

RECORDS TRANSMITTAL AND RECEIPT

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PAGE 1 OF 1 PAGES

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FPMR 101-11.410-1

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2. AGENCY TRANSFER AUTHORIZATION	TRANSFERRING AGENCY OFFICIAL (Signature and title) <i>[Signature]</i> WHS Records Administrator	DATE 21 Jan 81
3. AGENCY CONTACT	TRANSFERRING AGENCY LIAISON OFFICIAL (Name, office and telephone No.) Deborah Mitchell, Records Control & Management Assistant, DARPA Admin Office, 694-3998 1/21/81	
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Department of Defense
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LOCATION:		
VERIFIED	SIGNATURE	DATE
Schedule		
Shelving		Field line

RECORDS DATA

ACCESSION NUMBER			VOLUME (cu. ft.)	AGENCY BOX NUMBERS	SERIES DESCRIPTION (With inclusive dates of records)	RESTRICTION	DISPOSAL AUTHORITY (Schedule and item number)	DISPOSAL DATE	COMPLETED BY RECORDS CENTER			
RG (a)	FY (b)	NUMBER (c)							LOCATION (j)	SHELF PLAN (k)	CONT. TYPE (l)	DISP. (m)
330	81	0431	10		R&D Studies sponsored by ARPA/ Materials Sciences Division, Defense Sciences Office 1972-1979	R	OSD Admin Instr 15 Category #1306-02	Perm. Make available to NARS when 25 years old				
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LOCATION:	03/79:31-5-5	SAN
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Shelving	<i>[Signature]</i>	2/23/81

Standard Form 135 (Rev. 6-76)
Prescribed by GSA
FPMR (41 CFR) 101-11.4

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RECORDS TRANSMITTAL AND RECEIPT (Continuation)				This form is to continue listing of Records Data when space on SF 135 is not adequate. Instruc- tions for completion of SF 135 apply.				TRANSFERRING AGENCY'S NAME DARPA/DSO-MSD		DATE		PAGE 2 9 PAGES	
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330	81	0431	10	1	<p><u>BOX #1</u></p> <p>AO 2415-16 BACKGROUND INFORMATION: IR-Laser Window Materials (75-79)</p> <p>AO 2415 Laser Window Surface Finishing & Coating Technology - Contract #F19628-75-C-0135 (75-76)</p> <p>AO2415 Pennsylvania State University F19628-73-C-0219 (75-76)</p> <p><u>BOX #2</u></p> <p>AO 2415 Coating Science & Technology Pennsylvania State University Contract F19628-73-C-0219 (75-77)</p> <p>AO 2415 Advanced Techniques for Improving Laser Optical Surfaces Raytheon Research Division Contract F19628-73-C-0280 (75-77)</p> <p>AO 2416 A Study of Forging, Coatings & Optical Testing of Transparent Optical Materials for HEL & FLIR Honeywell Inc Contract DAHC 15-73-C-0464 (75-77)</p>								

RECORDS TRANSMITTAL AND RECEIPT (Continuation)				This form is to continue listing of Records Data when space on SF 135 is not adequate. Instruc- tions for completion of SF 135 apply.		TRANSFERRING AGENCY'S NAME DARPA/DSO-MSD		DATE		PAGE 3		9 PAGES	
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330	81	0431	10	3	<u>BOX #3</u> AO 2415 Infrared Laser Window Coating by Plasma Polymerization University of California-Berkeley Contract F19628-75-C-0097 (75-78) AO 2055 Research on Materials for High Power Laser Windows Massachusetts Institute of Technology Contract F19628-72-C-0304 (72-74) AO 2055 IR Window Studies Univ of Southern Calif Contract F19628-76-C-0162 (76-78)								
				4	<u>BOX #4</u> AO 2824 IR Laser Window University of Dayton Contract F33615-75-C-0511 (75-79) AO 2669 Fabrication Process Develop- ment of Alkaline Earth Fluorides for High Power Laser Windows Raytheon Research Division Contract F33615-76-C-0279 (76-79) AO 2620 Optical Materials Character- ization - National Bureau of Stds 9750400.1311 RDT&E (75-78)								

RECORDS TRANSMITTAL
AND RECEIPT
(Continuation)

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TRANSFER TO AGENCY'S NAME

DATE

PAGE

4

9

PAGES

DARPA/DSO-MSD

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130	81	0431	10		<p><u>BOX #4</u> (continued)</p> <p>AO 3154 Lasers in Space Program Naval Weapons Center 9780400.1311 RDT&E (75-78)</p> <p>AO 3242 Optical Coatings Northrop Contract N00123-76-C-1321 (76-78)</p>							
				5	<p><u>BOX #5</u></p> <p>AO 1180 Laser Window Studies Raytheon Contract DAAH01-74-C-0719 (74-78)</p> <p>AO 1256 Halide Window Materials Technology - Hughes Research Lab Contract F29601-71-C-0101 (71-77)</p> <p>AO 2175 Investigative Material Systems for Mirrors used in High Power CO & CO₂ Lasers - Battelle Northwest Contract N00123-72-C-2215 (72-77)</p> <p>AO 169 Studies of High Power Optical Materials Xonics, Inc. Contract DAHC15-73-C-0127(73-77)</p>							

RECORDS TRANSMITTAL AND RECEIPT (Continuation)				This form is to continue listing of Records Data when space on SF 135 is not adequate. Instruc- tions for completion of SF 135 apply.		TRANSFERRING AGENCY'S NAME DARPA/DSO-MSD		DATE		PAGE 5		9 PAGES	
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130	81	0431	10	6	<p><u>BOX #6</u></p> <p>AO 2031 Studies on Alkali Halide Windows - US Naval Research Lab Contract: In-House (72-73)</p> <p>AO 2055 IR & High Power Laser Windows - Univ of Southern Calif. Contract #F19628-76-C-0162 (76-78)</p> <p>AO 2175 Investigate Material Systems for Mirrors used in High Power CO & CO₂ Lasers - Battelle Contract #N00123-72-C-2215 (72-74)</p> <p>AO 2243 Cryogenic Interferometer Spectrometer - Block Engr. Inc. Contract #F19628-73-C-0265 (73-74)</p> <p>AO 2055 High Power Windows, Coatings and Mirrors - Mass. Inst. of Tech. Contract #F19628-72-C-0275 (72-77)</p> <p>AO 2172 Polycrystalline Halides for Use in High Power Laser Windows Honeywell Contract #DAHC15-72-C-0227 (72-75)</p>								

RECORDS TRANSMITTAL AND RECEIPT (Continuation)				This form is to continue listing of Records Data when space on SF 135 is not adequate. Instruc- tions for completion of SF 135 apply.		TRANSFERRING AGENCY'S NAME DARPA/DSO-MSD		DATE		PAGE 6 9 PAGES	
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330	81	0431	10	7.	<u>BOX #7</u> AO 2900 Film Spectroscopy Experiment Cornell University Contract: F19628-75-C-0177 (75-78) AO 2898 Single Crystal Type II Diamonds - Univ of Southern Calif. Contract: N00014-76-C-1036 (76-78) AO 2983 Fundamental Window Breakdown Harvard University Contract: F44620-75-C-0088 (75-78) AO 2614 Optical Absorption in Low Loss Window Materials Univ of Alabama - Huntsville Contract: DAAK40-76-C-1171 AO 2612 Chemistry of Halide Window Growth - Hughes Research Labs Contract: F33615-74-C-5115 (74-75) AO 2620 Optical Matls Characterization National Bureau of Standards Contract: In-house (77) AO 3066 Low Absorption Laser Windows Naval Research Labs Contract: In-House (75-78) AO 3096 Growth of Pure Single Crystals Oregon State University Contract: F19628-76-C-0157 (76-77)						

RECORDS TRANSMITTAL AND RECEIPT (Continuation)				This form is to continue listing of Records Data when space on SF 135 is not adequate. Instruc- tions for completion of SF 135 apply.		TRANSFER TO AGENCY'S NAME DARPA/DSO-NSD		DATE		PAGE 7 9 PAGES	
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RG (a)	FY (b)	NUMBER (c)							LOCATION (j)	SHELF PLAN (k)	CONT- TYPE (l)
330	81	0431	10	8	<u>BOX #8</u> AO 3216 Generation of Copper Films on Low Expansion Substrates Owens-Illinois Inc. Contract: In-House (75-76) AO 3220 Intrinsic & Thermal Stress Modelling for Thin-Film Multilayers Perkin-Elmer Contract: DAAA25-76-C-0410 (76-78) AO 2421 Development of Multispectral Sandwich-Type Infrared Windows Raytheon Contract: F33615-75-C-5223 (75-77) AO 2469 Research in Materials Science Mass. Institute of Technology Contract: DAHC 15-73-C-0316 (73-75) AO 2417 Laser Damage to Thin Film Coatings - Lawrence Livermore Labs Contract: In-House (72-75)						
				9	<u>BOX #9</u> AO 1969 Theoretical Studies of High Power Infrared Window Materials Xonics, Inc. Contract: DAHC15-72-C-0129 (72-74)						

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(Continuation)

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PAGE

PAGES

DARPA/DSO-MSD

8

9 PAGES

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RG	FY	NUMBER							LOCATION	SHRINK PLAN	CONT. TYPE	AUTO. DISP.
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330	81	0431	10	10	<p><u>BOX #10</u></p> <p>AO 2620 Optical Materials Characterization (Final Technical Report) National Bureau of Standards Contract: In-House (74-78)</p> <p>AO 1969 High-Power Ultraviolet & Infrared Materials (Final Technical Report) Xonics Contract: DAHC 15-73-C-0127</p> <p>AO 2055 Infrared Laser Window Studies (Final Report) University of Southern California Contract: F19628-77-C-0094 (76-78)</p> <p>AO 2415 Laser Window Materials & Optical Coating Science (Interim Technical Report) Hughes Research Labs F19628-76-C-0309 (76-77)</p> <p>AO 2416 Study of Polycrystalline Halides Honeywell Contract: DAHC15-73-C-0464 (73-77)</p> <p>AO 2421 Research on Chemically Vapor Deposited Chalcogenide Semiconductors for High Power Laser Window Appl. (Final Technical Report) AFML Contract: 33615-75-C-5221 (75-76)</p>							

RECORDS TRANSMITTAL AND RECEIPT (Continuation)				This form is to continue listing of Records Data when space on SF 135 is not adequate. Instruc- tions for completion of SF 135 apply.		TRANSFERRING AGENCY'S NAME DARPA/DSO-MSD		DATE		PAGE 9		9 PAGES	
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330	81	0431	10		<p><u>BOX #10</u> (continued)</p> <p>AO 3154 Plasma Polymerized Coatings University of Calif-Berkeley Contract: N60530-78-C-0077 (78)</p> <p>AO 3154 Analysis of Interferometric Data Obtained from Low-Power Laser Tests of IR Window Materials at 10.6 μm (Final Technical Report) Honeywell Contract: 60530-78-C-0037 (78)</p> <p>AO 3154 Dielectric Mirrors for 3-5 Microns (Final Technical Report) Northrop Contract: F29601-76-C-0003 (76-78)</p> <p>AO 3242 Laser Optical Engineering Optical Coatings (Final Technical Report) Northrop Contract: N00123-76-C-1321 (76-78)</p>								