DEPARTMENT OF DEFENSE
DEFENSE ATOMIC SUPPORT AGENCY
WASHINGTON, D.C. 20301

ADDRESS REPLY TO:
APRS

1 JUL 1965

SUBJECT: Transfer of Funds for FY 1966 Nuclear Weapons Effects Research (NWER) Program

TO: Chief, Bureau of Naval Weapons, Navy Department, Washington, D.C. 20360
Chief, Bureau of Ships, Navy Department, Washington, D.C. 20360
Chief, Bureau of Medicine and Surgery, Navy Department, Washington, D.C. 20390
Chief of Naval Research, Navy Department, Washington, D.C. 20390

1. Inclosure 1 to this letter contains a listing of the planned FY 1966 NWER subtasks which are assigned to the Navy Department for management. Military Interdepartmental Purchase Requests (MIPRs) listed below will be issued by separate correspondence.

DASA MIPR		PROJECT AGENCY	AMOUNT
		Aviation Medical Acceleration Laboratory	
526-66	A4	Biomedical	$100,000
		Bureau of Medicine & Surgery	
524-66	A4	Biomedical	$35,000
		Bureau of Naval Weapons	
523-66	A4	Biomedical	$120,000
		Bureau of Ships	
508-66	A5	Underwater	$1,185,000

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DASA MIPR		PROJECT AGENCY	AMOUNT
		Naval Applied Science Laboratory	
521-66	A4	Biomedical	$112,000
		Naval Civil Engineering Laboratory	
518-66	A2	Nuclear Radiation	$150,000
511-66	A3	Protective Structures	$520,000
509-66	A5	Underwater	$125,000
		Naval Electronics Laboratory	
531-66	A6	Electromagnetic	$75,000
		Naval Ordnance Laboratory	
510-66	A5	Underwater	$580,000
		Naval Radiological Defense Laboratory	
519-66	A2	Nuclear Radiation	$265,000
522-66	A4	Biomedical	$605,000
532-66	A7	Fallout	$406,000
536-66	A8	Thermal	$70,000
		Office of Naval Research	
507-66	A5	Underwater	$400,000
530-66	A6	Electromagnetic	$200,000

2. In the event that reprogramming between DASA approved subtasks is deemed necessary, you are authorized to make such changes provided that the fund transfers involved to not exceed $100,000 per subtask. In the event reprogramming in excess of $100,000 or reprogramming between MIPRs is desired, prior approval of this headquarters must be obtained.

3. In order to complete the operating budget for the NWER program, it is desired that a Summary of Fund Requirements be prepared for each subtask in the FY 1966 NWER program; a sample format for this summary is included as Inclosure 2. Completed Summaries of Fund Requirements should be forwarded so as to reach this headquarters no later than 15 August 65. A revised Summary of Fund Requirements will be prepared and forwarded to Director, Defense Atomic Support Agency (DASA), Washington D. C. 20301, whenever reprogramming actions under paragraph 2, above, result in a change in subtask funding level.

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4. Transfer of these funds is subject to compliance with the financial and equipment management procedures listed below:

a. Accounting and reporting of these funds will be in accordance with part 4 of the DASA Manual, "Nuclear Weapons Effects Financial Management", dated 1 April 1962, with the exception that the frequency for submission of the Fund Status Report will be quarterly, rather than monthly as stated. These reports will be submitted so as to arrive no later than the 15th of the month following the close of the accounting period for each quarter.

b. Request for reimbursement on Standard Forms 1080 should contain tabulation of expenditures by DASA Cost Codes (subtask numbers) and should be submitted in accordance with paragraph 6, part 3, of the DASA Manual referred to in subparagraph 4a above.

c. All reports, correspondence, and contracts relating to this work will identify DASA as the funding source. Where transfer of any portion of these funds to either a contractor or another government agency is effected, the recipient will be required to identify DASA as the funding source in all correspondence and reports relating to work so funded.

d. Approval shall be obtained from Director, DASA, ATTN: APRS prior to the purchase of any item of capital equipment the acquisition cost of which is $1,000 or more. Each such request should specify the item in sufficient detail to permit the DASA to determine whether the equipment required or a suitable substitute is available within DASA resources.

e. Your project officer should determine whether the best interest of the government will be served by local procurement or by acquisition from DASA resources for items of capital equipment costing less than $1,000. Such equipment is listed in the catalog of Research, Development, Test and Evaluation Equipment, prepared and published by Chief, Weapons Test Division, DASA, Sandia Base, Albuquerque, New Mexico.

f. If the equipment is not available from DASA resources and is acquired through local procurement at a cost in excess of two hundred dollars ($200), notification of such procurement will be furnished Chief, Weapons Test Division, DASA, ATTN: WTWTS, Sandia Base, Albuquerque, New Mexico, within 30 days of such acquisition. This report shall be in the format set forth in the DASA Manual referred to in subparagraph 4a, which shall be obtained from the address above.

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g. Ownership of capital equipment furnished by DASA or purchased with project funds will be reserved to DASA. Such property will be appropriately marked, maintained, and accounted for in accordance with your property accounting procedures. An inventory of all such property will be submitted to the Chief, Weapons Test Division, DASA, as requested or at least annually and upon termination of the project.

FOR THE DIRECTOR

T. B. TAYLOR
Deputy Director, Scientific

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FY 66 NWER Program

Subtask Assignments to Individual MIPRs

Aviation Medical Acceleration Laboratory

Project A4 Biomedical

A4b-03.055	Parameters of Flashblindness Recovery	$100,000
	MIPR Nr. 526-66	$100,000

Bureau of Medicine & Surgery

Project A4 Biomedical

A4e-03.125	Homologous Leucocyte Transplantation	$35,000
	MIPR Nr. 524-66	$35,000

Bureau of Naval Weapons

Project A4 Biomedical

A4b-03.007	VADO (Variable Optical Density Enclosures)	$100,000
A4b-03.124	Oculo-Thermal Injury	20,000
	MIPR Nr. 523-66	$120,000

Bureau of Ships

Project A5 Underwater

A5b-14.047	Conical Shock Tube	$330,000
A5b-14.052	Air Blast Effects on Exposed Topside Shipboard Equipment	155,000
A5b-14.057	Weapons Effects Against Modern Submarines	240,000
A5b-14.061	Vulnerability of Ship Structures to Air Blast	125,000
A5b-14.066	Fundamental Shock Response Studies	210,000
A5b-14.089	Studies on Effects of Naval Weapons on Naval Targets	100,000
A5b-14.095	Effects on Equipment of Air-Blast-Induced Shock	25,000
	MIPR Nr. 508-66	$1,185,000

Naval Applied Science Laboratory

Project A4 Biomedical

Encl 1

A4b-03.001	Oculo-Visual Effects -- Flashblindness Stimulus	$36,000
A4c-03.062	Mechanism of Thermal Injury (Prediction-Oriented)	76,000
	MIPR Nr. 521-66	$112,000

Naval Civil Engineering Laboratory

Project A2 Nuclear Radiation

A2c-11.058	Penetration of Neutrons and Gamma Rays thru Ducts and Mazes	$150,000
	MIPR Nr. 518-66	$150,000

Project A3 Protective Structures

A3b-13.018	Ground Motion Effects on Underground Structural Systems	$460,000
A3d-13.154	Ground Motion Effects on Underground Structural Contents and Components	60,000
	MIPR Nr. 511-66	$520,000

Project A5 Underwater

A5c-14.083	Effects of Underwater Explosions on Waterfront Structures	$125,000
	MIPR Nr. 509-66	$125,000

Navy Electronics Laboratory

Project A6 Electromagnetic

A6e-07.042	Ionospheric Model for VLF Propagation Under Disturbed Comditions	$75,000
	MIPR Nr. 531-66	$75,000

Naval Ordnance Laboratory

Project A5 Underwater

A5a-14.086	Bubble from Underwater Explosions	$160,000
A5a-14.088	Shockwave Interactions from Underwater Explosions	70,000
A5a-14.090	Air Blast from Underwater Nuclear Explosions	100,000

A8a-14.108	Field Simulation Trials	$250,000
	MIPR Nr. 510-66	$580,000

Naval Radiological Defense Laboratory

Project A2 Nuclear Radiation

A2b-11.060	Penetration of Fusion Reaction Neutrons in Shields	90,000
A2b-11.063	Air-Ground Interface in Initial and Residual Gamma-Ray Shielding	25,000
A2c-11.059	Compartmentation Effects in Real and Simulated Fallout Fields	30,000
A2c-11.064	Gamma-Ray Albedo and Transmission Studies	80,000
A2d-11.067	Spectral Characteristics of Secondary Gamma	40,000
	MIPR Nr. 519-66	$265,000

Project A4 Biomedical

A4d-03.136	Effects of Radiation on the Nervous System	$95,000
A4e-03.027	Immunologic Processes and Radiation	30,000
A4e-03.035	Recovery in Multiple Species	330,000
A4e-03.115	Low Level Radiation -- Large Animals	150,000
	MIPR Nr. 522-66	$605,000

Project A7 Fallout

A7a-10.007	Development of Fallout Model for Water Surface Bursts	$60,000
A7b-10.059	Prediction of Above Surface Gamma Radiation Fields from Underwater Nuclear Bursts	65,000
A7b-10.061	The Subsurface Loss of Explosion Products During Bubble Migration Phase of a Deep Underwater Burst	20,000
A7b-10.064	The Effects of Bottom Proximity on the Explosion Product Distribution from Very Shallow and Shallow Underwater Explosions	56,000
A7c-10.052	The Physical Chemistry of the Formation and Characteristics of Nuclear Debris	120,000
A7c-10.062	Evaluation and Correction of Discrepancies of Experimental and Calculated Dose Rates from Fission Product Fields	85,000
	MIPR Nr. 532-66	$406,000

Project A8 Thermal

[redacted]

[redacted]	Fire Vulnerability Phenomena	$70,000
	MIPR Nr. 536-66	$70,000

Office of Naval Research

Project A5 Underwater

A5a-14.039	Theoretical Studies of Underwater Explosions	$70,000
A5d-14.042	Wave Run-up and Wave Handbook	30,000
A5d-14.080	Experimental Determination of Wave Propagation in Shallow Water and Run-up	300,000
	MIPR Nr. 507-66	$400,000

Project A6 Electromagnetic

A6g-07.031	Determination of Reaction Rates & Ionization Mechanisms by Use of Natural Disturbances	$200,000
	MIPR Nr. 530-66	$200,000