

UNCLASSIFIED

Cumulative Index, 1979-1981

Journal of Defense Research, Volumes 11 through 13

The following index shows the articles and their authors that appeared in the regular and special issues of the *Journal of Defense Research* during the publishing years 1979, 1980, and 1981, with the articles being listed by title and by principal author. By definition, the principal authors in this list are taken to be the persons whose names are shown first in the articles' title blocks. Coauthors' names are shown in their alphabetical order and are referred to the listing under the principal author's name. In general, our small supply of overrun copies for each issue is exhausted to requesters within a few weeks after the issue has been mailed to listed recipients. *Reproduction copies can be obtained in the usual way of receiving defense documents by contacting the Defense Technical Information Center (DTIC), Cameron Station, Alexandria, Virginia 22314.* The DTIC call numbers that have been assigned to individual issues of Volumes 11 through 13 and the special issues appearing during the years 1979 through 1981 are:

- Volume 11, Number 1, pages 1-106: AD C018-400
- Volume 11, Number 2, pages 107-288: AD C018-977
- Volume 11, Number 3, pages 289-368: AD C020-185
- Volume 11, Number 4, pages 369-478: AD C020-867
- Special Issue 79-1, Armored Fighting Vehicles: AD C021-067
- Volume 12, Number 1, pages 1-97: AD C021-819
- Volume 12, Number 2, pages 99-207: AD C022-566
- Volume 12, Number 3, pages 209-306: AD C023-202
- Volume 12, Number 4, pages 307-413: AD C024-177
- Volume 13, Number 1, pages 1-136: AD C025-113
- Volume 13, Number 2, pages 137-284: AD C026-588
- Volume 13, Number 3, pages 285-377: AD C026-810
- Volume 13, Number 4, pages 379-499: (not yet assigned)
- Special Issue 81-1, Command, Control, and Communications Countermeasures: AD C026-518
- Special Issue 81-2, Air Defense Against Cruise Missiles: (not yet assigned)

Articles appearing in special issues are noted in boldface type in the various entries.

A separately published *Cumulative Index (U), Volumes 1 Through 10, 1969-1978* was published and distributed as a supplement to Volume 11, Number 4 of the Journal. A limited number of original copies of that cumulative index are available to persons who are not on the Journal's regular distribution list through request to Ms. Ginger Motyka, Technical Information Office, Defense Advanced Research Projects Agency, 1400 Wilson Boulevard, Arlington, Virginia 22209. Since the cumulative list is classified at the level of Confidential, requesters must possess the necessary security clearances.

UNCLASSIFIED

JDR 493

4

UNCLASSIFIED

AUTHORS

Adams, R. L.
Development of an unconventional reentry configuration for decoy applications—
 Aldridge, E. C. (see Augustine, N. R.)
 Alexander, A. J.
The character and style of Soviet weapons design—
 Arbab, M., Gutierrez, L. T., Kocher, D. F.
A simulation model of the crisis action system—
 Augustine, N. R., Aldridge, E. C., Poole, W.
Defense against the U.S. cruise missile—
 Babers, D. M.
XM-1, main battle tank of the future (in *Armored Fighting Vehicles*)—
 Bagby, F. L., Bradley, C. D.
Advanced systems concepts (in *Armored Fighting Vehicles*)—
 Barnes, M. J. (see Leet, H. P.)
 Bayliss, E. T., Knittel, G. H.
Hemispheric-coverage radar—a new, highly mobile radar concept for artillery location and air surveillance—
 Bernard, A. D.
Manned-interceptor defense problems (in *Air Defense Against Cruise Missiles*)—
Unconventional defenses (in *Air Defense Against Cruise Missiles*)—
 Beusch, J. U., Cameron, A. G.
Jam-resistant secure voice communication (JRSVC)—
 Blase, E. F., Gogolewski, R. P., Viilu, A.
New initiatives in conventional munitions—
 Bohn, C. L., Manz, B. J., Cooper, A. F.
Methodologies for analyzing laser systems in a space defense role—
 Bradley, C. D. (see Bagby, F. L.)
 Bradley, R. W.
Communications jamming (in *Command, Control, and Communications Countermeasures*)—
 Briggs, D. L., Francois, R. E., Jr.
Radar clutter effects (in *Air Defense Against Cruise Missiles*)—
 Briggs, D. L.
Some cruise missile history: performance of the Allied defenses against the V-1 (appendix in *Air Defense Against Cruise Missiles*)—
 Brower, K. S. (see Kehoe, J. W.)
 Brown, W. M. (see Digenis, C. J.)
 Burdick, C. D.
BELCAD as a counter-C³ measure (in *Command, Control, and Communications Countermeasures*)—
 Burns, B. P.
Recent tank gun technology (in *Armored Fighting Vehicles*)—
 Cameron, A. G. (see Beusch, J. U.)
 Carayannopoulos, G. L. (see Dyjak, C. P.)

Vol.	Page	Caruthers, J. W. <i>Soviet digital signal processing research and technologies which have application to sonar</i> —	12 333
12	24	Cooper, A. F. (see Bohn, C. L.) Cossette, E. E. (see Cruskie, J. J.) Council, W. A., Swartz, E. E.	
12	319	<i>Signal acquisition system for C³ countermeasures</i> (in <i>Command, Control, and Communications Countermeasures</i>)—	81-1 107
13	90	Covington, T. G., McDonald, D. F. <i>Advanced technology test beds and field test programs for armored fighting vehicles</i> (in <i>Armored Fighting Vehicles</i>)—	
11	1	Cranford, C. R. (see Yeager, M. R.) Cruskie, J. J., Cossette, E. E., Glickstein, I. S. <i>Emitter location systems</i> (in <i>Command, Control, and Communications Countermeasures</i>)—	79-1 222
79-1	93	Curry, G. R. <i>Advanced weapon concepts for cruise missile defense</i> —	81-1 116
79-1	245	Decker, O. C., Petrick, E. N. <i>Component development for future combat vehicles</i> (in <i>Armored Fighting Vehicles</i>)—	
81-2	58	Deitchman, S. J. <i>Antiarmor systems in NATO: planning and prospects</i> —	12 288
81-2	67	Delaney, J. R., Meeks, M. L. <i>Radar propagation effects</i> (in <i>Air Defense Against Cruise Missiles</i>)—	
12	149	Delaney, W. P. <i>Description of the cruise missile detection technology program</i> (in <i>Air Defense Against Cruise Missiles</i>)—	81-2 19
11	409	Digenis, C. J., Brown, W. M., Gronroos, E. O. <i>Overview of the technical defense problems</i> (in <i>Air Defense Against Cruise Missiles</i>)—	81-2 7
12	80	Digenis, C. J., Brown, W. M., Gronroos, E. O. <i>New developments in ABM electronic countermeasures</i> —	81-2 3
81-1	225	Dodson, P. O. (see O'Hare, W. S.) Douglass, J. D., Jr., Hoeber, A. M.	
81-2	33	<i>The conventional-nuclear interface in Soviet strategy</i> —	12 43
81-2	72	Douglass, J. D., Jr., Shannon, J. A. <i>Automation in Soviet troop control</i> —	11 332
81-2	72	Dyjak, C. P., Longaker, P. R., Carayannopoulos, G. L. <i>Aerosols as an exoatmospheric optical countermeasure</i> —	13 363
81-1	285	Edden, F. E. <i>Distributed jamming system (DJS)</i> (in <i>Command, Control, and Communications Countermeasures</i>)—	81-1 188
79-1	124	Eichelberger, R. J. <i>Insensitive high explosives and propellants - Tank armor evolution</i> (in <i>Armored Fighting Vehicles</i>)—	13 469
		Ekaireb, E. (see Francis, W. L.) Entzinger, J. N., Jr. (see Zulch, D. I.)	79-1 115

UNCLASSIFIED

UNCLASSIFIED

Vol.	Page			
Federhen, H. M., Muehe, C. E., Spoerri, S. <i>The application of netted radars in support of tactical operations</i> —	12 209	<i>Counter mission analysis of Warsaw Pact C³ (in Command, Control, and Communications Countermeasures)</i> —	81-1	33
Fielding, J. C. <i>An infrared SAM defense possibility (in Air Defense Against Cruise Missiles)</i> —	81-2 49	<i>Protecting our tactical C³ systems from attack and exploitation (in Command, Control, and Communications Countermeasures)</i> —	81-1	333
Florence, G. P. <i>The escort/standoff and strategic application of C³ countermeasures (in Command, Control, and Communications Countermeasures)</i> —	81-1 134	<i>Jordan, W. E., Jr.</i> <i>Submarine air defense missile system technology program</i> —	11	159
Fowle, E. N., Key, E. L., Millar, R. I., Sear, R. H. <i>The enigma of the AN/FPS-95 OTH radar</i> —	11 289	<i>Kahn, D. A.</i> <i>Cruise missile penetration of Soviet air defenses—candidate second-generation cruise missile characteristics</i> —	12	113
Francis, W. L., Ekaireb, E. <i>Electro-optical pods for single-seat night attack</i> —	13 1	<i>(also see Schultis, W. J.)</i> <i>Kalbaugh, D. V.</i> <i>Tomahawk antiship cruise missile and OTH targeting—part I: Tomahawk status and history</i> —	13	379
Francois, R. E., Jr. <i>Terrain masking effects (in Air Defense Against Cruise Missiles)</i> —	81-2 9	<i>Karam, J. T., Jr.</i> <i>Autonomous terminal homing—providing new, nonnuclear options</i> —	11	202
(also see Briggs, D. L.)		<i>Kehoe, J. W., Brower, K.S.</i> <i>U.S. and Soviet weapon system design practices</i> —	13	405
Fredericksen, D. N., Viilu, A. <i>A comparison of U.S. and Soviet tanks and tank-related developments (in Armored Fighting Vehicles)</i> —	79-1 15	<i>Kendall, W. B., Rihaczek, A. W.</i> <i>Enhanced radar system performance by target motion resolution processing</i> —	11	355
French, J. A. <i>Terminally guided submissiles technology and applications</i> —	11 252	<i>Kenneally, W. J.</i> <i>Detection of stationary tactical units using MTI radar (in Command, Control, and Communications Countermeasures)</i> —	81-1	79
Frostic, F. L. <i>Quality versus quantity in tactical fighter forces</i> —	13 285	<i>Key, E. L.</i> <i>Approaches to the countering of Warsaw Pact command, control, and communications systems (in Command, Control, and Communications Countermeasures)</i> —	81-1	5
Gardner, K. L. (see Leet, H. P.)		<i>(also see Fowle, E. N.)</i> <i>Keys, J. G., Swartz, E. E.</i> <i>IFF/ATC beacon electronic countermeasures (in Command, Control, and Communications Countermeasures)</i> —	81-1	179
Gaulding, S. N. <i>The microvector processor: a programmable digital signal processor technology for remote ASW surveillance applications</i> —	13 352	<i>Kleiman, H. (see Parenti, R. R.)</i> <i>Klug, R. F.</i> <i>Soviet radio electronic combat capability (in Command, Control, and Communications Countermeasures)</i> —	81-1	318
Glickstein, I. S. (see Cruskie, J. J.)		<i>Knight, J. M.</i> <i>Meeting antiradecide requirements in tactical air target identification</i> —	11	459
Goddard, S., Lehner, C. R. <i>DARPA liquid propellant gun programs (in Armored Fighting Vehicles)</i> —	79-1 195	<i>Knittel, G. H. (see Bayliss, E. T.)</i> <i>Kocher, D. F. (see Arbab, M.)</i> <i>Kovar, J. J. (see Leet, H. P.)</i> <i>Leet, H. P., Gardner, K. L., Kovar, J. J., Barnes, M. J.</i> <i>Automatic ship classification development at the Naval Weapons Center</i> —	13	327
Gogolewski, R. P. (see Blase, E. F.)		<i>Longaker, P. R. (see Dyjak, C. P.)</i> <i>Manz, B. J. (see Bohn, C. L.)</i>		
Gragg, B. B. <i>Bomber force launch survivability</i> —	11 438			
Gronroos, E. O. (see Digenis, C. J.)				
Gutierrez, L. T. (see Arbab, M.)				
Hahn, W. D., Parry, S. H., Selvitelle, M. D., West, W. D. <i>Contributions of agility to survivability (in Armored Fighting Vehicles)</i> —	79-1 141			
Hall, J. F. <i>Copperhead: the evolution of a revolutionary weapon</i> —	13 184			
Heebner, D. R. <i>On countering Soviet Navy command, control, and communications (in Command, Control, and Communications Countermeasures)</i> —	81-1 47			
Hoeber, A. M. (see Douglass, J. D., Jr.)				
Hunt, I. A., Jr. (see Starry, D. A.)				
Jacobs, J. F., Page, W., Jr.				

UNCLASSIFIED

JDR 495

UNCLASSIFIED

Masaitis, C.				
<i>Armor and mobility tradeoff (in Armored Fighting Vehicles)</i>				
Mayersak, J. R.				
<i>The armor response—precision guided munitions</i>				
McCormick, C. G., Menges, J. K.				
<i>Expendable jammer applications against CS systems (in Command, Control, and Communications Countermeasures)</i>				
McDonald, D. F. (see Covington, T. G.)				
McElroy, D. R., Jr. (see Seay, T. S.)				
Meeks, M. L. (see Delaney, J. R.)				
Meerdink, K. J., Yamauchi, T. T.				
<i>E-3X—a potential CSCM system platform (in Command, Control, and Communications Countermeasures)</i>				
Mellenger, T. H.				
<i>Effectiveness of jamming AAA and SAM communications links (in Command, Control, and Communications Countermeasures)</i>				
Menges, J. K. (see McCormick, C. G.)				
Michalowicz, J. V., Minneman, M. J., Parks, W. G.				
<i>Evaluation of nuclear artillery battery coverage</i>				
Millar, R. I. (see Fowle, E. N.)				
Miller, J.				
<i>A status report on CW chemical laser technology</i>				
Minneman, M. J. (see Michalowicz, J. V.)				
Muehe, C. E. (see Federhen, H. M.)				
Nunn, W. R., Oberle, R. A.				
<i>Modeling air combat maneuvering engagements</i>				
Oberle, R. A. (see Nunn, W. R.)				
O'Hare, W. S., Dodson, P. O.				
<i>A functional description of the Rivet Fire system (in Command, Control, and Communications Countermeasures)</i>				
Page, W., Jr. (see Jacobs, J. F.)				
Parenti, R. R., Kleiman, H.				
<i>Considerations in IR autonomous acquisition</i>				
Parks, W. G. (see Michalowicz, J. V.)				
Parry, S. H. (see Hahn, W. D.)				
Petrick, E. N. (see Decker, O. C.)				
Poole, W. (see Augustine, N. R.)				
Poppe, R. T.				
<i>High-energy laser weapons: why and when</i>				
Porter, E. H., Jr.				
<i>Potential fleet ballistic missile accuracy using inertial equipment (Technical Note)</i>				
Reis, V. H.				
<i>Close air support systems: a first-order analysis</i>				
<i>Effectiveness of terminal surface-to-air missile systems against cruise missiles: different views</i>				
Vol. Page		Renius, O.		
79-1 50		<i>Countersurveillance techniques (in Armored Fighting Vehicles)</i>	79-1	155
		Ricciardi, N. A. (see Urkowitz, H.)		
11 61		Rihaczek, A. W. (see Kendall, W. B.)		
		Ritter, J. C.		
		<i>Radiation hardening of satellite systems</i>	11	26
		Ruquist, R. D., Sutton, G. W.	11	88
		<i>Ground-based laser engagement analysis</i>		
81-1 163		Schultis, W. J., Kahn, D. A.		
		<i>Cruise missile and bomber penetration of Soviet air defenses—nationwide force analysis</i>	11	107
		Sear, R. H. (see Fowle, E. N.)		
		Seay, T. S., McElroy, D. R., Jr.		
		<i>The LES-8/9 program</i>	11	369
		Selvitelle, M. D. (see Hahn, W. D.)		
81-1 206		Shannon, J. A. (see Douglass, J. D., Jr.)		
		Sheehan, E. J., Travesky, P. D.		
		<i>Armored fighting vehicles: current capabilities and limitations; night fighting capabilities (in Armored Fighting Vehicles)</i>	79-1	67
		Spoerri, S. (see Federhen, H. M.)		
81-1 271		Starry, D. A., Hunt, I. A., Jr.		
		<i>The role of armor in modern battle (in Armored Fighting Vehicles)</i>	79-1	3
13 479		Stiglitz, I. G.		
		<i>A precision guided weapons approach to command and control countermeasures</i>	11	231
12 261		Sutton, G. W. (see Ruquist, R. D.)		
		Swartz, E. E. (see Council, W. A.; also see Keys, J. G.)		
		Thomas, A. N.		
		<i>Air defense Assault Breaker—effective, affordable, and available</i>	13	241
12 196		Travesky, P. D. (see Sheehan, E. J.)		
		Urkowitz, H., Ricciardi, N. A.		
		<i>Classification experiments with simulated upgraded BMEWS radars</i>	13	60
81-1 243		Viiu, A. (see Blase, E. F.; also see Frederickson, D. N.)		
		Walsh, D. W.		
		<i>High-energy lasers for ballistic missile defense</i>	12	250
12 171		Weiner, S. D.		
		<i>Ballistic missile defense of a multiple aim-point MX system</i>	11	418
		West, W. D. (see Hahn, W. D.)		
		Wiener, T. F.		
		<i>Strategic laser communications</i>	13	315
12 390		Willhoff, G. S.		
		<i>Simulator-aided design and evaluation of a communications jammer (in Command, Control, and Communications Countermeasures)</i>	81-1	252
13 275		Willis, N. J.		
		<i>Bistatic radar: a review and update</i>	13	137
12 99		Yamauchi, T. T. (see Meerdink, K. J.)		
		Yeager, M. R., Cranford, C. R.		
12 307		<i>Command, control, and communications countermeasures munitions (in Command,</i>		

UNCLASSIFIED

Control, and Communications Countermeasures)	Vol. 81-1	Page 295	Close air support systems: a first-order analysis, V. H. Reis	12 99
Zulch, D. I., Entzinger, J. N., Jr. <i>Command, control, communications countermeasures (C³CM), target location and classification/identification (in Command, Control, and Communications Countermeasures)</i>	81-1	58	<i>Command, control, and communications countermeasures munitions, M. R. Yeager, C. R. Cranford (Command, Control, and Communications Countermeasures)</i>	81-1 295
 TITLES				
<i>Advanced systems concepts, F. L. Bagby, C. D. Bradley (Armored Fighting Vehicles)</i>	79-1	245	<i>Comparison of U.S. and Soviet tanks and tank-related developments, D. N. Frederickson, A. Viiliu (Armored Fighting Vehicles)</i>	79-1 15
<i>Advanced technology test beds and field test programs for armored fighting vehicles, T. G. Covington, D. F. McDonald (Armored Fighting Vehicles)</i>	79-1	222	<i>Component development for future combat vehicles, O. C. Decker, E. N. Petrick (Armored Fighting Vehicles)</i>	79-1 169
<i>Advanced weapon concepts for cruise missile defense, G. R. Curry</i>	13	35	<i>Considerations in IR autonomous acquisition, R. R. Parenti, H. Kleiman</i>	12 171
<i>Aerosols as an exatmospheric optical countermeasure, C. P. Djak, P. R. Longaker, G. L. Carayannopoulos</i>	13	363	<i>Contributions of agility to survivability, W. D. Hahn, S. H. Parry, M. D. Selvitelle, W. D. West (Armored Fighting Vehicles)</i>	79-1 141
<i>Air defense Assault Breaker—effective, affordable, and available, A. N. Thomas</i>	13	241	<i>Conventional-nuclear interface in Soviet strategy J. D. Douglass, Jr., A. M. Hoeber</i>	12 43
<i>Antiaarmor systems in NATO: planning and prospects, S. J. Deitchman</i>	12	288	<i>Copperhead: the evolution of a revolutionary weapon, J. F. Hall</i>	13 184
<i>Application of netted radars in support of tactical operations, H. M. Federhen, C. E. Muehe, S. Spoerri</i>	12	209	<i>Countering Soviet Navy command, control, and communications, D. R. Heebner (Command, Control, and Communications Countermeasures)</i>	81-1 47
<i>Approaches to the countering of Warsaw Pact command, control, and communications systems, E. L. Key (Command, Control, and Communications Countermeasures)</i>	81-1	5	<i>Counter mission analysis of Warsaw Pact C³, J. F. Jacobs, W. Page, Jr. (Command, Control, and Communications Countermeasures)</i>	81-1 33
<i>Armor and mobility tradeoff, C. Masaitis (Armored Fighting Vehicles)</i>	79-1	50	<i>Countersurveillance techniques, O. Renius (Armored Fighting Vehicles)</i>	79-1 155
<i>Armor response—precision guided munitions, J. R. Mayersak</i>	11	61	<i>Cruise missile and bomber penetration of Soviet air defenses—nationwide force analysis, W. J. Schultis, D. A. Kahn</i>	11 107
<i>Armored fighting vehicles: current capabilities and limitations; night fighting capabilities, E. J. Sheehan, P. D. Travesky (Armored Fighting Vehicles)</i>	79-1	67	<i>Cruise missile history: performance of the Allied defenses against the V-1, D. L. Briggs (appendix to Air Defense Against Cruise Missiles)</i>	81-2 72
<i>Automatic ship classification development at the Naval Weapons Center, H. P. Leet, K. L. Gardner, J. J. Kovar, M. J. Barnes</i>	13	327	<i>Cruise missile penetration of Soviet air defenses—candidate second-generation cruise missile characteristics, D. A. Kahn</i>	12 113
<i>Automation in Soviet troop control, J. D. Douglass, Jr., J. A. Shannon</i>	11	332	<i>DARPA liquid propellant gun programs, S. Goddard, C. R. Lehner (Armored Fighting Vehicles)</i>	79-1 195
<i>Autonomous terminal homing—providing new, nonnuclear options, J. T. Karam, Jr.</i>	11	202	<i>Defense against the U.S. cruise missile, N. R. Augustine, E. C. Aldridge, W. Poole</i>	11 1
<i>Ballistic missile defense of a multiple aim-point MX system, S. D. Weiner</i>	11	418	<i>Description of the cruise missile detection technology program, W. P. Delaney (Air Defense Against Cruise Missiles)</i>	81-2 7
<i>BELCAD as a counter-C³ measure, C. D. Burdick (Command, Control, and Communications Countermeasures)</i>	81-1	285	<i>Detection of stationary tactical units using MTI radar, W. J. Kenneally (Command, Control, and Communications Countermeasures)</i>	81-1 79
<i>Bistatic radar: a review and update, N. J. Willis</i>	13	137		
<i>Bomber force launch survivability, B. B. Gragg</i>	11	438		
<i>Character and style of Soviet weapons design, A. J. Alexander</i>	12	319		
<i>Classification experiments with simulated upgraded BMEWS radars, H. Urkowitz, N. A. Ricciardi</i>	13	60		

UNCLASSIFIED

JDR 497

UNCLASSIFIED

<i>Development of an unconventional reentry configuration for decoy applications</i> , R. L. Adams		<i>Jam-resistant secure voice communication (JRSVC)</i> , J. U. Beusch, A. G. Cameron —	12	149
<i>Distributed jamming system (DJS)</i> , F. E. Edden (Command, Control, and Communications Countermeasures)	12 24	<i>LES-8/9 program</i> , T. S. Seay, D. R. McElroy, Jr. —	11	369
<i>E-3X—a potential C3CM system platform</i> , K. J. Meerdink, T. T. Yamauchi (Command, Control, and Communications Countermeasures)	81-1 188	<i>Manned-interceptor defense problems</i> , A. D. Bernard (Air Defense Against Cruise Missiles) —	81-2	58
<i>Effectiveness of jamming AAA and SAM communications links</i> , T. H. Mellenger (Command, Control, and Communications Countermeasures)	81-1 206	<i>Meeting antirattricide requirements in tactical air target identification</i> , J. M. Knight —	11	459
<i>Effectiveness of terminal surface-to-air missile systems against cruise missiles: different views</i> , V. H. Reis	81-1 271	<i>Methodologies for analyzing laser systems in a space defense role</i> , C. L. Bohn, B. J. Manz, A. F. Cooper —	12	80
<i>Electro-optical pods for single-seat night attack</i> , W. L. Francis, E. Ekaireb	12 307	<i>Microvector processor: a programmable digital signal processor technology for remote ASW surveillance applications</i> , S. N. Gaulding —	13	352
<i>Emitter location systems</i> , J. J. Cruskie, E. E. Cossette, I. S. Glickstein (Command, Control, and Communications Countermeasures)	13 1	<i>Modeling air combat maneuvering engagements</i> , W. R. Nunn, R. A. Oberle —	12	196
<i>Enhanced radar system performance by target motion resolution processing</i> , W. B. Kendall, A. W. Rihaczek —	81-1 116	<i>New developments in ABM electronic countermeasures</i> , C. J. Digenis, W. M. Brown, E. O. Gronroos —	12	1
<i>Enigma of the AN/FPS-95 OTH radar</i> , E. N. Fowle, E. L. Key, R. I. Millar, R. H. Sear —	11 355	<i>New initiatives in conventional munitions</i> , E. F. Blase, R. P. Gogolewski, A. Viiliu —	11	409
<i>Escort/standoff and strategic application of C³ countermeasures</i> , G. P. Florence (Command, Control, and Communications Countermeasures)	11 289	<i>Overview of the technical defense problems</i> , W. P. Delaney (Air Defense Against Cruise Missiles) —	81-2	3
<i>Evaluation of nuclear artillery battery coverage</i> , J. V. Michalowicz, M. J. Minneman, W. G. Parks —	81-1 134	<i>Potential fleet ballistic missile accuracy using inertial equipment</i> , E. H. Porter, Jr. (Technical Note) —	13	275
<i>Expendable jammer applications against C³ systems</i> , C. G. McCormick, J. K. Menges (Command, Control, and Communications Countermeasures)	13 479	<i>Precision guided weapons approach to command and control countermeasures</i> , I. G. Stiglitz —	11	231
<i>Functional description of the Rivet Fire system</i> , W. S. O'Hare, P. O. Dodson (Command, Control, and Communications Countermeasures)	81-1 163	<i>Protecting our tactical C³ systems from attack and exploitation</i> , R. W. Jacobus (Command, Control, and Communications Countermeasures) —	81-1	333
<i>Ground-based laser engagement analysis</i> , R. D. Ruquist, G. W. Sutton —	11 88	<i>Quality versus quantity in tactical fighter forces</i> , F. L. Frostic —	13	285
<i>Hemispheric-coverage radar—a new, highly mobile radar concept for artillery location and air surveillance</i> , E. T. Bayliss, G. H. Knittel —	81-1 243	<i>Radar clutter effects</i> , D. L. Briggs, R. E. Francois, Jr. (Air Defense Against Cruise Missiles) —	81-2	33
<i>High-energy laser weapons: why and when</i> , R. T. Poppe —	12 364	<i>Radar propagation effects</i> , J. R. Delaney, M. L. Meeks (Air Defense Against Cruise Missiles) —	81-2	19
<i>High-energy lasers for ballistic missile defense</i> , D. W. Walsh —	12 390	<i>Radiation hardening of satellite systems</i> , J. C. Ritter —	11	26
<i>IFF/ATC beacon electronic countermeasures</i> , J. G. Keys, E. E. Swartz (Command, Control, and Communications Countermeasures)	12 250	<i>Recent tank gun technology</i> , B. P. Burns (Armored Fighting Vehicles) —	79-1	124
<i>Infrared SAM defense possibility</i> , J. C. Fielding (Air Defense Against Cruise Missiles) —	81-1 179	<i>Role of armor in modern battle</i> , D. A. Starry, I. A. Hunt, Jr. (Armored Fighting Vehicles) —	79-1	3
<i>Insensitive high explosives and propellants</i> , R. J. Eichelberger —	81-2 49	<i>Signal acquisition system for C³ countermeasures</i> , W. A. Council, E. E. Swartz (Command, Control, and Communications Countermeasures) —	81-1	107
	13 469	<i>Simulation model of the crisis action system</i> , M. Arbabi, L. T. Gutierrez, D. F. Kocher —	13	90
		<i>Simulator-aided design and evaluation of a communications jammer</i> , G. S. Willhoff (Command, Control, and Communications Countermeasures) —	81-1	252
		<i>Soviet digital signal processing research and technologies which have application to sonar</i> , J. W. Caruthers —	12	333

UNCLASSIFIED

UNCLASSIFIED

<i>Soviet radio electronic combat capability</i> , R. F. Klug (Command, Control, and Communications Countermeasures) _____	81-1	318	<i>Terrain masking effects</i> , R. E. Francois, Jr. (Air Defense Against Cruise Missiles) _____	81-2	9
<i>Status report on CW chemical laser technology</i> , J. Miller _____	12	261	<i>Tomahawk antiship cruise missile and OTH targeting—part I: Tomahawk status and history</i> , D. V. Kalbaugh _____	13	379
<i>Strategic laser communications</i> , T. F. Wiener— <i>Submarine air defense missile system technology program</i> , W. E. Jordan, Jr. _____	13	315	<i>Unconventional defenses</i> , A. D. Bernard (Air Defense Against Cruise Missiles) _____	81-2	67
<i>Tank armor evolution</i> , R. J. Eichelberger (Armored Fighting Vehicles) _____	11	159	<i>U.S. and Soviet weapon system design practices</i> , J. W. Kehoe, K. S. Brower _____	13	405
<i>Terminally guided submissiles technology and applications</i> , J. A. French _____	79-1	115	<i>KM-1, main battle tank of the future</i> , D. M. Babers (Armored Fighting Vehicles) _____	79-1	93
		11	252		