagnall, Jr.	1B	215	<i>Tactical implications of long standoff ranges in antisubmarine warfare</i> , H. J. Doeblir	7B	1054
<i>Specific impulse produced by laser irradiation of solid surfaces</i> , D. C. Smith, A. F. Haught	3A	107	<i>Tactical nuclear deterrence</i> , W. S. Bennett	4B	146
<i>Standoff weapons for defense suppression systems</i> , C. T. Maney	5B	172	<i>Tactical potential and technical prospects for small submersibles</i> , J. S. Leonard, R. P. Norris (Small Submersibles)	76-1	27
<i>State of the art of reentry physics: introduction</i> , C. E. McLain	2A	1	<i>Tactical utility of forward-looking infrared systems</i> , B. Lapidus	2B	124
<i>Study of target visibility for balloon-borne radar in Southeast Asia</i> , G. A. R. Graham, A. H. Peterson	3B	205	<i>Target detection through visual recognition: a quantitative model and two applications</i> , H. H. Bailey	3B	54
<i>Summary of TACTICS computer simulation programs with new applications</i> , J. H. Hutcheson	4B	53	<i>Target discrimination using pattern recognition</i> , A. A. Grometstein, W. H. Schoendorff	10	271
<i>Summary review of aerodynamic considerations for carbon-carbon reentry vehicles</i> , R. C. Maydew, S. McAlees, Jr.	10	176	<i>Teal Amber I</i> , L. E. Dean, C. R. Johnson, H. J. Strasler (Space Defense)	78-3	151
<i>Supermaneuverability of fighter aircraft</i> , J. S. Attinello	2B	83	<i>Technical comparison of Decca, Loran-C and -D, and Omega Navigation Systems; applicability for military requirements</i> , J. P. Van Etten	2B	21
<i>Surveillance by satellite</i> , E. E. Lapin	8	169	<i>Techniques to precisely locate nonpulsed emitters—an overview</i> , L. J. Taylor, C. J. Haught	5B	350
<i>Survey of ground-vehicle armor and recommendations for future research</i> , M. B. Schaefer, P. W. Lindsey, L. Zernow	6B	321	<i>Technology and phenomenology of high-energy lasers: status, issues, and goals</i> , K. N. Seeber, A. C. Cron (High-Energy Lasers)	7B	16
<i>Survey of tactical communications problems, technology base, and future systems</i> , E. M. Pritchard	4B	329	<i>Technology contributions resulting from BMD development programs</i> , R. S. McCarter	4A	680
<i>Survey of tactical implications</i> , R. O. Hundley (High-Energy Lasers)	7B	7	<i>Technology of earth-penetrating weapons</i> , P. F. Hadala, D. R. Spangler, T. D. Stong	10	37
<i>Survivable tactical command and control</i> , D. Shore (Tactical Command, Control, and Communications)	78-1	57	<i>Ten lessons from Southeast Asia—and what we have done about them</i> , L. Sullivan, Jr.	1B	1
<i>Susceptibility of naval surface ships to high-energy laser radiation</i> , S. A. Metz (High-Energy Lasers)	7B	627	JDR 375		

~~CONFIDENTIAL~~

DECLASSIFIED

Authority: EO 12958, as amended
Chief, Records & Declass Div, WHS

JUN 30 2008

~~CONFIDENTIAL~~

Testing of the fleet air defense capabilities of the F-14A/Phoenix system in an ECM environment, G. M. Wrout, J. E. Hobson, M. White.....
 Theatre command, control, communication, and intelligence, H. I. Davis.....
 Theory of discrimination by wake velocity measurement, L. A. Hromas, W. H. Webb, L. Lees, R. J. Golik.....
 Theory of laser-target interaction, P. E. Nielsen, G. H. Canavan (High-Energy Lasers).....
 Thermal blooming of a skewed laser beam containing a stagnation zone: analytical model for the quasi-steady state, P. J. Berger.....
 Thermal coupling coefficients—experimental, J. T. Schriempf, R. R. Rudder (High-Energy Lasers).....
 Thermal distortion, S. Edelberg (High-Energy Lasers).....
 Thermal instabilities in chemical laser (DF) propagation, S. Altshuler.....
 Thermoelastic response of materials, laminates, and transistor models to a pulsed electron beam, D. R. Schallhorn, R. B. Orwald, Jr., T. R. Oldham.....
 TOA capabilities demonstrated on Naval Weapons Center ranges, R. C. Fletcher.....
 TOA/DME technology and application, J. Freeh, D. Signori, C. Stradling.....
 Tomahawk cruise missile, F. J. Michael.....
 Toward the formulation of national-level crisis management support requirements, W. M. Jones (Crisis Management).....
 Transient radiation effects on a radar fuze, O. J. Mead, Jr., R. R. Palmisano, P. A. Trimmer, F. W. Balicki.....
 Tunnel detection, C. Ravitaky.....
 Turbulence structure of reentry flow fields, A. Demetriades.....

U

UHF communications for small submersibles, N. E. Feldman, T. M. Rodriguez (Small Submersibles).....
 Ultimately useful guidance and geometrical indications, C. S. Draper.....
 Unintended ground sensors: epilogue or prologue? G. H. Greenleaf (Technical Note).....
 Uncertainties in defense-suppression systems, H. I. Davis (Defense Suppression).....
 Unconventional defense concepts, V. R. Trapani.....
 Unconventional interceptor, J. D. Billingsley, D. T. Cottingham, B. G. Goad, P. M. Kenner.....

Undersea surveillance in 1970's and 1980's, G. A. Carr.....
 Underwater communications for small submersibles, J. L. Trotter, B. Heilweil, G. C. Edwards, R. O. Cook (Small Submersibles).....
 Unique method for evaluating the performance of airborne radars, S. F. Hall, J. S. Prichard.....
 U.S. Army aircraft combat damage assessment program for the Republic of Vietnam environment, H. C. Smith.....
 U.S. Navy C&I Project F/O 210 flight test program: organization, methodology, and results, R. F. Gehrke.....
 United States/Soviet chemical warfare programs: imbalances, associated problems, recommended actions, J. D. Douglass, Jr., A. M. Hoeber.....
 Use of environmental acoustics in sonar system design, R. B. Lauer, C. D. Smith.....
 Use of thrust vector control on the AV-8A Harrier aircraft during close air combat, G. H. Saunders, T. M. Harris.....
 Users' guide to high-power mirrors, W. Gaumer, R. Dichtl, R. Bloomer (High-Energy Lasers).....

SB 191

OC-1 212

SB 373

SB 238

SB 268

9 341

10 55

7B 646

7B 249

V

6B 16
 9 164
 77-1 136
 2A 491
 1B 411
 2A 5
 5B 182
 6B 164
 Viewing and targeting enemy second-echelon formations, L. B. James, M. Cox.....
 Vulnerability assessments, N. F. Harmon (High-Energy Lasers).....
 Vulnerability considerations for the RALF electronics, J. P. Raymond, B. T. Ahlport.....
 Viability of antishipping missiles, R. Culpepper, R. Beyers, M. Hardy (High-Energy Lasers).....
 Vulnerability of reentry vehicles to pulsed lasers, (C) A. D. Abbott, E. G. Brock, G. J. Gross.....
 Vulnerability of tactical missiles, D. E. Spreen (High-Energy Lasers).....

5B 307

10 79

7B 384

2A 604

7B 392

SA 1

7B 397

W

78-2 1
 4A 868
 6B 445
 78-2 1
 4A 708
 2A 305
 Wake seeding and quenching, D. P. Duecos, J. A. Quinville, R. W. Chambers, L. Glatt.....
 Western European collateral damage from tactical nuclear weapons, S. T. Cohen, W. R. Van Cleave.....

2A 371

9 83

JUN 30 2008

~~CONFIDENTIAL~~

DECLASSIFIED

Authority: EO 12958, as amended
 Chief, Records & Declass Div, WHS