

A

DA 49-146-XZ-0001

to 375

LOG OF CONTRACTUAL ACTIONS

DAEA 18-70-A-0091 American Telephone & Telegraph

DELIVERY ORDERS

No	Contractor	Status	Contract Type & Authority
<p>() (pre-contract fm)</p> <p>SUBJECT: EMP Study of Submarine Cable Terminals & underwater links.</p> <p><i>V LIS</i></p> <p><i>LCAR Anderson</i></p>			
Mod 1	Delivery Order 1	-----\$9,919.00	\$ 9,919.00
		PAID \$3,061.05	
Mod 2	Delivery Order 2	Support of Offutt AFB/Fairview cable EMP project	\$ 6,489.00
		PAID \$3,984.29	
Mod 3	Delivery Order #3	\$9,893.00	\$ 1,963.00
		PAID \$4,825.90	
Mod 4	Delivery Order #3, Amen. 1	DNA EMP Assessment Survey of Submarine Cable Facilities	\$ 1,963.00
		FY77 NWET G37KAXEX475 18	
		PAID \$1,963.00	
	Delivery Order #4 - N/C	DNA/CSC Access to the JAD Data Base	\$ N/C
Mod 6	Delivery Order #5		\$ 4,163.00
		PAID \$4,091.74	
Mod 7			\$
Mod 8			\$

Performance Completed: *21 March 76* Total \$ 32,427.00

Contract CLOSED: 1981 OCT 14 PAID: \$ 17,925.98

Sent to WNRC: NOV 10 1981 To be destroyed: *DEC 87* Refund: \$ 14,501.02

609	Isotopes, Inc.	S	CPFF (a)(11)
No	Contractor	Status	Contract Type & Authority
	(1 Feb 58 - 31 Mar 59)	(pre-contract fm)	
SUBJECT:	Conduct study of radiation fallout debris in stratospheric reservoir from samples collected.		\$ 280,516.33
RA			
Mod 1	Amend work scope and extend time to 31 Mar 60.		\$ 281,835.00
Mod 2	Amend work scope		\$ 90,525.00
Mod 3	Amend work scope and extend time to 31 Mar 61.		\$ 375,857.00
Mod 4	Time extension to 30 June 61.		\$ 30,000.00
Mod 5	Additional funds for indirect expense rates		\$ 25,000.00
Mod 6	Time extension to 30 Sep 61		\$ ---
Mod 7	Additional funds for overrun and time extension to 31 Jan 62.		\$ 17,000.00
Mod 8	Final overhead rates.		\$ ---

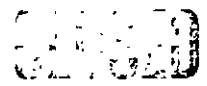
Sent to [unclear] ^{Jan 72}
 Brought Forward \$ _____
 To be Destroyed ^{July 76}
 Total \$ 1,100,733.33

Work Completed: 2 Nov 61

Contract CLOSED:

Refund: \$ 6,386.20

July 69



001	Boynton Associates	S	FP a(1)
No.	Contractor	Status	Contract Type & Authority
	15 Aug 58 - 15 Nov 58		
SUBJECT: (BS)	Research to determine practicability of developing a large versatile dynamic load generator.		\$ 5,670.00
Capt M.L. Whitfield			
Mod 1			\$
Mod 2			\$
Mod 3			\$
Mod 4			\$
Mod 5			\$
Mod 6			\$
Mod 7			\$
Mod 8			\$
			\$ 5,670.00

Dest 1 - 31 Mar 66

Performance Completed: 15 Nov 58

Contract CLOSED: 20 Jan 59



Refund: \$ none

003	Southwest Research Institute	NP	CPFF a(1)
No.	Contractor	Status	Contract Type & Authority
	1 Nov 58 - 31 Oct 59		
SUBJECT:	Research concerning computation of blast resistance of certain type POL storage tanks.		\$ 29,229.50
(BS)			

Capt M.L. Whitfield

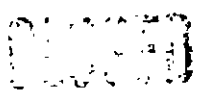
Mod 1	Amend work scope and extend time to 30 Apr 60.	\$ 27,151.50
Mod 2	Time extension to 31 Aug 60	\$ ---
Mod 3	Incorporate final overhead rates	\$ ---
Mod 4		\$
Mod 5		\$
Mod 6		\$
Mod 7		\$
Mod 8		\$

\$56,381.00

Sent to FRCEN: 13 July 66
 To be Destroyed July 1967

Performance Completed: 31 Aug 60

Contract CLOSED: 11 Apr 61



Refund: \$ 287.25

004	C-E-I-R, Inc.	S	CPFF
No.	Contractor	Status	Contract Type & Authority
	- 15 May 1959		
SUBJECT:	Prepare and deliver certain portions of Joint Atomic Weapons (NMCSSC) Planning Manual.		\$ 190,641.00
<u>Lt Col M.P. Thompson</u>			
Mod 1	Time extension to 30 Jun 59		\$ 93,406.00
Mod 2	Time extension to 30 Jun 1960		\$ 442,073.00
Mod 3	Time extension to 31 Dec 1960		\$ 399,735.00
Mod 4	Time Add't work		\$ 99,500.00
Mod 5		\$ ----
Mod 6	-----		\$ ----
Mod 7	Programming and production of the Air Bases Volume of JAWP Extension to 31 Dec 1961		\$ 76,322.00
Mod 8	Time extension to 31 Mar 62		\$ ---

TRANSFERRED TO DCA 3/13/64

Performance Completed:

Contract CLOSED:

Refund: \$

004 C-E-I-R, Inc.

Nc Contractor Status Contract Type
() (pre-contract fm) & Authority

SUBJECT: \$

Mod 1 9 - Time extension to 30 Sep 62 \$ ---

Mod 2x 10 Research and preparation and delivery of final draft of airborne base of JAWPM \$ 48,532.00
Time extension to 15 Mar 63

Mod 2x 11 Time extension to 31 Jul 63 \$ ---

Mod 4 \$

Mod 5 \$

Mod 6 \$

Mod 7 \$

Mod 8 \$

Brought Forward \$ 1,350,209.00

transferred to DCA

Total \$

Performance Completed:

Contract CLOSED: Refund: \$

005	Southwest Research Institute	NP	CPFF a(1)
No.	Contractor	Status	Contract Type & Authority
	15 Jan 59 - 30 Sep 59		
SUBJECT: Research relating to application of nuclear weapons to enemy aircraft. (BS)			\$ 37,689.00

Maj Stalk

Mod 1	Time extension to 28 Feb 60	\$ ---
Mod 2	Additional scope and time extension to 30 Apr 60	\$ 3,254.00
Mod 3	Time extension to 31 Aug 60	\$ ---
Mod 4	Overhead rates	\$ ---
Mod 5		\$
Mod 6		\$
Mod 7		\$
Mod 8		\$

Sent to FRGEN: 13 July 66
To be Destroyed July 67

\$40,943.00

Performance Completed:

Contract CLOSED: 17 Apr 61

Refund: \$ 123.45

006	Stanford Research Institute	NP	CPFF a(1)
No.	Contractor	Status	Contract Type & Authority
	15 Mar 59 - 31 Dec 59		
SUBJECT: Conduct feasibility study of an electric analog of soils. (BS)			\$ 56,892.00
LCDR J. Healey			
Mod 1	Time extension to 31 Aug 60.		\$ ---
Mod 2	Time extension to 31 Dec 60.		\$ ---
Mod 3	Overhead rates and time extension to 30 Jun 61.		\$
Mod 4	Additional scope and time extension to 31 Aug 61.		\$ 8,800.00
Mod 5	Time extension to 31 Oct 61.		\$ ---
Mod 6			\$
Mod 7			\$
Mod 8			\$
			\$65,692.00

Sent to FRCEN: 13 July 66
To be Destroyed July 69

Performance Completed: 8 Dec 61

Contract CLOSED: 11 Apr 63

Refund: \$ 2.72

007 No.	E. H. Plesset Associates, Inc. Contractor	S Status	CPFF a(1) Contract Type & Authority
	15 Jan 59 - 30 Sep 59		
SUBJECT: Research relating to data, material and reports re certain (JAWPM) portions of final tests for Joint Atomic Weapons Planning Manual.			\$ 12,470.00

Lt Col R.W. Millican

Mod 1	Time extension to 30 Sep 60.	\$ ---
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Mod 2	Overhead rates.	\$ ---
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Mod 3	Overhead rates.	\$ ---
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Mod 4		\$
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Mod 5		\$
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Mod 6		\$
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Mod 7		\$
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Mod 8		\$
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\$12,470.00

Sent to FRCEN: 13 July 66
To be Destroyed July 1967

Performance Completed:

Contract CLOSED: 24 Jan 61

CLOSED

Refund: \$ 692.94

008 No.	The University of Rochester Contractor (1 Jan 59 - 30 Jun 59)	E Status	Cost a(5) Contract Type & Authority
	SUBJECT: Study high-speed photography applied to the field of (RE) spectrophotometry.		\$ 25,235.00
51	Lt Col S.E. Singer		
60	Mod 1	Continuation of research and time extension to 30 Jun 60.	\$ 50,600.00
60	Mod 2 (AFSR)	Additional research and time extension to 30 Jun 61.	\$ 42,500.00
61	Mod 3 (RA)	Provision for contractor to purchase equipment	\$ 22,000.00
61	Mod 4	Amend technical scope and time extension to 31 Aug 62.	\$ 47,700.00
	EXCESSIVE SINGER		
63	Mod 5	Time extension to 31 Oct 62.	\$ ---
63	Mod 6	Transfer title to U. of Rochester Additional Government property/and time extension to 31 Jan 63.	\$ ---
	Mod 7	Incorporate overhead rates for FY 60 - 63.	\$ ---
	Mod 8		\$ ---
			\$ 188,035.00

Sent to REGEN: 2 APR 1969
To be Destroyed Jul '72

Performance Completed: 31 Jan 63

Contract CLOSED: 23 Nov 65

CLOSED

Refund: \$ 443.21

009 No.	Lockheed Aircraft Corp. Contractor	L Status	CPFF a(1) Contract Type & Authority
	(15 Apr 59 - 15 Apr 60)		
	SUBJECT: Study thermal phenomena during nuclear explosions in air. (RA)		\$ 51,597.00
67	Mr. J.W. Snyder		
60	Mod 1	Time extension to 30 Jun 60.	\$ ---
60	Mod 2	Additional work scope and time extension to 30 Sep 61.	\$112,188.00
62	Mod 3	Change in work scope and time extension to 30 Sep 62.	\$114,466.00
63	Mod 4	Overhead rates for FY 59 & 60; change in reporting; addition of info re California Taxes and time extension to 31 Jan 63.	\$ ---
63	Mod 5	Overhead rates for FY 61.	\$ ---
63	Mod 6	Overhead rates for FY's 62 and '63	\$ ---
	Mod 7		\$
	Mod 8		\$
			TOTAL: \$278,251.00

Sent to TROEN: 26 Jan 71
To be Destroyed Jul 75

Performance Completed: 31 Jan 63

Contract CLOSED:

12 Dec 68

Refund: \$58.49

010	Boynon Associates	S	FP a(1)
No.	Contractor	Status	Contract Type & Authority
	15 Apr 59 - 31 Oct 59		
SUBJECT: Research concerning feasibility of a gas jet loading device to test underground specimen structures.			\$ 24,300.00

McCapt M.L. Whitfield

Mod 1	Amend work scope and time extension to 31 Jan 60.	\$ 14,610.00
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Mod 2		\$
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Mod 3		\$
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Mod 4		\$
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Mod 5		\$
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Mod 6		\$
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Mod 7		\$
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Mod 8		\$
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\$ 38,910.00

Destroyed - 21 Mar 66

Performance Completed:

Contract CLOSED: 23 Mar 60

Refund: \$ none

Oll No.	Stanford Research Institute Contractor (1 Apr 59 - 31 Oct 59)	NP Status	CPFF a(1) Contract Type & Authority
	SUBJECT: Conduct research study incident to design and development of particle velocity gage for transient measurements. (BS)		\$ 17,419.00
54 Maj B.M. Carswell			
Mod 1	Time extension to 31 Mar 60.		\$ ---
60			
Mod 2	Time extension to 31 Aug 60.		\$ ---
60			
Mod 3	Time extension to 31 Oct 60.		\$ ---
61			
Mod 4	Overhead rates for FY 59 and time extension to 28 Feb 61.		\$ ---
61			
Mod 5	Overhead rates for FY 60.		\$ ---
63			
Mod 6			\$
Mod 7			\$
Mod 8			\$
			\$ 17,419.00

Sent to FRCEN: 13 July 66
To be Destroyed July 1969

Performance Completed: 8 Nov 60.

Contract CLOSED: 16 Jan 63

Refund: \$ none

012	Stanford Research Institute	NP	CPFF a(1)
No.	Contractor	Status	Contract Type & Authority
	(1 Apr 59 - 30 Apr 60)		
SUBJECT: Design, develop and fabricate operating gage for measurement of certain coil variables. (BS)			\$ 74,564.00
LCDR J.J. Healy			
Mod 1	Time extension to 31 Oct 60.		\$ ---
Mod 2	Additional work; overhead rates for FY 59 and time extension to 30 Jun 61.		\$ ---
Mod 3	Additional work and time extension to 31 Aug 61.		\$ 5,800.00
Mod 4	Time extension to 31 Oct 61		\$ ---
Mod 5	Time extension to 31 Jan 62.		\$ ---
Mod 6	Overhead rates for FY 59, 60, and 61.		\$ ---
Mod 7			\$
Mod 8			\$
			\$ 80,364.00

Sent to FRCEN: 13 July 66
To be Destroyed July 69

Performance Completed: 15 Feb 62

Contract CLOSED: 4 Jun 63

Refund: \$ 577.48

013 No.	Stanford Research Institute Contractor	NP Status	CPFF a(1) Contract Type & Authority
	(1 May 59 - 31 Oct 60)		
SUBJECT: (BS)	Design, develop and fabricate prototype soil loading gage to measure soil structure interaction.		\$ 84,289.00

59

Maj M.E. Barnes

Mod 1 Overhead rates for FY 59 & 60 and time extension to 30 Jun 61 \$ ---

61

Mod 2 Time extension to 28 Feb 62. \$ ---

61

Mod 3 Time extension to 30 Apr 62. \$ ---

62

63 Mod 4 Overhead rates for FY 62. \$ ---

Mod 5 Discontinue work and decrease funds. (minus) \$ 84,202.58

Mod 6 \$

Mod 7 \$

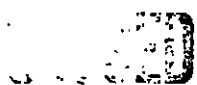
Mod 8 \$

Sent to FROEN: 2 APR 1969 \$ 30,086.42
 To be Destroyed Jul 72

Performance Completed: 18 Apr 62

Contract CLOSED: 11 Jan 66

Refund: \$ none



014	C-E-I-R, Inc.	S	CPFF
No.	Contractor	Status	Contract Type & Authority
- 14 May 1960			\$ 217,898.00
SUBJECT: Research incident to casualty assessment evaluations of damage (NMCSSC) from nuclear weapons.			
Lt Col C.F. Carter			
Mod 1	Time extension to 30 Jun 1960		\$ 397,846.00
Mod 2	Time Add'l work		\$ 40,000.00
Mod 3	Time extension to 31 Dec 60		\$ ---
Mod 4	Time extension to 31 Dec 61		\$ 200,000.00
Mod 5	Addt'l work - Conduct damage and casualty assessment investigations resulting from application of nuclear weapons to Geographic areas of interest.		\$ 290,861.00
Mod 6	Addt'l work		\$ 96,000.00
Mod 7	Addt'l work Time extension to 31 Mar 62		\$ --
Mod 8			\$
TOTAL:			\$ 1,242,605.00

TRANSFERRED TO DCA 1/10/64

Performance Completed:

Contract CLOSED:

Refund: \$

015	Massachusetts Institute of Technology	E	Cost a(5)
No.	Contractor	Status	Contract Type & Authority
	(1 Jun 59 - 30 Jun 60)		
SUBJECT: (BS)	Conduct study related to dynamic response of reinforced concrete columns.		\$ 59,773.00
Maj. F.H. Henk			
Mod 1	Additional work and time extension to 30 Jun 61.		\$ 60,000.00
Mod 2	Time extension to 30 Sep 61.		\$ ---
Mod 3	Time extension to 31 Dec 61.		\$ ---
Mod 4	Time extension to 31 Mar 62.		\$ ---
Mod 5	Time extension to 31 May 62.		\$ ---
Mod 6	Overrun funds and overhead rates for FY 59, 60, 61, and 62.		\$ 1,243.00
Mod 7			\$
Mod 8			\$
			\$ 121,016.00

Sent to FROEN: *apr 68*
 To be Destroyed *Jul 71*

Performance Completed: 31 May 62

Contract CLOSED: 10 Jan 65

CLOSED

Refund: \$ none

016	Hughes Aircraft Company	L	CPFF a(1)
No.	Contractor	Status	Contract Type & Authority
	(1 Jun 59 - 30 Nov 59)		
SUBJECT: Study surface barrier detectors for charged particles. (RA)			\$ 20,266.00
59 Maj F. A. Verser			
Mod 1	Increased work scope and time extension to 31 Dec 60.		\$ 240,934.00
60 Mod 2 Increased work scope and time extension to 31 Dec 61. \$ 99,814.00			
61 Mod 3 Time extension to 28 Feb 62. \$ ---			
62 Mod 4 Time extension to 31 May 62. \$ ---			
62 Mod 5 Overhead rates for FY 60 and 61. \$ ---			
63 Mod 6 FY 62 overhead rates. \$ ---			
Mod 7 \$			
Mod 8 \$			
			\$ 361,014.00

Sent to DELEN: 2 APR 1960
To be Destroyed Jul 72

Performance Completed: 29 Feb 1962

Contract CLOSED: 7 Jan 66

Refund: \$ none

017	Boynon Associates	S	FP a(1)
No.	Contractor	Status	Contract Type & Authority

(15 Jun 59 - 31 Dec 59)

SUBJECT: Research concerning investigation and development of a laboratory model 500 PSI Dynamic Load Generator for soil testing.
 (BS)

\$ 28,750.00

DCDR J.D. Andrews

Mod 1	Amend technical scope and time extension to 30 Apr 60.	\$ 20,000.00
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Mod 2	To amend technical scope and extend time to 31 Dec 60.	\$ 9,850.00
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Mod 3		\$
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Mod 4		\$
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Mod 5		\$
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Mod 6		\$
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Mod 7		\$
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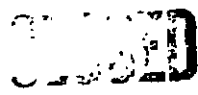
Mod 8		\$
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\$ 58,600.00

Sent to FRCEN: 13 July 66
 To be Destroyed July 67

Performance Completed:

Contract CLOSED: 1 Mar 61



Refund: \$ 126.90 (for GFE)

018 No.	Stanford Research Institute Contractor	NP Status	CPFF a(1) Contract Type & Authority
	(15 Jun 59 - 15 Sep 60)		
	SUBJECT: Conduct study concerning stress propagation in soils. (BS)		\$ 99,998.00
59 LTJG F.W. Brady, Jr.			
Mod 1	Overhead rates for FY 59 and time extension to 30 Jun 61		\$ ---
61			
Mod 2	Time extension to 30 Sep 61.		\$ ---
62			
Mod 3	Revise provisions of ARTICLE III - REIMBURSABLE COSTS.		\$ ---
62			
Mod 4	Time extension to 31 Dec 61.		\$ ---
62			
Mod 5	Additional work scope and time extension to 28 Feb 63.		\$ 108,780.00
62			
Mod 6	Overhead rates for FY 60 and 61 and time extension to 31 May 63.		\$ ---
3			
Mod 7	Additional work scope and time extension to 31 Aug 64.		\$ 86,170.00
62			
Mod 8	FY 62 overhead rates and time extension to 31 Oct 64.		\$ ---
			\$ 294,948.00

Sent to GREEN: 2 APR 1969
To be Destroyed Jul 72

Performance Completed: 30 Dec 64

Contract CLOSED: 14 Jun 66

Refund: \$ 4,245.17

018	Stanford Research Institute	Status	Contract Type & Authority
No.	Contractor		
SUBJECT:			\$
Mod 9	Time extension to 15 Dec 64.		\$ ---
Mod 10	FY 63 & 64 overhead rates.		\$ ---
Mod 3			\$
Mod 4			\$
Mod 5			\$
Mod 6			\$
Mod 7			\$
Mod 8			\$

Performance Completed:

Contract CLOSED:

Refund: \$

019	United Research Services, Inc.	S	CPFF a(1)
No.	Contractor	Status	Contract Type & Authority
	(15 Jun 59 - 31 Dec 59)		
SUBJECT: Conduct study of explosive sources for determining stress-strain characteristics of soils. (BS)			\$ 28,154.00
<hr/> Maj M.E. Barnes. <hr/>			
Mod 1	Time extension to 30 Apr 60.		\$ ---
Mod 2	Amend technical scope and extend time to 30 Apr 61.		\$ 68,176.00
Mod 3	Overhead rates for FY 60 and time extension to 31 Dec 61.		\$ ---
Mod 4	Time extension to 31 Mar 62.		\$ ---
Mod 5	Additional scope and time extension to 15 Feb 63.		\$ 106,863.00
Mod 6	Add "Contractor Purchase of Equipment" and extend time to 1 Aug 63.		\$ 10,307.00
Mod 7	Additional scope.		\$ 12,985.00
Mod 8	Overhead rates for FY 61 and 62 and time extension to 30 Nov 63.		\$ ---
			\$226,485.00

Sent to PROEN: 2 APR 1969
 To be Destroyed Jul 73

Performance Completed: 30 Nov 63

Contract CLOSED: 1 Nov 66

Refund: \$ 88.40

019 United Research Services, Inc.

No Contractor () (pre-contract fm) Status Contract Ty & Authority

SUBJECT:

Mod 2 FY 63 overhead rates.

Mod 3

Mod 3

Mod 4

Mod 5

Mod 6

Mod 7

Mod 8

Brought Forward

Total

Performance Completed:

020	Newmark, Hansen and Associates	S	FP a(1)
No.	Contractor	Status	Contract Type & Authority
	(1 Oct 59 - 30 Mar 60)		
SUBJECT: (BS)	Research covering revision of Section VII in Technical Manual, TM 23-200.		\$ 60,000.00

LCDR J.D. Andrews

Mod 1	Revise payment schedule and extend time to 31 May 60.	\$ ---
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Mod 2	Revise payment schedule and extend time to 30 Sep 64	\$ ---
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Mod 3		\$
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Mod 4		\$
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Mod 5		\$
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Mod 6		\$
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Mod 7		\$
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Mod 8		\$
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\$ 60,000.00

Sent to FROEN: 13 July 66
To be Destroyed July 67

Performance Completed:

Contract CLOSED: 28 Dec 60

Refund: \$ none

021	IIT Research Institute	NP	CPFF
No.	Contractor	Status	Contract Type & Authority
- 28 Feb 1961			
SUBJECT: Investigate and determine probabilities of fire damage to (NMCSSC) installations and areas.			\$102,244.00

Mr. J.W. Crowley

Mod 1	Time extension to 30 Apr 62	\$94,530.00
Mod 2	Additional research re "fire-spread" study particularly study of burning buildings being set and controlled by City of Chicago Fire Dept. Time extension to 31 Jan 63	\$ 195,468.00
Mod 3	To set both overhead rates for FY's 60 and 61	\$ --
Mod 4	Time extension to 31 Mar 63	\$ ---
Mod 5	Extension of time to 30 Jun 63	\$ --
Mod 6		\$
Mod 7		\$
Mod 8		\$
TOTAL:		\$392,242.00

TRANSFERRED TO DCA 1/6/64

Performance Completed:

Contract CLOSED:

Refund: \$

022	Hughes Aircraft Company	L	CPFF a(1)
No.	Contractor	Status	Contract Type & Authority

(1 Oct 59 - 30 Sep 60)

SUBJECT: Study development of neutron-electron multiplier detectors.
(RA)

\$ 40,189.00

60

Mal F.A. Verser

Mod 1	Overhead rates for FY 59 & time extension to 31 Dec 60	\$ ---
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61

Mod 2	Time extension to 30 Apr 61.	\$ ---
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61

Mod 3	Overhead rates for FY 60 & 61	\$ ---
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63

Mod 4		\$
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Mod 5		\$
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Mod 6		\$
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Mod 7		\$
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Mod 8		\$
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\$ 40,189.00

Sent to FRCEN: 26 Sept 66
To be Destroyed July 70

Performance Completed:

Contract CLOSED: 26 Aug 63

Refund: \$ 796.80

029	University of Illinois	E	Cost a(5)
No.	Contractor	Status	Contract Type & Authority
	(1 Sep 59 - 31 Aug 60)		
SUBJECT: Conduct feasibility study incident to design and fabrication of a soil loading system.			\$ 34,000.00
Mr. J.G. Lewis			
Mod 1	Time extension to 31 Dec 60.		\$ ---
Mod 2	Overhead rates for FY 60		\$ 4,156.92
Mod 3			\$
Mod 4			\$
Mod 5			\$
Mod 6			\$
Mod 7			\$
Mod 8			\$
			\$ 38,156.92

Sent to PROEN: 13 July 64
To be Destroyed July 69

Performance Completed:

Contract CLOSED: 30 Jan 63

Refund: \$ none

024	Stanford Research Institute	NP	CPFF a(11)
No.	Contractor	Status	Contract Type & Authority
	(1 Jan 60 - 31 Dec 60) (precontract fm 4 Dec 59)		
SUBJECT: (BS)	Conduct studies of dust-laden air flow and design and develop instrumentation for obtaining pressure measurements in such air flow.		\$ 49,357.00
62	Capt J. Choromokos, Jr.		
Mod 1	Amend technical scope and extend time to 31 Aug 62.		\$ 111,791.00
61			
Mod 2	Time extension to 31 Oct 62.		\$ ---
63			
Mod 3	Additional scope; overhead rates for FY 59, 60 & 61; time extension to 31 Oct 63.		\$ 74,970.00
63			
Mod 4	Additional scope; overhead rates for FY 59, 60 & 61; time extension to 31 Oct 63. (revised) Transfer of certain lab tests to Air Force Missile Development Center (AFMDC); also certain GFP and funds		DECREASE \$ 4,620.00
63			
Mod 5	Additional scope and time extension to 31 Jan 64.		\$ 9,950.00
Mod 6	Additional scope and time extension to 15 Jan 65. (SNOWBALL)		\$ 45,040.00
Mod 7	Additional technical scope (SNOWBALL) and time extension to 15 Mar 65.		\$ 16,230.00
Mod 8	Time extension to 15 Jun 65 and FY 62 overhead rates.		\$ ---
Mod 9	Time extension to 15 Aug 65		\$ --
Mod 10	Overhead rates for FY's 63 and '64		\$ --
Mod 11	Overhead rates for FY 65		\$ --

Sent to PROER. 30 Sep 69
To be Destroyed Jul 74

TOTAL: \$302,718.00

Performance Completed: 15 Jun 65

Contract CLOSED: 13 Apr 67

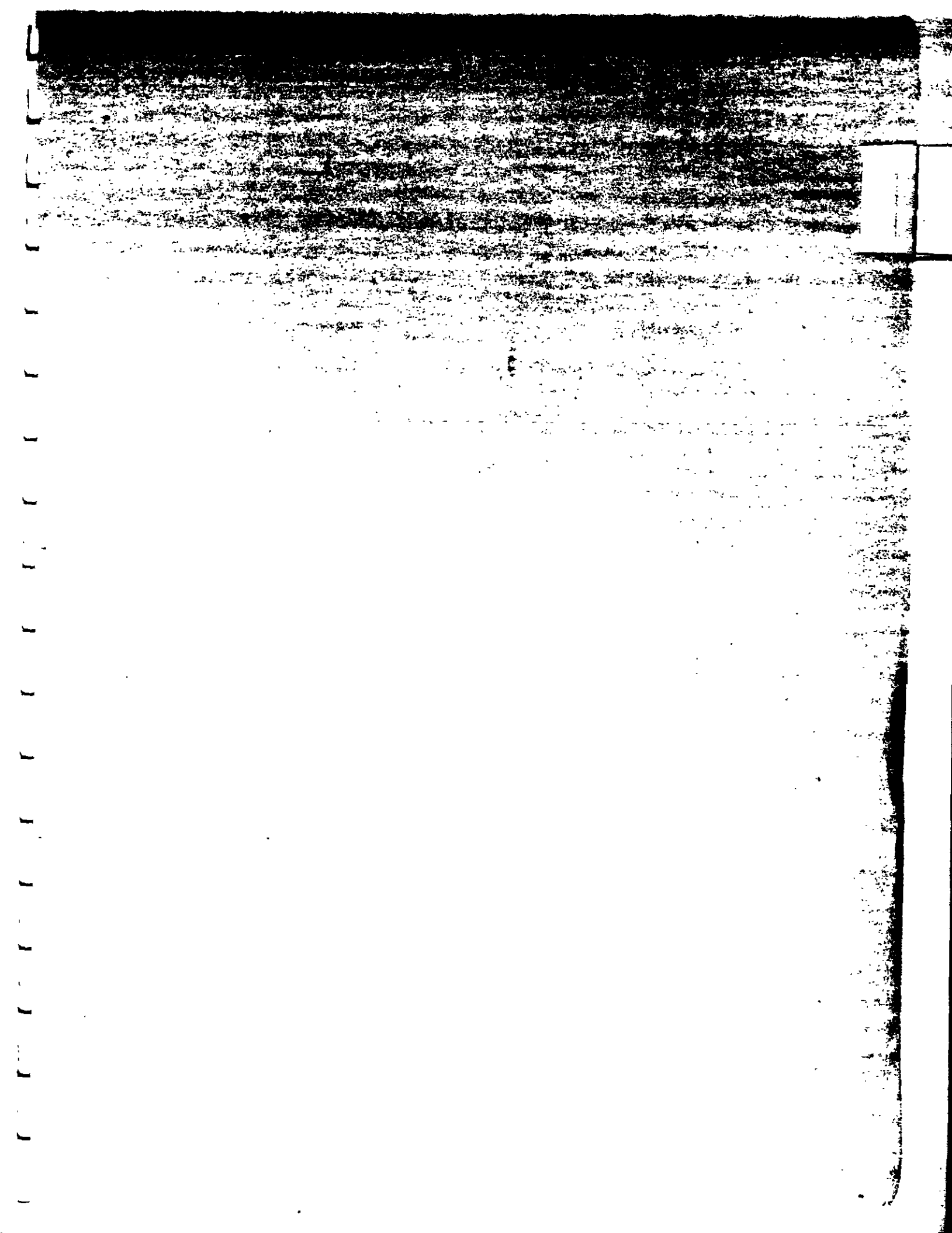
Refund: \$ 220.42

025	Massachusetts Institute of Technology	E	Cost a(5)
No.	Contractor	Status	Contract Type & Authority
	(15 Sep 59 - 15 Sep 60)		
SUBJECT: Conduct study of applicability of small scale models for analyses of air blast effects on structures. (BS)			\$ 20,720.00
<hr/> Maj W.K. Stockdale <hr/>			
Mod 1	Additional scope and time extension to 15 Sep 61.		\$ 25,000.00
Mod 2	Change in scope and time extension to 15 Sep 62. Overhead rate for FY 60.		\$ 25,000.00
Mod 3	Time extension to 31 Jan 63.		\$ ---
Mod 4	Overhead rates for FY 61, 62 and 63.		\$ ---
Mod 5			\$
Mod 6			\$
Mod 7			\$
Mod 8			\$

Sent to RESEARCH: 2 APR 1969 \$ 70,720.00
 To be Destroyed Jul 72

Performance Completed: 26 Jun 63
 Contract CLOSED: 11 May 66

Refund: \$ 317



026 No.	Royal McBee Corp. Contractor (1 Apr 60 - 30 Jun 61)	L Status	Open End a(10) Contract Type & Authority
SUBJECT: Non-assignable lease of RPC-900 Electronic Data Processing System.			\$ ---
Mod 1	New installation date		\$ ---
Mod 2	New installation date		\$ ---
Delivery Order No. 1 Mod 3			\$ 5,400.00 (x)
Mod 4			\$
Mod 5			\$
Mod 6			\$
Mod 7			\$
Mod 8			\$

No payment made under the contract since services were not received.
Contract was allowed to expire 30 Jun 61.

Performance Completed:

Contract CLOSED: 5 Jan 63

Sent to FROEN: 13 July 66
To be Destroyed July 67

Refund: \$

027	Nathan M. Newmark	S	FP a(1)
No.	Contractor	Status	Contract Type & Authority
	(1 Jan 60 - 31 Dec 60)		
SUBJECT: Prepare a portion of technical manual "Underground Shock Phenomena & Effects from Nuclear Explosions" (BS)			\$ 28,500.00
60			
Maj B.M. Carswell			
Mod 1	Time extension to 30 Jun 61.		\$ ---
61			
Mod 2	Time extension to 30 Sep 61.		\$ ---
62			
Mod 3	Change in work scope and time extension to 30 Apr 63.		\$ 29,000.00
62			
Mod 4	Change in rate of payment and time extension to 31 Oct 63.		\$ ---
63			
Mod 5	Additional scope and time extension to 30 Apr 64.		\$ 11,755.00
Mod 6			\$
Mod 7			\$
Mod 8			\$
			\$ 69,255.00

Sent to FROEN: 26 Sept 66
 To be Destroyed July 70

Performance Completed: 16 Apr 64

Contract CLOSED: 18 Aug 66

Refund: \$ none

028 No.	The University of Texas Contractor	E Status	Cost a(5) Contract Type & Authority
	(1 Mar 60 - 28 Feb 61)		
	SUBJECT: Research concerning (1) feasibility and (2) experimental study (BS) of materials and systems for the isolation of underground structures subjected to dynamic loads.		\$ 34,800.00
60	Maj. M.E. Barnes		
60	Mod 1	Additional work scope. (Tsunami work)	\$ 3,000.00
	Mod 2	Additional work and time extension to 30 Apr 62.	\$ 98,775.00
61	Mod 3	Overhead rates for FY 60.	\$ ---
62	Mod 4	Time extension to 31 Jul 62.	\$ ---
	Mod 5	Time extension to 31 Dec 62.	\$ ---
63	Mod 6	Overhead rates for FY 61 & 62.	\$ ---
	Mod 7	Additional funds for final overhead rate adjustment.	\$ 245.03
	Mod 8		\$
			\$ 136,820.03

Sent to [unclear] 2 Nov 1969
To be Destroyed Jul 72

Performance Completed: 31 Dec 62

Contract CLOSED: 8 Jul 65

CLOSED

Refund: \$ none

029	University of Cincinnati	E	Cost a(5)
No.	Contractor	Status	Contract Type & Authority
	(1 Jan 60 - 28 Feb 61)		
SUBJECT: Study phenomena of amino-aciduria following irradiation. (MD)			\$ 25,085.00
CDR R.L. Gade			
Mod 1	Additional work and time extension to 30 Apr 62.		\$ 29,865.00
Mod 2	Consultant services at Whole Body Radiation Effects Conference		\$ 650.00
Mod 3	Additional work and time extension to 30 Apr 63.		\$ 38,800.00
Mod 4	Change in work scope; overhead rates for FY 60 & 61; time extension to 30 Apr 64.		\$ 40,160.00
Mod 5	Overhead rates for FY 62.		\$ ---
Mod 6	Time extension to 28 Feb 65 and FY ⁶³ overhead rates.		\$ ---
Mod 7	FY 64 & 65 overhead rates.		\$ ---
Mod 8			\$ ---
			\$ 134,560.00

Sent to FREEM: 2 APR 1969
To be Destroyed Jul 73

Performance Completed: 19 Feb 65

Contract CLOSED: 27 Apr 67

Refund: \$ none

030	Stanford Research Institute	NP	CPFF a(1)
No.	Contractor	Status	Contract Type & Authority
	(1 Apr 60 - 31 Jan 61) (pre-contract fm 1 Mar 60)		
SUBJECT: (BS)	Research and preparation of a complete book tentatively entitled "A Sourcebook of Underground Phenomena & Effects of Nuclear Explosions"		\$ 51,737.00
LTJG F.W. Brady			
Mod 1	Time extension to 31 Oct 61.		\$ ---
Mod 2	Revise para 1, ARTICLE III - REIMBURSABLE COSTS and update provisions.		\$ ---
Mod 3	Time extension to 31 Mar 62.		\$ 15,275.00
Mod 4	Time extension to 31 Aug 62.		\$ ---
Mod 5	Changes and additions to work scope and time extension to 31 Dec 63. Incorporate FY 60 overhead rates.		\$ 67,300.00
Mod 6	Incorporate FY 61 overhead rates.		\$ ---
Mod 7	Time extension to 30 Apr 64.		\$ ---
Mod 8	Additional work scope and time extension to 31 Oct 64.		\$ 18,064.00
			\$152,376.00

Sent to TRUEN: 30 Sep 64
To be Destroyed Jan 74

Brought forward
from Page 2

-0-

Performance Completed: 31 Aug 64
Contract CLOSED: 28 Sep 64

Refund: \$ none

090 Stanford Research Institute

No.	Contractor	Status	Contract Type & Authority
SUBJECT:			\$
Mod 9	FY 62 overhead rates.		\$ ---
Mod 2	FY 63 & 64 overhead rates.		\$ ---
Mod 3			\$
Mod 4			\$
Mod 5			\$
Mod 6			\$
Mod 7			\$
Mod 8			\$

Performance Completed:

Contract CLOSED:

Refund: \$

031	IIT Research Institute	NP	CPFF a(1)
No.	Contractor	Status	Contract Type & Authority
	(1 Apr 60 - 31 Oct 60)		
SUBJECT:	Research, study and writing necessary to participate in preparation of a book entitled "Underground Shock Phenomena and Effects from Nuclear Explosion"		\$ 14,660.00
	(BS)		
Maj B.M. Carswell			
Mod 1	Time extension to 30 Jun 61.		\$ ---
Mod 2	Overhead rates for FY 60 & 61.		\$ ---
Mod 3			\$
Mod 4			\$
Mod 5			\$
Mod 6			\$
Mod 7			\$
Mod 8			\$
			\$ 14,660.00

Sent to NRO: 13 July 62
 To be Destroyed July 69

Performance Completed:

Contract CLOSED: 24 Sep 62

Refund: \$ 95.88

032 No.	Baylor University College of Medicine Contractor	E Status	Cost a(5) Contract Type & Authority
	(1 Jan 60 - 31 Jan 61)		
SUBJECT: (MD)	Study effects of total body radiation on tolerance of bone marrow and homografts of tissue		\$ 76,742.00

60

CDR R. L. Gade

Mod 1	Change in work scope and time extension to 31 Mar 62.	\$ 62,591.00
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61

Mod 2	Additional work scope and time extension to 15 Apr 63.	\$ 62,000.00
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62

Mod 3	Time extension to 15 Apr 64 and FY 60 overhead rates.	\$ ---
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Mod 4	FY 61 - FY 64 overhead rates.	\$ ---
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Mod 5		\$
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Mod 6		\$
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Mod 7		\$
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Mod 8		\$
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Sent to RESEARCH 2 APR 1969
To be Destroyed Jul 72

\$ 201,333.00

Performance Completed: 15 Apr 64

Contract CLOSED: 22 Mar 66

Refund: \$ 2,368.74

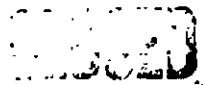
033	The Pennsylvania State University	E	Cost a(5)
No.	Contractor	Status	Contract Type & Authority
	(1 May 60 - 30 Jun 61) (pre-contract fm Feb 60)		
SUBJECT: Study and report all existing weapons effects data incident to loading and response of earth-covered structures. (BS)			\$ 30,000.00
Maj M.E. Barnes			
Mod 1	Amended work scope and time extension to 30 Apr 62.		\$ 36,000.00
Mod 2	Time extension to 30 Jun 62.		\$ ---
Mod 3	Time extension to 30 Sep 62.		\$ ---
Mod 4	Amended work scope and time extension to 31 Mar 63.		\$ ---
Mod 5	Time extension to 31 Aug 63.		\$ ---
Mod 6	Incorporate FY 60 - 62 overhead rates.		\$ ---
Mod 7	FY 63 overhead rates.		\$ ---
Mod 8			\$
			\$ 66,000.00

Sent to ERSEN: 2 APR 1969
 To be Destroyed Jul 72

Performance Completed: 31 Aug 63

Contract CLOSED:

25 Mar 66



Refund: \$ 2,351.38

034	United Research Services, Inc.	S	CPFF a(1)
No.	Contractor	Status	Contract Type & Authority
	(1 Mar 60 - 31 Aug 61)(pre-contract in 1 Feb 60)		
SUBJECT: Research study of the influence of interstitial air and other related factors on the recording and transmission of shock waves in unconsolidated soils.			\$ 63,194.00
LCDR JJ Healy.			
Mod 1	Amended work scope and time extension to 31 Oct 62. FY 60 overhead rates.		\$ 69,407.00
Mod 2	Time extension to 15 Feb 63.		\$ ---
Mod 3	Time extension to 1 Jul 63.		\$ ---
Mod 4	Final OH rates for '61, '62 and '63		\$ ----
Mod 5			\$
Mod 6			\$
Mod 7			\$
Mod 8			\$
			\$132,601.00

Sent to [unclear]: 30 Sep 69
To be Destroyed Jul 74

Performance Completed: 15 Feb 63

Contract CLOSED: 25 Jun 68

Refund: \$ 493.00

035 No.	Technical Operations, Inc. Contractor	S Status	CPFF a(1) Contract Type & Authority
	(1 May 60 - 30 Apr 61)		
	SUBJECT: Conduct study of experimental and analytical techniques of (RA) prompt gamma radiation simulation.		\$ 72,600.00
<hr/>			
Maj. F.A. Verser			
<hr/>			
Mod 1	Time extension to 30 Sep 61.		\$ ---
<hr/>			
Mod 2	Time extension to 16 Mar 62 . Change overhead rates from negotiated to audit (determination by Con. Off.)		\$ ---
<hr/>			
Mod 3	Time extension to 31 May 62. FY 60 overhead rates.		\$ ---
<hr/>			
Mod 4	FY 61 & 62 overhead rates.		\$ ---
<hr/>			
Mod 5			\$
<hr/>			
Mod 6			\$
<hr/>			
Mod 7			\$
<hr/>			
Mod 8			\$
<hr/>			
			\$ 72,600.00

Sent to [unclear] apr 68
 To be [unclear] Jul '71

Performance Completed: 15 Jan 63

Contract CLOSED: 26 Jul 65

Refund: \$ none

036

Martin Marietta Corp.

L

FP

No.

Contractor

Status

Contract Type & Authority

- 31 Jan 1961

SUBJECT: Research and services relating to casualty assessment investigations \$ 86,442.00 (NMCSSC) of results of hypothetical application, on a nation-wide basis and under a variety of conditions, of nuclear weapons to specified targets and geographic areas.

Lt Col H.J. Avise

Mod 1 Time extension to 30 Nov 61 \$ ---

Mod 2 Time extension to 30 Jun 62 \$ --

Mod 3 Time extension to 30 Jun 63. \$ ---

Mod 4 \$

Mod 5 \$

Mod 6 \$

Mod 7 \$

Mod 8 \$

TOTAL: \$86,442.00

TRANSFERRED TO DCA 3/24/64

Performance Completed:

Contract CLOSED:

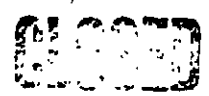
Refund: \$

037	Sloan-Kettering Institute for Cancer Research	E	FP a(5)
No.	Contractor	Status	Contract Type & Authority
	(1 Jan 60 - 31 Jan 61)		
SUBJECT: Study post-irradiation syndrome in humans. (MD)			\$ 43,328.00
CDR R.L. Gade			
Mod 1	Amend "Method of Procedure" and extend time to 31 Jan 62.		\$ 39,410.00
Mod 2	Amend "Method of Procedure" and add reporting requirements. Time extension to 31 Mar 63.		\$ 40,482.00
Mod 3	Amend "Method of Procedure" and extend time to 31 Mar 64.		\$ 42,000.00
Mod 4	Time extension to 31 May 64.		\$ ---
Mod 5			\$
Mod 6			\$
Mod 7			\$
Mod 8			\$
			\$165,220.00

See [unclear] Apr 68
To [unclear] Jul 71

Performance Completed: 23 Mar 64

Contract CLOSED: 29 April 1965



Refund: \$ none

038	General Electric Company (TEMPO)	L	CPFF a(11)
No.	Contractor	Status	Contract Type & Authority
	(1 Mar 60 - 31 Mar 61)		
SUBJECT: Research and services incident thereto to provide certain aids for the study of high-altitude nuclear detonation effects.			\$ 273,974.00
Lt Col J.D. Brown			
Mod 1	Amend work scope and extend time to 31 May 62.		\$ 273,678.00
Mod 2 (BSD)	Additional work scope. subject to extension to 28 Feb 63 ES: 60: extension to 28 Feb 63		\$ 39,988.00
Maj Billy McCormack			
Mod 3	Additional work scope and time extension to 28 Feb 63. FY 60 overhead rates. BLUE ROCK & FISH BOWL		\$ 104,562.00
Mod 4 (FAA)	Additional work scope.		\$ 14,727.00
Mod 5	Change in reporting date.		\$ ---
Mod 6	Additional work scope and time extension to 30 Nov 63. FISH BOWL.		\$ 277,619.00
Mod 7	Time extension to 31 Jan 64.		\$ ---
Mod 8	Add "Data - Withholding of Payment".		\$ ---
Mod 9	Additional funds for overhead adjustment. (FY 61 - 63 OR)		\$11,718.00
			TOTAL: \$1,036,266.00

Sent to FREEM: 30 Sep 69
To be Destroyed Jul 74

Performance Completed: 31 Jan 64

Contract CLOSED: 12 Jun 68

Refund: \$ 689.00

039 No.	The Regents of the University of Michigan Contractor	E Status	Cost a(5) Contract Type & Authority
	(1 Apr 60 - 30 Apr 61)		
	SUBJECT: Develop and evaluate methods of computing and predicting (RA) transmission of thermal radiation through the atmosphere.		\$ 36,000.00
	Mr. J.W. Snyder		
	Mod 1	Time extension to 31 Oct 61.	\$ ---
	Mod 2	Overhead rates for FY 60 and 61.	\$ 6,551.00
	Mod 3	Time extension to 31 Aug 62. (for payment of final voucher only)	\$ ---
	Mod 4		\$
	Mod 5		\$
	Mod 6		\$
	Mod 7		\$
	Mod 8		\$
			\$ 42,551.00

*Sum: 21: apr 64
Total: closed Jul 71*

Performance Completed: *Nov 61*

Contract CLOSED: 13 Aug 65

Refund: \$ 89.32

040	C-E-I-R, Inc.	S	CPFF
No.	Contractor	Status	Contract Type & Authority
	- 31 Oct 1960		
SUBJECT: Conduct research relative to casualty assessment evaluations, (NMCSSC) specific targets and conditions considered.			\$ 64,957.00
CDR R.W. Bauman			
Mod 1	Addt'l work		\$ 33,000.00
Mod 2	Time extension to 31 Oct 61		\$ 80,000.00
Mod 3	Time extension to 30 Jun 62		\$ ---
Mod 4	Additional time to 30 Jun 63.		\$ --
Mod 5	Perform additional services for research relating to casualty assessment investigations.		\$ 20,009.00
Mod 6			\$
Mod 7			\$
Mod 8			\$
TOTAL:			\$ 197,966.00

TRANSFERRED TO DCA 1/10/64

Performance Completed:

Contract CLOSED:

Refund: \$

041	General Atomic	L	CPFF a(1)
No.	Contractor	Status	Contract Type & Authority
	(1 Jun 60 - 30 Apr 61) (pre-contract fm 1 Apr 60)		
SUBJECT: (RA)	Research studies concerned with molecular, atomic, electronic and ionic collision processes of interest in ionospheric phenomena.		\$ 65,637.00
<hr/> Dr. C.A. Blank <hr/>			
Mod 1	Changes in work scope and time extension to 31 May 62.		\$ 65,471.00
Mod 2	Changes in Scope of Work and time extension to 31 Jul 62.		\$ 50,000.00
Mod 3	Change in work scope and time extension to 30 Sep 63.		\$ 142,375.00
Mod 4	Additional work scope.		\$ 11,500.00
Mod 5	Change in work scope and time extension to 30 Nov 64. Change overhead rates from negotiated to audited.		\$ 199,850.00
Mod 6	Time extension to 9 Feb 65.		\$ ---
Mod 7			\$
Mod 8			\$
			\$ 534,833.00

Sent to OROEN: 30 Sep 69
To be Destroyed Jul 74

Performance Completed: 9 Feb 65

Contract CLOSED: 17 Aug 67

CLOSED

Refund: \$ none

042	Stanford Research Institute	NP	CPFF a(1)
No.	Contractor	Status	Contract Type & Authority
	(1 Apr 60 - 30 Sep 60)		
SUBJECT: Provide research incident to preliminary planning for (NMCSSC) implementation of DODDAC.			\$ 96,413.00
Lt Col C.F. Carter			
Mod 1	Time extension to 31 Mar 61		\$ ---
Mod 2	Overhead rates for entire contract.		\$ ---
Mod 3			\$
Mod 4			\$
Mod 5			\$
Mod 6			\$
Mod 7			\$
Mod 8			\$
			\$ 96,413.00

Sent to FROEN: 13 July 60
 To be Destroyed July 69

Performance Completed:

Contract CLOSED: 20 May 63



Refund: \$ 2,318.50

043	Stanford Research Institute	NP	CPFFa(1)
No.	Contractor	Status	Contract Type & Authority
	(1 May 60 - 31 Dec 61) (pre-contract fm 15 Mar 60)		
SUBJECT: (BS)	Conduct feasibility study of simulating underground effects of nuclear weapons.		\$ 185,665.00
60	<u>LCDR J.J. Healy</u>		
Mod 1	Specify date when provisions of ASPR Revision 50 are applicable to Contract		\$ ---
61			
Mod 2	Change negotiation authority from a(1) to a(11) and clarification of ARTICLE III - REIMBURSABLE COSTS.		\$ ---
62			
Mod 3	Overhead rates for FY 60 & 61.		\$ ---
63			
Mod 4			\$
Mod 5			\$
Mod 6			\$
Mod 7			\$
Mod 8			\$

Sent to FRCEN: 26 Sept 66
 To be Destroyed July 70

Performance Completed:

Contract CLOSED: 4 Jan 65

Refund: \$

044	Barry Controls	S	FP a(1)
No.	Contractor	Status	Contract Type & Authority
	(1 Jun 60 - 28 Feb 61)		
SUBJECT: Conduct research incident to evaluation of shock spectra. (BS)			\$ 29,944.00
Maj W.K. Stockdale			
Mod 1	To amend scope and extend time to 30 Apr 62.		\$ 49,396.00
Mod 2	Extend completion date to 30 Nov 62.		\$ --
Mod 3	Time extension to 31 Jan 63.		\$ ---
Mod 4	Time extension to 31 Mar 63.		\$ ---
Mod 5			\$
Mod 6			\$
Mod 7			\$
Mod 8			\$
			\$ 79,340.00

Sent to FRCEN: 13 July 66
To be Destroyed July 69

Performance Completed: 31 Mar 63

Contract CLOSED: 20 May 63

Refund: \$ none

045	Medical College of Virginia	E	Cost a(5)
No.	Contractor	Status	Contract Type & Authority
	(1 May 60 - 30 Sep 61)		
	SUBJECT: Study factors responsible for thermal injury. (MD)		\$ 79,400.00
60	LCDR R. Garver		
	Mod 1	Additional work and time extension to 30 Sep 62.	\$ 49,489.00
61			
	Mod 2	Change in reporting dates.	\$ ---
63			
	Mod 3	Change in work scope and time extension to 30 Nov 63.	\$ 77,000.00
63			
	Mod 4	Change in equipment to be purchased by Contractor.	\$ ---
63			
	Mod 5	Time extension to 30 Nov 64 <i>for continuation of research.</i>	\$ 60,000.00
	Mod 6	Correct appropriation number.	\$ ---
4-26-65 AF	Mod 7	Time extension to 28 Feb 65. Also overhead rates from beginning of Contract through 30 Jun 63.	\$ ---
	Mod 8	Overhead rates for FY 64 & 65	\$ 7,722.18
			\$ 273,611.18

Sent to PRLEN: 30 Sep 69
To be Destroyed Jul 74

Performance Completed: 1 Mar 65

Contract CLOSED:

7 Aug 67

CLOSED

Refund: \$ None

046	Lockheed Aircraft Corp.	I.	CFFC a(1)
No.	Contractor	Status	Contract Type & Authority
	(15 Jun 60 - 15 Jul 61)		
SUBJECT: Study of the production of retinal burns. (MD)			\$ 44,890.00

60

Maj. D. J. Corkhill			
Mod 1	Time extension to 15 Oct 61.		\$ ---

61

Mod 2	Time extension to 31 Dec 61.		\$ ---
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62

Mod 3	Overhead rates for FY 60 & 61.		\$ ---
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Mod 4			\$
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Mod 5			\$
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Mod 6			\$
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Mod 7			\$
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Mod 8			\$
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\$44,890.00

Sent to [unclear] Apr 68
To [unclear] Jul 71

Performance Completed: 31 Dec 61

Contract CLOSED: 26 Jul 65

Refund: \$ 1,924.23

047	C-E-I-R, Inc.	S	CPFF
No.	Contractor	Status	Contract Type & Authority
-31 Dec 1960			
SUBJECT: Provide technical, graphic and computer support to DODDAC study (NMCSSC) groups.			\$ 79,810.00
Lt Col C.F. Carter			
Mod 1	Addt'l work Time extension to 30 Jun 61		\$ 20,000.00
Mod 2	Time extension to Sep 30, 1961		\$ --
Mod 3			\$
Mod 4			\$
Mod 5			\$
Mod 6			\$
Mod 7			\$
Mod 8			\$
TOTAL:			\$99,810.00

TRANSFERRED TO DCA 1/7/64

Performance Completed:

Contract CLOSED:

Refund: \$

049 No.	General Atomic Contractor	S Status	CPFF a(1) Contract Type & Authority
	(1 Jun 60 - 30 Jun 61)		
	SUBJECT: Conduct study and analysis of ionized gases. (RA)		\$ 53,958.00
60	Dr. C.A. Blank		
	Mod 1	Amend Method of Operation and extend time to 31 Jul 62.	\$ 69,165.00
61	✓ Mod 2	Fy 61 & 62 overhead rates. Additional funds to cover upward adjustment of rates.	\$ 1,121.00
	Mod 3		\$
	Mod 4		\$
	Mod 5		\$
	Mod 6		\$
	Mod 7		\$
	Mod 8		\$
			\$124,244.00

Sent to [unclear] 2 APR 1969
To Be Destroyed *July 72*

Performance Completed: *1 Aug 62*

Contract CLOSED: *6 Apr 66*

Refund: \$.47

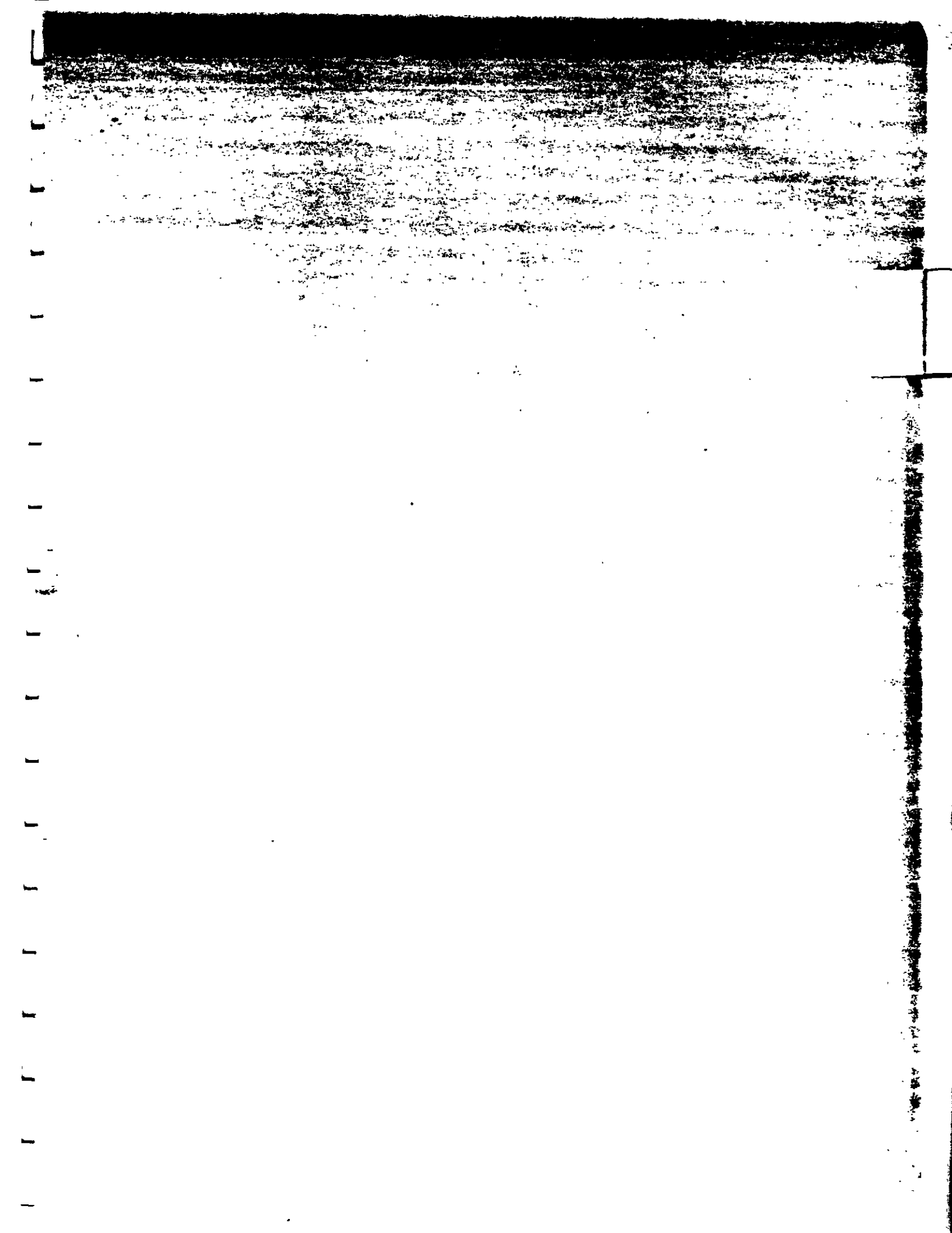
050 No.	United Research Services, Inc. Contractor	S Status	CPFF a(1) Contract Type & Authority
	(1 Jun 60 - 30 Jun 61)		
SUBJECT: Determine effects of topography on dynamic pressure, and investigate channeling effects of terrain on air blast. \$ 42,379.00 (BS)			
Maj Hugh Wynne Maj J.R. Hock			
Mod 1	Additional work scope and time extension to 31 Jul 62.		\$ 19,911.00
Mod 2	Time extension to 31 Aug 62.		\$ ---
Mod 3	Additional work scope and time extension to 30 Jun 63.		\$ 24,978.00
Mod 4	Correction of appropriation number shown on Mod 3.		\$ ---
Mod 5	Additional scope and time extension to 30 Sep 64. Overhead rates for FY 61 & 62.		\$ 34,911.00
Mod 6	Time extension to 30 Nov 64.		\$ ---
Mod 7	Time extension to 31 Jan 65.		\$ ---
Mod 8	Time extension to 31 Mar 65.		\$ ---
			\$ 122,179.00

Sent to FROEN: 2 APR 1969
To be Destroyed Jul 73

Performance Completed: 15 May 65

Contract CLOSED: 1 Nov 66

Refund: \$ 910.73



051	John I. Thompson & Company	S	CPFF
No.	Contractor	Status	Contract Type & Authority
	- 15 Feb 61		
SUBJECT: Prepare a portion of Volume III (Air Defense) for JAWPM. (NMCSSC)			\$ 72,800.00
LCDR R.W. Bauman			
Mod 1	Time extension to 31 Aug 61		\$ --
Mod 2	Time extension to 31 Aug 62		\$ ---
Mod 3	Time extantstion to 28 Feb 63		\$ --
Mod 4			\$
Mod 5			\$
Mod 6			\$
Mod 7			\$
Mod 8			\$
TOTAL:			\$72,800.00

TRANSFERRED TO DCA 12/27/63

Performance Completed:

Contract CLOSED:

Refund: \$

052 No.	The University of Rochester Contractor	E Status	Basic Agmt Contract Type & Authority
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SUBJECT: Provide instruction at U. of Rochester for DASA-sponsored student officers, 1960/1961 (TG) \$ ---

Dr. K. Oerlein

D.O. 2 - 14 Mod 1	Phase I of Advanced Course in Nuclear Science (1st Semester)		\$ 2,726.00
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D.O. 20 - 32 Mod 2	Same (2nd Semester)		\$ 663.00
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Mod 3			\$
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Mod 4			\$
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Mod 5			\$
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Mod 6			\$
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Mod 7			\$
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Mod 8			\$
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\$ 3,389.00

Sent to FREEM: 13 July 66
To be Destroyed July 67

Performance Completed:

Contract CLOSED: 8 May 61

Refund: \$ none

053	Stanford Research Institute	NP	CPFF
No.	Contractor	Status	Contract Type & Authority

- 31 May 1961

SUBJECT: Provide research and recommendations incident to design and (NMCSSC) implementation of DODDAC.

\$ 94,181.00

Lt Col C.F. Carter

Mod 1	Addt'l effort	\$ 26,750.00
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Mod 2	Close-out Mod.	\$ --
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Mod 3		\$
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Mod 4		\$
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Mod 5		\$
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Mod 6		\$
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Mod 7		\$
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Mod 8		\$
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TOTAL:	\$120,931.00
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TRANSFERRED TO DCA 1/3/64

Performance Completed:

Contract CLOSED:

Refund: \$

054 No.	Stanford Research Institute Contractor	NP Status	CPFF a(1) Contract Type & Authority
	(1 Jan 61 - 28 Feb 62)		\$ 44,245.00
SUBJECT: Research study of the radar data obtained during the HARDTACK nuclear test series, which data concerns principally the clutter effects associated with the nuclear detonation.			
61 Maj. G.R. Underhill			
61 Mod 1	Additional work scope. <i>Publication of 1961 ARGUS Meeting Report</i>		\$ 3,796.00
62 Mod 2	Revision of REIMBURSABLE COSTS article and update general provisions.		\$ ---
62 Mod 3	Time extension to 31 Aug 62.		\$ ---
62 Mod 4	Additional work scope and time extension to 30 Jun 63. <i>Beta-Beta data analysis.</i>		\$ 50,809.00
63 Mod 5	Time extension to 31 Oct 63. Overhead rates for FY 61.		\$ ---
Mod 6	Inclusion of Data-Withholding of Payment & Cataloging Info. Time extension to 30 Sep 64.		\$ ---
Mod 7	Time extension to 31 Jan 65. and FY 62 overhead rates.		\$ ---
Mod 8	Overhead rates for FY 63 & 64		\$ ---
Mod 9	Overhead rates for FY 65		\$ ---
			\$ 98,850.00

Sent to FRGEN: 30 Sep 69
To be Destroyed Jul 74

Performance Completed: 31 Jan 65

Contract CLOSED:

19 Apr 67

Refund: \$ 326.23

The Lovelace Foundation for Medical Education E
 Contractor Status Contract Type & Authority
 (1 Oct 60 - 31 Oct 62) Cost a(5)
 \$ 490,000.00

OBJECT: Provide data on biological effects of blasts from bombs.
 (MD)

Maj J.L. Terry

Mod 1 Additional work scope and time extension to 30 Nov 63. \$ 350,000.00

Mod 2 Additional work and overhead rates for FY 61 & 62. \$ 52,600.00
Australian Blow Down experiment.

Mod 3 Additional work and time extension to 30 Nov 64. \$ 350,000.00

Mod 4 Additional work and time extension to 31 Dec 64. \$ 140,000.00
 SNOWBALL

Mod 5 Correction of appropriation number shown on Mod 4. \$ ---

Mod 6 Additional work; additions to Contractor's purchase of equipment. \$ 71,600.00

Mod 7 Time extension to 30 Jun 65. \$ ---

Mod 8 Biological target studies. \$ 25,000.00
 NOTS

Sent to FRCEN:
 To be Destroyed

Program under *Aug 74*
 Money expended:
 NOTS \$259,159.60
 REGULAR: 1,381,870.87
 TOTAL: \$1,641,030.47
Jul 79

~~1,641,030.47~~
~~1,381,870.87~~
~~259,159.60~~

Performance Completed: Nov 67

Contract CLOSED:

(21 Sept 72)

CLOSED

Refund: \$

cont

056	University of Pennsylvania	E	Cost a(5)
No.	Contractor	Status	Contract Type & Authority
	(1 Oct 60 - 30 Nov 61)		
SUBJECT: Study effects of heating skin and subcutaneous tissues by (MD) microwave radiation.			\$ 11,565.00

61

Maj. D.J. Corkhill

Mod 1	Overhead rates for contract period.	\$ ---
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63

Mod 2		\$
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Mod 3		\$
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Mod 4		\$
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Mod 5		\$
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Mod 6		\$
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Mod 7		\$
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Mod 8		\$
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\$ 11,565.00

Sent to GREEN: 13 July 66
To be Destroyed July 69

Performance Completed: 31 Sep 61

Contract CLOSED: 9 Aug 65 **CLOSED**

Refund: \$ 2,094.75

057	Stanford Research Institute	NP	CPFF a(1)
No.	Contractor	Status	Contract Type & Authority
	(1 Oct 60 - 31 Aug 61)		
SUBJECT: (FC)	Make archaeological excavations and analysis of certain frangible materials at NTS.		\$ 17,208.00

LCDR C. Courtright

Mod 1	Revise ARTICLE III - REIMBURSABLE COSTS		\$ ---
Mod 2	Overhead rates for FY 60 & 61		\$ ---
Mod 3			\$
Mod 4			\$
Mod 5			\$
Mod 6			\$
Mod 7			\$
Mod 8			\$
			\$ 17,208.00

Sent to FRCEN: 13 July 66
 To be Destroyed July 69

Performance Completed:

Contract CLOSED: 20 May 63

Refund: \$ 245.83

058 No.	Cornell University Contractor	E Status	Cost a(5) Contract Type & Authority
	(1 Oct 60 - 30 Nov 61)		
	SUBJECT: Study biomedical dosimetry and response to internal and external radiation. (MD)		\$ 102,500.00
61 CDR R.L. Gade			
Mod 1	Change in technical objectives and time extension to 30 Nov 62.		\$ 72,760.00
62			
Mod 2	Additional work and time extension to 30 Nov 63.		\$ 80,000.00
63			
Mod 3	Time extension to 30 Nov 64. Overhead rates for FY 61, 62 & 63.		\$ 75,000.00
Mod 4	Time extension to 15 Mar 65 and remaining overhead rates.		\$ ---
Mod 5			\$
Mod 6			\$
Mod 7			\$
Mod 8			\$
Follow-up 63			\$ 330,260.00

Sent to FREEM: 2 APR 1969
To be Destroyed *Jan 73*

Performance Completed: 5 Jul 65

Contract CLOSED: 18 May 67

Refund: \$ 1,529.60

059	C-E-I-R, Inc.	S	FP a(1)
No.	Contractor	Status	Contract Type & Authority
	(15 Sep 60 - 31 Mar 61)		
SUBJECT: Research and graphic services relating to the preparation of maps for use in Joint Atomic Weapons Planning Manual (JAWPM)			\$ 48,000.00
Mod 1			\$
Mod 2			\$
Mod 3			\$
Mod 4			\$
Mod 5			\$
Mod 6			\$
Mod 7			\$
Mod 8			\$
			\$48,000.00

~~RESTRICTED TO DISSEMINATION~~

Sent to FRCEN: 13 July 66
To be Destroyed July 67

Performance Completed: 29 Nov 60

Contract CLOSED: 17 Jun 63

Refund: \$ none

060	Thompson Ramo Wooldridge, Inc.	L	CPFF
No.	Contractor	Status	Contract Type & Authority
	- 31 Mar 62		
SUBJECT: Provide display equipment and services incident to NMCSSC. (NMCSSC)			\$ 1,085,311.00

<u>Lt R.L. Colier</u>			
Mod 1	Addt'l work		\$ 378,603.00
Mod 2	Addt'l work.		\$461,545.00
Mod 3	Addt'l work Time extension to 31 Dec 62		\$146,566.00
Mod 4	Addt'l work		\$ 57,316.00
Mod 5	Asst Installation, check-out of DodDAC		\$ 59,926.00
Mod 6	TimOverhead adjustment and addt'l work re: full color display system Time extension to 31 Mar 63		\$ 131,784.00
Mod 7			\$
Mod 8			\$
TOTAL:			\$2,321,051.00

TRANSFERRED TO DCA 3/20/64

Performance Completed:

Contract CLOSED:

Refund: \$

061 No.	Massachusetts Institute of Technology Contractor	E Status	Cost a(5) Contract Type & Authority
	(1 Dec 60 - 28 Feb 62)		
	SUBJECT: Conduct study of dynamic load and shear tests of reinforced concrete items. (BS)		\$ 39,900.00
61 Maj W.K. Stockdale			
62	Mod 1	Add "Advance Payments".	\$ ---
62	Mod 2	Time extension to 30 Jun 62.	\$ ---
62	Mod 3	Time extension to 31 Dec 62.	\$ ---
62	Mod 4	Time extension to 31 Mar 63.	\$ ---
63	Mod 5	Overhead rates for FY 61, 62 and 63.	\$ ---
	Mod 6		\$
	Mod 7		\$
	Mod 8		\$

Sent to RUBIN: 2 APR 1969
To be Destroyed Jul 72

\$39,900.00

Performance Completed: 14 Jun 63

Contract CLOSED: 13 May 66

Refund: \$ 372.49

062	Southwest Research Institute	MR S	CPFF a(1)
No.	Contractor	Status	Contract Type & Authority
	(1 Feb 61 - 31 Jan 62)		
SUBJECT: Research services incidental to design, construction and operational checkout of an experimental dynamic drag-test facility.			\$ 74,224.00

61
Maj. H. Wynne

61
Mod 1 Change in work scope and provide funds for purchase of equipment. \$ 20,885.00

62
Mod 2 Time extension to 30 Apr 62. \$ ---

62
Mod 3 Additional work. ~~XXXXXXXXXXXXXXXXXXXX~~ \$ 29,797.00

62
Mod 4 Time extension to 31 Aug 62. \$ ---

62
Mod 5 Addition of 2 experimental runs to technical scope. \$ 11,527.00

63
Mod 6 Time extension to 30 Nov 62. \$ ---

63
Mod 7 Time extension to 31 May 63. \$ ---

63
Mod 8 Overhead rates for entire contract period. \$ ---

\$136,433.00

Sent to FRCEN: 26 Sept 66
To be Destroyed July 70

Performance Completed: 4 Sep 62

Contract CLOSED: 21 April 1965

CLOSED

Refund: \$ none

063	Edgerton, Germeshausen & Grier (Boston)	L	FP a(1)
No.	Contractor	Status	Contract Type & Authority
	(1 Nov 60 - 30 Apr 61)		
SUBJECT: Research concerning electromagnetic effects for nuclear tests. (RA)			\$ 9,775.00

CDR W.W. Ennis

Mod 1 \$

Mod 2 \$

Mod 3 \$

Mod 4 \$

Mod 5 \$

Mod 6 \$

Mod 7 \$

Mod 8 \$

\$ 9,775.00

Sent to FRCEN: 13 July 66
To be Destroyed July 68

Performance Completed:

Contract CLOSED: 29 Aug 61

Refund: \$ none

064	IIT Research Institute	NP	CPFF a(11)
No.	Contractor	Status	Contract Type & Authority
	(1 May 61 - 31 Dec 62)		
	SUBJECT: Conduct feasibility study of a large blast simulation device. (BS)		\$ 107,144.00
61 Maj F.H. Henk			
Mod 1	Change in report date.		\$ ---
62 Mod 2 Overhead rates for FY 61.			
63 Mod 3 Time extension to 31 Jul 63.			
Mod 4 Time extension to 31 Dec 63.			
Mod 5 Time extension to 31 Mar 64. Overhead rates for FY 62.			
Mod 6			
Mod 7			
Mod 8			
			\$ 107,144.00

Sent to ERGEN: 12 APR 1969
To be destroyed *Quil 73*

Performance Completed: 28 Jul 64

Contract CLOSED: 21 Nov 66

Refund: \$ none

065	E.H. Plesset Associates, Inc.	S	CPFF a(11)
No.	Contractor	Status	Contract Type & Authority
	(1 Feb 61 - 31 Mar 62) (pre-contract fm 1 Jan 61)		
SUBJECT: Provide a technical summary of high altitude nuclear weapons effects. (RA)			\$ 198,000.00
Maj. C. Hulburt			
Mod 1	Change overhead rate determination from negotiation to audit.		\$ ---
Mod 2	Time extension to 31 Jul 62.		\$ ---
Mod 3	Time extension to 30 Sep 62.		\$ ---
Mod 4	Time extension to 31 Jan 63.		\$ ---
Mod 5	Time extension to 30 Apr 63. Overhead rates for FY 61.		\$ 14,343.00
Mod 6	Additional work and time extension to 15 Jul 63. Overhead rates for FY 62.		\$ 16,535.00
Mod 7	Time extension to 30 Sep 63. FY 63 overhead rates.		\$ 4,532.00
Mod 8			\$
			\$ 233,410.00

Sent to PROEN: 2 APR 1969
 To be Destroyed Jul 72

Performance Completed: 15 Jul 63

Contract CLOSED: 4 Jun 66

Refund: \$ none

066 No.	United Research Services, Inc. Contractor	S Status	CPFF a(1) Contract Type & Authority
	(1 Apr 61 - 31 Oct 61)		
SUBJECT: Design and fabricate six dynamic pressure gages. (BS)			\$ 9,940.00

Capt W.K. Stockdale

Mod 1	Additional funds for testing and time extension to 30 Nov 61.		\$ 2,516.00
Mod 2	Overhead rates		\$ ---
Mod 3			\$
Mod 4			\$
Mod 5			\$
Mod 6			\$
Mod 7			\$
Mod 8			\$
			\$ 12,456.00

Sent to FRCEN: 13 July 66
To be Destroyed July 69

Performance Completed: 13 Dec 61

Contract CLOSED: 18 Apr 63

Refund: \$ none

067	Stanford Research Institute	NP	CPFF a(1)
No.	Contractor	Status	Contract Type & Authority
	(1 Apr 61 - 31 Mar 62)		
SUBJECT: Conduct study of auroral simulation (RA)			\$ 25,056.00

4(Maj. J.E. Mock

Mod 1	Time extension to 30 Sep 62.	\$ ---
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Mod 2	Time extension to 30 Jun 63.	\$ ---
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Mod 3	Time extension to 15 Aug 63.	\$ ---
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Mod 4	FY 61 & 62 overhead rates.	\$ ---
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Mod 5	FY 63 overhead rates.	\$ ---
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Mod 6		\$
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Mod 7		\$
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Mod 8		\$
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Sent to FROEN: 2 APR 1969
To be Destroyed Jul 72

\$ 25,056.00

Performance Completed: 1 Aug 63

Contract CLOSED: 11 Feb 66

Refund: \$ 152.82

068	The Trustees of Columbia University	E	Cost a(5)
No.	Contractor	Status	Contract Type & Authority
	(1 Jan 61 - 30 Nov 61)		
SUBJECT: Study of toxic factors in thermal burns. (MD)			\$ 53,375.00
LCDR R. Garver			
Mod 1	Additional work and time extension to 31 Jan 63.		\$ 50,000.00
Mod 2	Time extension to 31 Jan 64. FY 61 overhead rates.		\$ 55,000.00
Mod 3	Additional work and time extension to 31 Jan 65. FY 62 overhead rates.		\$ 35,500.00
Mod 4	Time extension to 30 Jun 65 and incorporation of FY 63 overhead rates.		\$ ---
Mod 5	Time extension to 28 Feb 66.		\$ ---
Mod 6	Revise cost principles.		\$ ---
Mod 7	OH rates for FY 63 and FY 64		\$ ---
Mod 8	OH rates for FY's 65, 66.		\$ ---

Sent to EROEN: *May 72*
To be Destroyed *Jul 77*

TOTAL: \$193,875.00
PAID: 193,875.00

Performance Completed: *15 Jan 66*

Contract CLOSED: *5 Apr 71* **CLOSED**

Refund: \$ - 0 -

069	Control Data Corp.	L	Cost
No.	Contractor	Status	Contract Type & Authority
		- 30 Jun 64	
SUBJECT: Provide computer and peripheral equipment incident to NMCSSC. (NMCSSC)			\$ 1,579,697.00
Maj. W.R. Smith			
Mod 1	Dod DAC - Computer complex		\$ --
Mod 2	Change accounting and appropriation data		\$ --
Mod 3	Change equipment to substitute 1612 Printer for 1606 Printer (no cost) and add money for transportation charges to effect same.		\$ 400.00
Mod 4	Bryant disc for period up to 30 Jun 1963		\$ 70,000.00
Mod 5	Administrative change order for accounting purposes.		\$ ---
Mod 6	Delete Model 320 Storage disc (Bryant) from this contract		- \$ 70,000.00 (Decrease)
Mod 7			\$
Mod 8			\$
TOTAL:			\$1,580,097.00

TRANSFERRED TO DCA 5/22/64

Performance Completed:

Contract CLOSED:

Refund: \$

070	System Development Corp.	L	CPFF
No.	Contractor	Status	Contract Type & Authority
	- 28 Feb 62		
SUBJECT: Provide programming, model and system design services incident (NMCSSC) to NMCSSC.			\$ 3,001,670.00
<u>Mr. R.B. Treadway</u>			
Mod 1	Time extension to 31 May 62		\$ 416,727.00
Mod 2	Addt'l work		\$ 280,481.00
Mod 3	Addt'l work Time extension to 31 Aug 62		\$ 477,271.00
Mod 4	Time extension to 28 Feb 63		\$ 851,274.00
Mod 5	Tme extension to 31 Mar 63		\$ 65,000.00
Mod 6	Time extension to 31 Dec 63		\$ 139,993.00
Mod 7			\$
Mod 8			\$
TOTAL:			\$5,232,416.00

TRANSFERRED TO DCA 3/4/64

Performance Completed:

Contract CLOSED:

Refund: \$

Stanford Research Institute

NP

CPFF a(11)

Contractor

Status

Contract Type
& Authority

(15 Mar 61 - 30 Jun 62)(pre-contract fm 15 Feb 61)

\$ 482,060.00

SUBJECT: Study to obtain and interpret data on underground motion from appropriate detonations in the NOUGAT series of underground explosions.

Maj. J. Cahoon

Mod 1 Change contract title and part of Technical Objective. \$ ---

Mod 2 Additional work. \$ 4,400.00
(ARPA)

Mod 3 Time extension to 30 Jun 63. \$ ---

Mod 4 Delete work in Mod 2. FY 61 overhead rates. decrease \$ 4,400.00

Mod 5 Time extension to 30 Jun 64. \$ ---

Mod 6 Time extension to 15 Aug 64. \$ ---

Mod 7 FY 62 overhead rates. \$ ---

Mod 8 Reduce funds. \$ 50,000.00
DECREASE

Mod 9 FY 63 and 64 overhead rates \$ --

\$ 432,060.00

sent to [unclear] 30 Sep 64
To be Destroyed Jul 74

Performance Completed: 5 Aug 64

Contract CLOSED: 20 Feb 67

Refund: \$ 16,850.18

072	The Hahnemann Medical College and Hospital of	E	Cost a(5)
No.	Contractor	Philadelphia	Status
			Contract Type & Authority

(1 Jan 61 - 28 Feb 62)

SUBJECT: Study the biochemical effects of thermal stress.
(MD)

\$ 19,500.00

61
LCDR R. Garver

62
Mod 1 Additional work and time extension to 30 Sep 62. \$ 5,000.00

62
Mod 2 Additional work. \$ 6,000.00

63
Mod 3 Time extension to 30 Sep 63. \$ 25,000.00

63
Mod 4 Fy 61 overhead rates. \$ ---

63
Mod 5 Additional technical scope and time extension to 31 Aug 64. \$ 15,000.00

63
Mod 6 Additional funds for overhead adjustment and overrun. ~~Time~~ \$ 8,000.00
~~extension to 30 Sep 63~~ FY 63 overhead rates.

63
Mod 7 FY 64 overhead rates. \$ ---

63
Mod 8 \$

\$ 78,500.00

Sent to TRCEN: 8 APR 1969
To be Destroyed Jul 72

Performance Completed: 19 Nov 64

Contract CLOSED: 25 Feb 66

Refund: \$ none

073 No.	E.H. Plesset Associates, Inc. Contractor	S Status	CPFF a(11) Contract Type & Authority
	(15 Jun 61 - 15 Nov 62)		
	SUBJECT: Study of effects from nuclear explosions of ground shock in the high overpressure region. (BS)		\$ 161,284.00
Maj. M.E. Barnes			
Mod 1	Change overhead rates from negotiated to audited.		\$ ---
Mod 2	Additional work (DANNY BOY).		\$ 23,307.00
Mod 3	Change in reporting dates and time extension to 15 Mar 63.		\$ 15,006.00
Mod 4	Overhead rates for FY 61 and time extension to 30 Apr 63.		\$ 18,026.00
Mod 5	Overhead rates for FY 62.		\$ ---
Mod 6	Additional funds for overhead adjustment.		\$ 2,295.77
Mod 7	Overhead rates for FY 63.		\$ ---
Mod 8			\$
			\$219,918.77

Sent to [unclear]: 2 APR 1969
 To be destroyed [unclear] 72

Performance Completed: 30 Apr 63

Contract CLOSED: 4 Aug 65

Refund: \$ 414.65 (check)
 (costs billed twice)

074	Stanford Research Institute	NP	CPFF
No.	Contractor	Status	Contract Type & Authority
	- 31 May 62		
SUBJECT: Research study designed to develop statistical methods of damage assessment to be used by DODDAC.			\$ 168,632.00

Capt D.M. Callero

Mod 1	Time extension to 31 Dec 62	\$ --
Mod 2	Time extension to 31 Jan 63	\$ --
Mod 3		\$
Mod 4		\$
Mod 5		\$
Mod 6		\$
Mod 7		\$
Mod 8		\$
TOTAL:		\$168,632.00

TRANSFERRED TO DCA 1/10/64

Performance Completed:

Contract CLOSED:

Refund: \$

075	Geophysics Corp. of America	L	CPFF a(1)
No.	Contractor	Status	Contract Type & Authority
	(15 May 61 - 31 Aug 62)		
	SUBJECT: Motion of debris from high-altitude nuclear detonations.		\$ 92,330.00
	(ARPA)		
Maj. C. Hulburt, RA			
Mod 1	Additional work and time extension to 15 Feb 64.		\$ 112,791.00
Mod 2	Change overhead rates from negotiated to audited.		\$ ---
Mod 3	Time extension to 15 Jun 64.		\$ ---
Mod 4	Time extension to 15 Sep 64.		\$ ---
Mod 5	Change overhead rates to "negotiated." Incorporate FY 61 & 62 rates.		\$ ---
Mod 6	FY 63 and FY 64 overhead rates.		\$ ---
Mod 7			\$
Mod 8			\$
			\$ 205,121.00

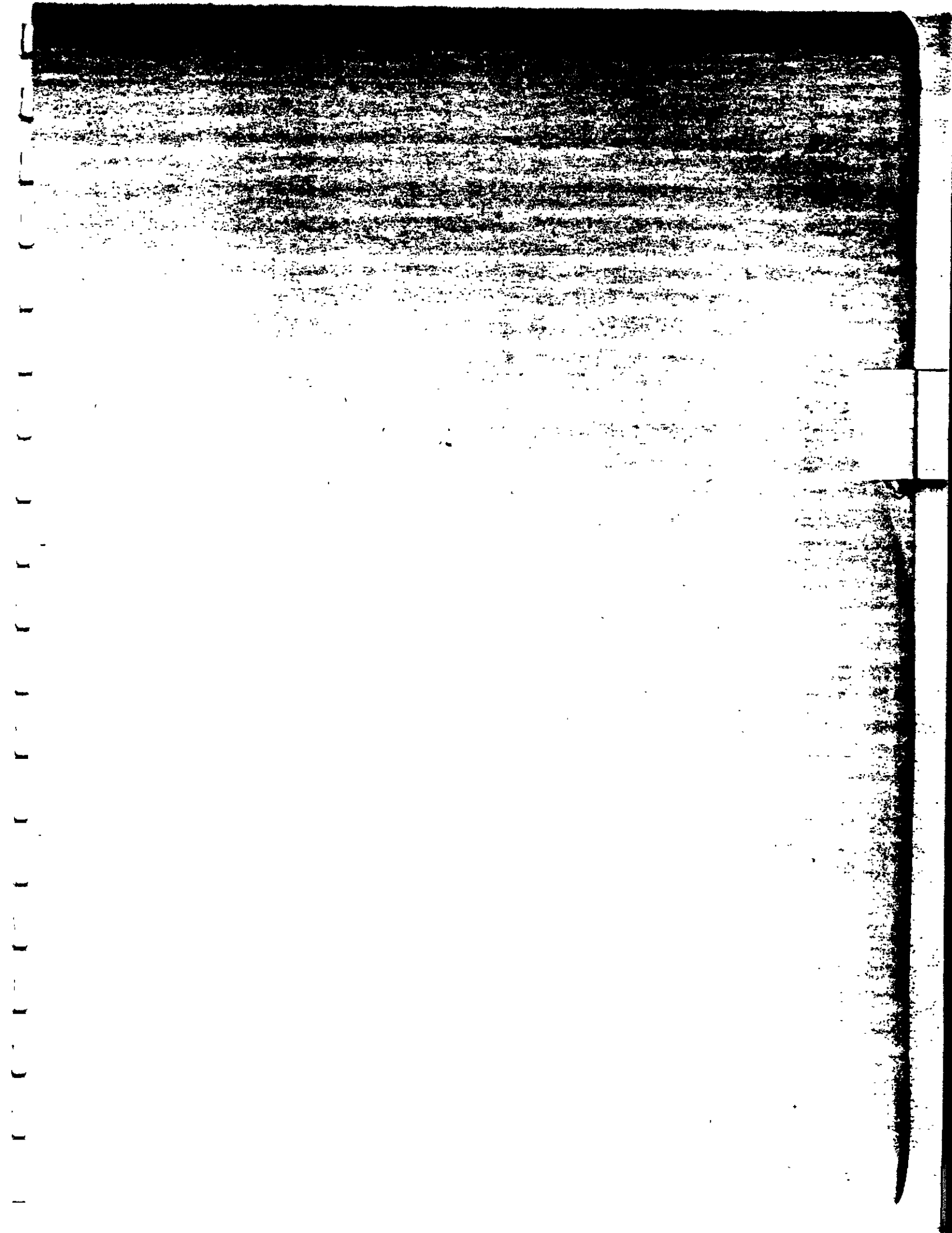
Sent to FROEN: 30 Sep 69
 To be Destroyed Jul 74

Performance Completed: 15 Sep 64

Contract CLOSED: 29 Nov 67

Refund: \$ 2,314.31

63
63
5-23-66 11-15-66
BFB



076	General Atomic	L	CPFF a(11)
No.	Contractor	Status	Contract Type & Authority
	(1 May 61 - 31 Dec 61) (pre-contract fm 1 Apr 61)		
SUBJECT: Research and services necessary to devise and establish objectives, routines and procedures essential to continuous operation of reactor at Naval Medical Center, Bethesda, Md (training personnel at General Atomic)			\$ 182,300.00
Col R.H. Holmes			
Mod 1	Time extension to 28 Feb 62.		\$ ---
Mod 2	Time extension to 30 Apr 62.		\$ ---
Mod 3	Change in work scope and time extension to 31 Oct 62.		\$ ---
Mod 4	Time extension to 30 Nov 62.		\$ 4,000.00
Mod 5	Additional work scope and time extension to 15 May 63. LINAC		\$ 4,900.00
Mod 6	FY 61 overhead rates.		\$ ---
Mod 7	FX-62 overhead rates Change overhead rates from negotiated to audited.		\$ ---
Mod 8			\$
			\$ 191,200.00

Sent to FREEN: 2 APR 1969
 To be employed *Jan 73*

Performance Completed: 28 May 63

Contract CLOSED: 16 Jun 67

Refund: \$ 4,751.80

077	Technical Operations, Inc.	S	CPFF
No.	Contractor	Status	Contract Type & Authority
- 30 Jun 61			
SUBJECT: Provide assistance to DCS/DAS in developing a capability in the (NMCSSC) DODDAC to support JCS in Joint War Games operations.			\$ 49,900.00

CDR R.W. Stell

Mod 1	Time extension to 31 Dec 61		\$ --
Mod 2			\$
Mod 3			\$
Mod 4			\$
Mod 5			\$
Mod 6			\$
Mod 7			\$
Mod 8			\$
TOTAL:			\$ 49,900.00

TRANSFERRED TO DCA 1/6/64

Performance Completed:

Contract CLOSED:

Refund: \$

078	General Electric Company (TEMPO)	L	CPFF a(11)
No.	Contractor	Status	Contract Type & Authority
	(15 Jun 61 - 15 Aug 62)		
SUBJECT: Research and related services to establish and maintain a High-altitude Nuclear Effects Data Center.			\$ 211,500.00
Lt Col J. Brown			
Mod 1	Additional work and time extension to 15 Nov 62. <i>Beta - Beta</i>		\$ 50,010.00
Mod 2	Include funds for contractor purchase of equipment.		\$ 25,072.00
Mod 3	Additional work and time extension to 15 Nov 63. <i>Delta - Gamma + FISH BOWL</i>		\$ 317,477.00
Mod 4	Additional work, (pre-mod costs fm 31 Aug 62) <i>DASA Symposium (9)</i>		\$ 98,880.00
Mod 5	Additional technical scope and time extension to 15 Feb 64.		\$ 95,605.00
Mod 6	Time extension to 31 May 64.		\$ ---
Mod 7	Overhead Rates for FY/62. <i>61 &</i>		\$ ---
Mod 8	Add'l funds to cover oh adjustments. '63 and '64 OH rates.		\$ 1,294.65

Sent to FROEN: Jan 72
To be Destroyed Jul 76

TOTAL: \$799,838.65
PAID: 799,838.65

Performance Completed: 31 May 64

Contract CLOSED: 18 Feb 70

CLOSED

Refund: \$ - 0 -

079	Isotopes, Inc.	L	CPFF a(11)
No.	Contractor	Status	Contract Type & Authority
	(1 May 61 - 30 Jun 62)		
	SUBJECT: Scientific analysis of radioactive fallout debris. STARDUST (RA) HASP		\$ 159,895.00
Capt A.V. Polk			
Mod 1	Deletion of 2 items of GFP.		\$ ---
Mod 2	Additional work; authorization to purchase equipment; change overhead rates from negotiated to audited. STARDUST		\$ 384,364.00
Mod 3	Additional work scope and time extension to 30 Apr 63.		\$ 63,470.00
Mod 4	Additional work and time extension to 30 Sep 63. Authorization to purchase additional equipment.		\$ 689,325.00
Mod 5	Changes and additions to work scope and time extension to 1 Jan 65.		\$ 688,111.00
Mod 6	Additional work and time extension to 1 Jan 66.		\$ 543,460.00
Mod 7	Change of Scope of Work		\$ 9,990.00
Mod 8	Additional analysis and time extension to 30 Nov 66.		\$ 246,996.00

Performance Completed:

Contract CLOSED:

080	C-E-I-R, Inc.	S	CPFF
No.	Contractor	Status	Contract Type & Authority
- 15 Mar 62			\$ 65,836.00
SUBJECT: Provide programming model construction, computer time and reproduction services incident to preparation of the missile volume of the Joint Atomic Weapons Planning Manual.			
Mr. T.R. Epperson			
Mod 1	Time extension to 31 Jul 62		\$ --
Mod 2	Addt'l work Time extension to 30 Nov 62		\$ 6,185.00
Mod 3	Addt'l work-time extension to 28 Feb 63		\$ 4,372.00
Mod 4			\$
Mod 5			\$
Mod 6			\$
Mod 7			\$
Mod 8			\$
TOTAL:			\$76,393.00

TRANSFERRED TO DCA 1/7/64

Performance Completed:

Contract CLOSED:

Refund: \$

081 No.	Control Data Corp. Contractor	L Status	FP a(11) Contract Type & Authority
	(15 Jan 61 - 31 Dec 61)		
SUBJECT: Provide one storage disc (Bryant) in connection with establishment (NMCSSC) of DODDAC.			\$ 315,000.00

Maj W.R. Smith

Mod 1	Add "Liquidated Damages" and extend time to 31 Dec 62.	\$ ---
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Mod 2	Time extension to 31 Mar 63.	\$ ---
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Mod 3	Time extension to 15 Jul 63.	\$ ---
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Mod 4	Termination for convenience of Government (no-cost)	\$ ---
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Mod 5		\$
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Mod 6		\$
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Mod 7		\$
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Mod 8		\$
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\$ 315,000.00

Sent to FRCEN: 13 July 66
To be Destroyed July 69

Performance Completed:

Contract CLOSED: 27 Dec 62

Refund: \$ 315,000.00

082 No.	Defence Research Board (Canadian Joint Staff) Contractor	Govt Status	Cost a(1) Contract Type & Authority
	(1 Apr 61 - 31 Dec 61)		
SUBJECT: Services related to research concerning 100-ton TNT shot scheduled for Aug 61 at Suffield Experimental Station (SES) Ralston, Alberta. (BS)			\$ 35,000.00

61

LCDR W.A. Walls

Mod 1 \$

Mod 2 \$

Mod 3 \$

Mod 4 \$

Mod 5 \$

Mod 6 \$

Mod 7 \$

Mod 8 \$

\$ 35,000.00

Sent to FRCEN: 13 July 66
To be Destroyed July 67

Performance Completed:

Contract CLOSED: 27 Feb 62

Refund: \$ 9,683.11

083	General American Transportation Corp.	L	CPFF a(1)
No.	Contractor	Status	Contract Type & Authority
	(15 Jun 61 - 15 Aug 62)		
	SUBJECT: Deduction of shock testing methods and facilities criteria. (BS)		\$ 48,810.00
<i>61</i> Mai M.E. Barnes			
<i>62</i> Mod 1	Change in contract title.		\$ ---
<i>62</i> Mod 2	Time extension to 15 Nov 62.		\$ ---
<i>63</i> Mod 3	Time extension to 1 Jan 63.		\$ ---
Mod 4	Time extension to 31 Jan 63. FY 61 and 62 overhead rates.		\$ ---
Mod 5	Change of company name and address Final overhead rates.		\$ ---
Mod 6			\$
Mod 7			\$
Mod 8			\$
Sent to FREEM: 2 Nov 1969 To be Destroyed <i>Jan 72</i>			\$ 48,810.00

Performance Completed: *15 Dec 62*

Contract CLOSED: 24 Aug 65

CLOSED

Refund: \$ 341.19

084	McGraw-Hill Book Company, Inc.	L	CPFF a(1)
No.	Contractor	Status	Contract Type & Authority
	(1 Apr 61 - 31 Mar 62)		
	SUBJECT: Assist DASA with versions of TM 23-200 "Capabilities of Atomic Weapons" (TP&P)		\$ 26,387.00
<hr/> Miss C.J. Downey <hr/>			
Mod 1	Time extension to 31 Dec 62.		\$ ---
Mod 2	Time extension to 31 Dec 63.		\$ ---
Mod 3	Additional pages required and additional copies. Time extension to 30 Jun 64.		\$ 14,671.00
Mod 4	Change in Method of Procedure and time extension to 30 Sep 64. Change overhead rates from negotiated to audited.		\$ 4,606.00
Mod 5	Time extension to 1 Nov 64.		\$ ---
Mod 6	Additional funds for overhead adjustment.		\$ 3,080.73
Mod 7			\$
Mod 8			\$
			\$ 48,744.73

Sent to FROEN: 2 APR 1969

To be Destroyed *Jul 72*

Performance Completed: *29 Oct 64*

Contract CLOSED: *30 Jun 66*

Refund: \$ none

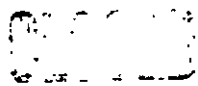
085	Iowa State University of Science & Technology	E	Cost a(5)
No.	Contractor	Status	Contract Type & Authority
	(30 Apr 61 - 30 Sep 62)		
	SUBJECT: Research study of loads on underground structures. (BS)		\$ 33,750.00
61	Maj M.E. Barnes		
	Mod 1 Additional funds to cover increase in overhead.		\$ 2,713.00
62	Mod 2 Time extension to 1 Jan 63.		
			\$ ---
63	Mod 3 Time extension to 31 Mar 63.		
			\$ ---
63	Mod 4 Time extension to 31 Jul 63.		
			\$ ---
	Mod 5 Final overhead rates for entire period of contract. Time extension to 30 Sep 63.		\$ 937.15
	Mod 6		\$
	Mod 7		\$
	Mod 8		\$
			\$ 37,430.15

Sent to ERDEN: apr 68
To be Destroyed Jul 71

Performance Completed: 30 Sep 63

Contract CLOSED: 31 Dec 64

Refund: \$ 247.01



086	The Regents of the University of California	E	FP a(5)
No.	Contractor	Status	Contract Type & Authority
	(1 Jun 61 - 31 Dec 61)		
SUBJECT: Provide computer services in support of DODDAC.			\$ 20,000.00
Mod 1	Additional computer services.		\$ 20,000.00
Mod 2	Additional computer services.		\$ 12,228.80
Mod 3			\$
Mod 4			\$
Mod 5			\$
Mod 6			\$
Mod 7			\$
Mod 8			\$
			52,228,80

Sent to FRCEN: 13 July 66
 To be Destroyed July 69

Performance Completed:

Contract CLOSED: 10 Dec 62

Refund: \$ none

087	The Board of Trustees of the Leland Stanford, Jr. University	E	Cost a(5)
No.	Contractor	Status	Contract Type & Authority

(15 May 61 - 15 Jan 62)

SUBJECT: Analyze and report certain VLF and related data obtained during the ARGUS experiments.

\$ 20,000.00

61 (ARPA)

Maj G.R. Underhill

Mod 1 Time extension to 31 May 62.

\$ ---

62

Mod 2 Time extension to 30 Jun 62.

\$ ---

62

Mod 3 Time extension to 15 Aug 62.

\$ ---

62

Mod 4 Time extension to 15 Apr 63.

\$ ---

63

Mod 5 Time extension to 30 Sep 63.

\$ ---

63

Mod 6

\$

Mod 7

\$

Mod 8

\$

\$ 20,000.00

Sent to FROEN: 2 APR 1969
To be Destroyed Jul 73

Performance Completed: 31 Jan 64

Contract CLOSED: 14 Nov 66

Refund: \$ 177.08

089	Engineering-Physics Company Contractor	Status	CPFF a(1) Contract Type & Authority
	(1 Jun 61 - 31 Jul 62)		
	SUBJECT: Study and develop a theoretical and computational approach to the problem of understanding the origin and development of the close-in seismic signature from an underground nuclear detonation to the end result that characteristic differences from earthquake sources may be established. <i>VELA-UNIFORM</i> (BS) (ARPA)		\$ 35,057.00
	LTJG F.W. Brady		
1.2	Mod 1	Time extension to 31 Oct 62.	\$ ---
5.3	Mod 2	Additional work and time extension to 31 Aug 63. Overhead rates for FY 61.	\$ 35,960.00
	Mod 3	Time extension to 30 Nov 63 and FY 62 overhead rates.	\$ 5,690.00
	Mod 4	Time extension to 31 Jan 64.	\$ ---
6.2-6.4	Mod 5	Additional work and time extension to 30 Jun 65.	\$ 43,270.00
6.17-6.21	Mod 6	Additional work and time extension to 30 Sep 66.	\$ 48,900.00
	Mod 7	Time extension to 30 Sep 66. 31 Mar 67.	\$ ---
	Mod 8	Costs overrun	\$ 4,423.00
	Mod 9	Funds for OH adjustments ARPA Order #714	67 ARPA ZK 172 14=\$1,208.21 63 ARPA ZK 172 14= 48.50 \$1,256.71

TOTAL: 174,556.71
 PAID: 174,556.71

REFUND: - 0 -

CLOSED

19 Nov 71

Sent to FRCEN: *[Signature]*
 To be Destroyed *[Signature]*

Performance Completed:

8 Jan 68

090	IIT Research Institute	NP	CPFF a(1)
No.	Contractor	Status	Contract Type & Authority
	(1 Jun 61 - 28 Feb 62)		
	SUBJECT: Perform research study of all methods of simulating nuclear interference. (BA)		\$ 42,453.00
Maj J.E. Mock			
Mod 1	Time extension to 30 Apr 62.		\$ ---
Mod 2	Time extension to 31 Oct 62.		\$ ---
Mod 3	Overhead rates for FY 61 and 62.		\$ ---
Mod 4			\$
Mod 5			\$
Mod 6			\$
Mod 7			\$
Mod 8			\$
			\$ 42,453.00

Sent to FRCEN: 26 Sept 66
To be Destroyed July 70

Performance Completed: 31 Oct 62

Contract CLOSED: 11 Nov 64

Refund: \$ 672.21

091	Southwest Research Institute	NP	CPFF a(1)
No.	Contractor	Status	Contract Type & Authority
	(15 Jun 61 - 15 Aug 62)		
	SUBJECT: Study of blast effects on ground antennas by experimental and (BS) theoretical means.		\$ 78,246.00
Maj H. Wynne			
Mod 1	Time extension to 31 Dec 62.		\$ ---
Mod 2	FY 61 overhead rates. Time extension to 31 Aug 63.		\$ ---
Mod 3	FY 62 overhead rates and time extension to 31 Jan 64.		\$ ---
Mod 4	Time extension to 30 Jun 64.		\$ ---
Mod 5	Funds to cover additional effort in completing work under existing work scope.		\$ 2,807.00
Mod 6	FY 63 & FY 64 overhead rates.		\$ ---
Mod 7			\$
Mod 8			\$
			\$ 81,053.00

Sent to FRCEN: 30 Sep 64
 To be Destroyed Jul 74

Performance Completed: 20 Oct 64

Contract CLOSED: 22 Nov 67

CLOSED

Refund: \$ none

141-64
 141-65
 141-66
 141-67
 141-68

092 No.	Edgerton, Germeshausen & Grier (Boston) Contractor	L Status	CPFF a(1) Contract Type & Authority
	(15 Apr 61 - 15 Jun 62)		
	SUBJECT: Research study for early-time measurements on Operation BANSHEE (BS) and optical measurements of auroras.		\$ 95,586.00
61 Capt. J. Choromokos			
	Mod 1	Additional Task and time extension to 31 Oct 62.	\$ ---
62			
	Mod 2	Additional tasks.	\$ 63,476.00
12			
	Mod 3	Change in contract title, additional tasks. Change overhead rates from negotiated to audited.	\$ ---
63			
	Mod 4	Extension of report date.	\$ ---
63			
	Mod 5	Time extension to 31 Dec 63.	\$ 9,976.00
	Mod 6	Time extension to 15 Sep 64.	\$ 6,921.00
	Mod 7		\$
	Mod 8		\$
			\$ 175,959.00

Sent to TDCEN: 2 APR 1969
To be Destroyed Jul 72

Performance Completed: 26 Jul 64

Contract CLOSED: 28 Jul 65

CLOSED

Refund: \$ 328.68

093	Massachusetts Institute of Technology	E	Cost a(5)
No.	Contractor	Status	Contract Type & Authority
	(1 Jun 61 - 31 Jul 62)		
SUBJECT: To conduct verification tests on certain structural models to confirm the similarity of response of the models with the prototype structures which were tested in Operation PLUMBOB.			\$ 28,110.00
<u>Maj W.K. Stockdale</u>			
Mod 1	Inclusion of Advance Payments.		\$ ---
Mod 2	Time extension to 31 Dec 62.		\$ ---
Mod 3	Time extension to 31 May 63.		\$ ---
Mod 4	Correction of report date shown in Mod 3.		\$ ---
Mod 5	Overhead rates for FY 61, 62 & 63.		\$ ---
Mod 6			\$
Mod 7			\$
Mod 8			\$
			\$ 28,110.00

Sent to AFM: 2 APR 1969
 To be Released July 72

Performance Completed: 14 Jun 63

Contract CLOSED: 11 May 66

Refund: \$ 9.48

094 No.	General American Transportation Corp. Contractor	L Status	CPFF a(1) Contract T, & Authority
	(15 Jun 61 - 15 Aug 62)		
	SUBJECT: Conduct a feasibility study on hardening mobile systems. (BS)		\$ 60,752.0

61
Lt Col C.C. Olifford

Mod 1 Time extension to 15 Oct 62. \$ ---

62
Mod 2 Time extension to 28 Feb 63. \$ ---

63
Mod 3 Time extension to 30 Apr 63. \$ ---

63
Mod 4 Time extension to 31 May 63 and overhead rates for FY 61 - 63. \$ ---

Mod 5 ~~Change of company name and address~~ \$ ---

Mod 6 \$

Mod 7 \$

Mod 8 \$

Sent to ~~TRACON~~: 2 APR 1959 \$ 60,752.00
To be Destroyed Jul 72

Performance Completed: 1 Jun 63

Contract CLOSED: 24 Aug 65

Refund: \$ none

095 No.	Stanford Research Institute Contractor	NP Status	CPFF a(1) Contract Type & Authority
	[15 Jun 61 - 15 Aug 62)		
	SUBJECT: Study the characteristics of materials subjected to high pressure, (BS) including determination of the variation of stress with distance 61 (ARPA) from an impact load. VELA UNIFORM.		\$ 73,777.00
Maj B.M. Carswell			
62 Mod 1	Additional scope and time extension to 15 Jul 63.		\$ 86,675.00
Mod 2	FY 61 overhead rates and time extension to 15 Sep 63.		\$ ---
Mod 3	Additions to distribution list.		\$ ---
Mod 4	FY 62 overhead rates.		\$ ---
Mod 5	FY 63 overhead rates.		\$ ---
Mod 6			\$
Mod 7			\$
Mod 8			\$
Sent to FROBEN: 2 APR 1969 To be Destroyed Jul 72			\$160,452.00

Performance Completed: 15 Sep 63

Contract CLOSED: 14 Mar 66

Refund: \$ 1,233.35

096	Stanford Research Institute	NP	CPFF a(1)
No.	Contractor	Status	Contract Type & Authority
	(15 Jun 61 - 15 Aug 62)		
SUBJECT: Research incident to development of a pressure transducer for measurement of shock wave profiles in solids.			\$ 97,660.00
(BS) (ARPA)			
Maj M.E. Barnes			
Mod 1	Delete portion of work scope.		\$ ---
Mod 2	Additional work and time extension to 15 Aug 63.		\$ 228,810.00
Mod 3	Additional work and time extension to 30 Nov 63. FY 61 overhead rates.		\$ 29,892.00
Mod 4	Change in reporting requirements.		\$ ---
Mod 5	Additional work and time extension to 31 Dec 64.		\$ 106,560.00
Mod 6	Additional work and time extension to 31 May 65. (AFWL) FY 62 overhead rates.		\$ 50,020.00
Mod 7	Time extension to 30 Jun 65.		\$ ---
Mod 8			\$
			\$512,942.00

Sent to FRGEN: 200 1969
To be Destroyed Jul 74

Performance Completed: 20 Aug 65
Contract CLOSED: 5 May 67

Refund: \$ 3,351.93

097 No.	IIT Research Institute Contractor	NP Status	CPFF a(1) Contract Type & Authority
	(15 Jun 61 - 15 Aug 62)		
	SUBJECT: Fundamental study of debris damage to aircraft and missiles. (BS)		\$ 25,482.00
<hr/>			
Lt Col C.C. Clifford			
	Mod 1	Additional work and time extension to 15 Feb 63.	\$ 15,405.00
<hr/>			
	Mod 2	Additional work (DANNY BOY).	\$ 45,550.00
<hr/>			
	Mod 3	Additional work (DANNY BOY) and time extension to 31 Mar 63.	\$ 15,640.00
<hr/>			
	Mod 4	Time extension to 30 Jun 63. Fy 61 & 62 overhead rates. Change overhead rates from negotiated to audited.	\$ ---
<hr/>			
	Mod 5	Time extension to 15 Sep 63.	\$ ---
<hr/>			
	Mod 6	Incorporate FY 63 overhead rates.	\$ ---
<hr/>			
	Mod 7		\$
<hr/>			
	Mod 8		\$
<hr/>			

Sent to [unclear]: 2 APR 1969
To be destroyed *Jul 72*

\$102,077.00

Performance Completed:

Sep 63

Contract CLOSED: 24 Sep 66

Refund: \$ none

098	The University of Rochester	E	Basic Agmt
No.	Contractor	Status	Contract Type & Authority
	(11 Jun 61 - 10 Jun 62)		
SUBJECT: Provide instruction at U. of Rochester for DASA-sponsored students (TG) officers 1961/1962			\$ ---

Dr. K. Oerlein			
D.O. 38-61 - 51-61			
Mod 1	1st Semester		\$ 4,237.00

D.O. 10-62 - 25-62			
Mod 2	2nd Semester		\$ 6,602.00

Mod 3			\$
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Mod 4			\$
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Mod 5			\$
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Mod 6			\$
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Mod 7			\$
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Mod 8			\$
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\$10,889.00

Sent to FRCEN: 13 July 66
To be Destroyed July 69

Performance Completed:

Contract CLOSED: 19 Jun 62

CLOSED

Refund: \$ none

099	Stanford Research Institute	NP	CPFF a(1)
No.	Contractor	Status	Contract Type & Authority
	(1 Jun 61 - 28 Feb 62)		
SUBJECT: Research study of all solar terrestrial experiments of direct (RA) pertinence to nuclear blackout.			\$ 45,186.00

61
Maj J.E. Mock

62
Mod 1 Time extension to 28 Apr 62. \$ 470.00

63
Mod 2 Overhead rates \$ ---

Mod 3 \$

Mod 4 \$

Mod 5 \$

Mod 6 \$

Mod 7 \$

Mod 8 \$

\$ 45,656.00

Sent to FROEN: 26 Sept 66
To be Destroyed July 70

Performance Completed: 4 May 62

Contract CLOSED: 5 Feb 64

CLOSED

Refund: \$ 135.79

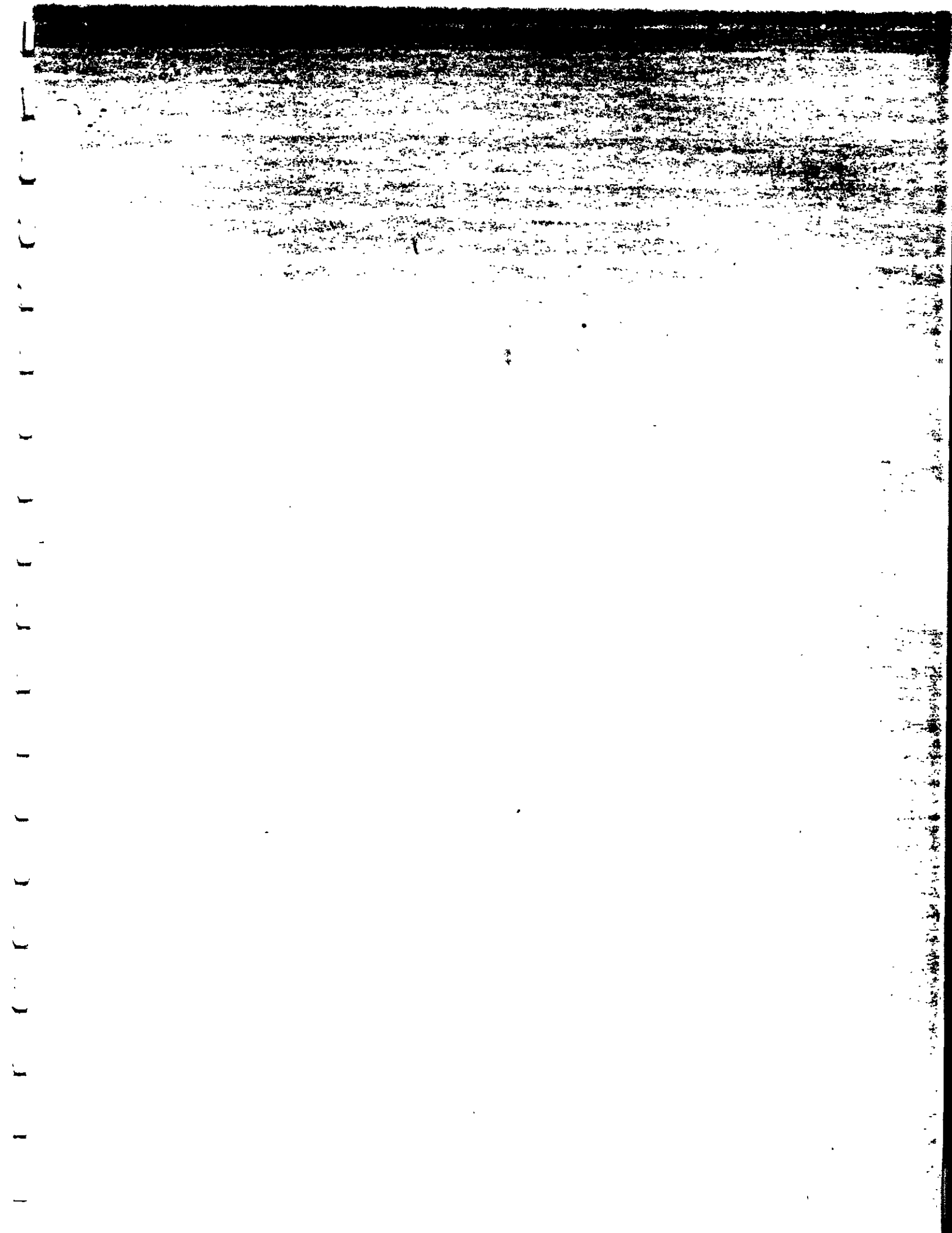
100	Electro-Optical Systems, Inc.	S	CPFF a(1)
No.	Contractor	Status	Contract Type & Authority
	(15 Jun 61 - 15 Aug 62)		
SUBJECT: Research study and survey concerning the field of space exploration (RA) and instrumentation relative to DASA's mission and interest.			\$ 46,051.00
Maj C. Hulburt			
Mod 1	Change in reporting requirements.		\$ ---
Mod 2	Additional work and time extension to 15 Oct 62.		\$ 10,000.00
Mod 3	Additional work and time extension to 31 Oct 63.		\$ 59,716.00
Mod 4	Additional work and time extension to 31 Mar 64.		\$ 8,725.00
Mod 5	Additional work and time extension to 31 Aug 64.		\$ 17,340.00
Mod 6	Time extension to 28 Feb 65. Change overhead rates from negotiated to audited.		\$ ---
Mod 7	Time extension to 23 Apr 65.		\$ ---
Mod 8			\$
			\$ 141,832.00

Sent to FREEMAN: 2 ADD 1969
 To: [unclear] [unclear] [unclear]

Performance Completed: 23 Apr 65

Contract CLOSED: 26 Oct 66

Refund: \$ 836.62



101	Benson-Lehner Corp.	S	FP a(1)
No.	Contractor	Status	Contract Type & Authority
	(1 Jun 61 - 1 Oct 61)		
SUBJECT: Electroplotter, Model J (GS 1154) including inputs for Summary (NMCSSC) Punch and Rotary Keyboard, for use in research related to Department of Defense Damage Assessment Center (DODDAC)			\$ 27,050.00
Capt W. Smith			
Mod 1			\$
Mod 2			\$
Mod 3			\$
Mod 4			\$
Mod 5			\$
Mod 6			\$
Mod 7			\$
Mod 8			\$
			\$ 27,050.00

Sent to FRCEM: 18 July 66
 To be Destroyed July 66

Performance Completed:

Contract CLOSED: 14 Nov 61

Refund: \$ none

102 No.	Medical College of Virginia Contractor	E Status	Cost a(5) Contract Type & Authority
	(30 Jun 61 - 31 Aug 62)		
	SUBJECT: Study of chorioretinal burns in man and rabbit (MD)		\$ 61,979.00
LCDR R. Garver			
61	Mod 1	Funds for Contractor's purchase of equipment.	\$ 12,000.00
62	Mod 2	Additional work with time extension to 30 Nov 62. Authority for contractor to purchase additional equipment. <i>BLUE STRAW</i>	\$ 15,000.00
63	Mod 3	Additional work and time extension to 30 Nov 63.	\$ 53,600.00
63	Mod 4	Additional work.	\$ 15,270.00
5-26-64 5-24-63 H S	Mod 5	Additional work and time extension to 28 Feb 65. FY 62 overhead rates.	\$ 55,000.00
	Mod 6	FY 63, 64 & 64 overhead rates	\$ 5,090.00
	Mod 7		\$
	Mod 8		\$
			\$ 217,939.00

Sent to FROEN:3 0 SEP 1969
To be Destroyed Jul 74

Performance Completed: 1 Mar 65

Contract CLOSED: 7 Aug 67

Refund: \$ None

103 No.	Thompson Ramo Wooldridge, Inc. Contractor	L Status	CPFF Contract Type & Authority
	- 30 Jun 62		\$ 449,325.00
SUBJECT: Research for NMCSSC operational system design. (NMCSSC)			
Maj E.E. Shoults			
Mod 1	Time extension to 31 Jul 62		\$ --
Mod 2	Time extension to 31 Aug 62		\$ --
Mod 3	Time extension to 15 Sep 62		\$ --
Mod 4	Time extension to 15 Oct 62		\$ --
Mod 5	Time extension to 15 Nov 62		\$ --
Mod 6	Time extension to 15 Dec 62		\$ --
Mod 7	Addt' l work Time extension to 15 Jun 63		\$ 28,114.00
Mod 8			\$
TOTAL:			\$477,439.00

TRANSFERRED TO DCA 3/9/64

Performance Completed:

Contract CLOSED:

Refund: \$

104	University of Illinois	E	Cost a(5)
No.	Contractor	Status	Contract Type & Authority
	(1 Sep 61 - 31 Jan 63)		
	SUBJECT: Study to determine the response of underground structures which are subjected to shock wave loadings. (BS)		\$ 92,000.00
Maj M.E. Barnes			
Mod 1	Time extension to 31 Mar 63.		\$ ---
Mod 2	Time extension to 30 Jun 63.		\$ ---
Mod 3	Overhead rates for contract period.		\$ ---
Mod 4			\$
Mod 5			\$
Mod 6			\$
Mod 7			\$
Mod 8			\$
			\$ 92,000.00

Settlement apr 64
 Termination Jul 71

Performance Completed: 30 Jun 63

Contract CLOSED. 17 Jun 65

Refund: \$ none

105	Massachusetts Institute of Technology	E	Cost a(5)
No.	Contractor	Status	Contract Type & Authority
	(16 Sep 61 - 15 Sep 62)		
	SUBJECT: Study the dynamic behavior of reinforced concrete arches. (BS)		\$ 60,000.00

62
Maj W.K. Stockdale

62
Mod 1 Time extension to 15 Jan 63. \$ ---

63
Mod 2 Time extension to 15 Mar 63. \$ ---

Mod 3 FY 62 & 63 overhead rates. \$ ---

Mod 4 \$

Mod 5 \$

Mod 6 \$

Mod 7 \$

Mod 8 \$

Sent to FROEN: 2 APR 1969
To be Destroyed *Spul 72*

\$ 60,000.00

Performance Completed: 26 Jun 63

Contract CLOSED: 11 May 66

Refund: \$ 642.44

106	AirTechnology Corp.	S	CPFF a(1)
No.	Contractor	Status	Contract Type & Authority
	(15 Jul 61 - 15 Nov 62)		
SUBJECT: Provide for a detailed analysis and study of recent fundamental (RA) data concerning electromagnetic fields generated as a result of nuclear explosions.			\$ 32,289.00
Dr. C.A. Blank <i>Capt J.P. Smith</i>			
Mod 1	Time extension to 15 Feb 63.		\$ ---
Mod 2	Change in work and time extension to 31 Aug 63.		\$ 44,655.00
Mod 3	Change in work and time extension to 30 Nov 64.		\$ 144,606.00
Mod 4	Time extension to 15 Apr 65.		\$ ---
Mod 5			\$
Mod 6			\$
Mod 7			\$
Mod 8			\$
			\$221,550.00

Sent to FRCEN: 2 APR 1969
 To be Destroyed *Jul 73*

Performance Completed: 15 Apr 65

Contract CLOSED: 10 Jan 67

Refund: \$ 2,162.50

107	Stanford Research Institute	NP	CPFF a(11)
No.	Contractor	Status	Contract Type & Authority

(1 Nov 61 - 30 Apr 64)

SUBJECT: Research on the input to, and response of, tunnel liners and similar structures when exposed to the effects of an underground explosion designated for Operation HARD HAT. \$ 113,966.00

Maj J. Cahoon

Mod 1 Authorize contractor to purchase certain equipment. \$ ---

Mod 2 FY 61 & 62 overhead rates. \$ ---

Mod 3 FY 63 overhead rates. \$ ---

Mod 4 \$

Mod 5 \$

Mod 6 \$

Mod 7 \$

Mod 8 \$

\$ 113,966.00

Sent to FROEN: 2 APR 1969

To be Destroyed Jul 72

Performance Completed: 15 Apr 64

Contract CLOSED: 15 Feb 66

Refund: \$ 3,214.89

108 No.	Barry Controls Contractor	L Status	FP a(1) Contract Type & Authority
	(1 Oct 61 - 31 Aug 62)		
	SUBJECT: Feasibility and model study of variable stiffness response motion (BS) mock-up.		\$ 53,293.00
Maj M.E. Barnes			
62 Mod 1	Change in Method of Procedure and time extension to 24 May 63.		\$ ---
63 Mod 2	Additional work and time extension to 31 Jan 64.		\$ 45,860.00
Mod 3	Change in performance schedule and time extension to 30 Apr 64.		\$ ---
Mod 4	Time extension to 30 Nov 64. Change in performance schedule.		\$ ---
Mod 5	Correction of typographical error.		\$ ---
Mod 6			\$
Mod 7			\$
Mod 8			\$
			\$ 99,153.00

Sent to FREEM: Jan 68
To be Destroyed Jul 71

Performance Completed: 1 Dec 64

Contract CLOSED: 20 Aug 66

Refund: \$ none

109 No.	General Electric Company (TEMPO) Contractor (1 Jun 62 - 31 Jul 63)	L Status	CPFF a(11) Contract Type & Authority
	SUBJECT: Research and services concerning computer programs and codes of interest in high-altitude nuclear effects, especially effects on electromagnetic waves. (RA)		\$ 210,782.00
Maj C.W. Hulburt			
Mod 1	Additional work and time extension to 31 Jan 64.		\$ 132,180.00
Mod 2	Additional work and time extension to 30 Apr 65.		\$ 207,679.00
Mod 3	FY 62 overhead rates. and time extension to 31 ^{Jul} MAY 65.		\$ ---
Mod 4	FY 63 overhead rates and time extension to 1 Dec 65.		\$ ---
Mod 5	Time extension to 31 Mar 66 j		\$ ---
Mod 6			\$
Mod 7			\$
Mod 8			\$

TOTAL: \$550,641.00
PAID: 549,284.83

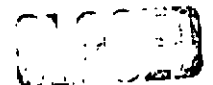
Sent to FROEN: Jan 72
To be Destroyed Jul 76

Performance Completed:

May 65

Contract CLOSED:

18 Dec 69



Refund: \$ 1,356.17

110	Raytheon Company	L	CPFF
No.	Contractor	Status	Contract Type & Authority
	- 17 Jun 62		
SUBJECT: Strategic model simulation of global, military, economic and (NMCSSC) political interactions.			\$ 79,222.00
Lt Col A.K. Keller			
Mod 1	Time extension to 30 Sep 62		\$ --
Mod 2	Broadening of the Scope of work. Time extension to 31 Mar 63		\$ 99,473.00
Mod 3			\$
Mod 4			\$
Mod 5			\$
Mod 6			\$
Mod 7			\$
Mod 8			\$
TOTAL:			\$178,695.00

TRANSFERRED TO DCA 1/9/64

Performance Completed:

Contract CLOSED:

Refund: \$

111 No.	Stanford Research Institute Contractor	NP Status	CPEF a(11) Contract Type & Authority
	(15 Nov 61 - 30 Sep 63)		
	SUBJECT: Research concerning measurement of energy flux generated by (FC) underground nuclear explosion designated as Program 800 (known also as MARSHMALLOW Program)		\$ 924,400.00 (incremental funding)
62	Capt Pilcher		
62	Mod 1	Additional work.	\$ 59,275.00 (incremental funding)
	Mod 2	Deletion of incremental funding limitation.	\$ ---
62	Mod 3	Additional work.	\$ 25,965.00
	Mod 4	Additional funding for field activities.	\$ 122,059.00
62	Mod 5 (RA)	Additional work and time extension to 30 Jun 64.	\$ 40,000.00
	Capt A.O. Paas		
	Mod 6	Time extension to 15 Sep 64.	\$ ---
	Mod 7	Time extension to 31 Oct 64 and overhead rates for FY 61 & 62	\$ ---
	Mod 8	FY 63 & 64 overhead rates.	\$ ---
			\$1,171,699.00

Sent to FRCEN: 30 Sep 1969
To be Destroyed Jul 74

Performance Completed: 7 Oct 64

Contract CLOSED: 1 Sep 66

Refund: \$ 11,509.49

112	Stanford Research Institute	NP	CPFF a(M)
No.	Contractor	Status	Contract Type & Authority
	(1 Dec 61 - 30 Nov 62)		
SUBJECT: Research concerning measurement of nitric oxide in the earth's (RA) atmosphere.			\$ 28,855.00
62	Dr. C.A. Blank		
	Mod 1 Time extension to 31 May 63.		\$ ---
63			
	Mod 2 Time extension to 15 Oct 63.		\$ ---
	Mod 3 Change in work and time extension to 28 Feb 65.		\$ 99,990.00
	Mod 4 FY 62 overhead rates.		\$ ---
	Mod 5 Additional work. Time extension to 31 May 66		\$ 99,243.00
	Mod 6 Overhead rates for FY 63 & 64		\$ ----
	Mod 7 Time extension to 31 Aug 66		\$ ---
	Mod 8 Final OH rates for '65		\$ --
	Mod 9 OH rates for FY '66		\$ ----

Sent to FRCEN: 26 Jan 71
To be Destroyed Jul 75

TOTAL: \$228,088.00

Performance Completed: 23 Mar 67

Contract CLOSED: 9 Sep 68

Refund: \$ 1,278.61

12-7-68
68
11/20/68
67

113 No.	Lockheed Aircraft Corp. Contractor	L Status	CPFF a(11) Contract Type & Authority
	(15 Nov 61 - 30 Jun 63)		
	SUBJECT: Research, instrumentation, and the reduction, analysis, and evaluation of data in connection with an underground nuclear shot (MARSHMALLOW) flux measurement.		\$ 498,993.00
Lt Col J. Powers			
62 Mod 1	Deletion of incremental funding limitation.		\$ ---
62 Mod 2	Change in work scope.		\$ 54,950.00
63 Mod 3	Change in reporting requirements.		\$ ---
63 Mod 4	Time extension to 30 Sep 63.		\$ ---
9-2-63 Mod 5	FY 61 overhead rates		\$ ---
9-2-63 Mod 6	Overhead rates for FY's '62 and '63		\$ ---
Mod 7			\$
Mod 8			\$
			TOTAL: \$553,943.00

Sent to TRCEN: 26 Jun 71
To be Destroyed Jul 75

Performance Completed: 15 Sep 63

Contract CLOSED: 17 Jan 69

CLOSED

Refund: \$3,697.99

114 No.	Lockheed Aircraft Corp. Contractor	L Status	CPFF a(11) Contract Type & Authority
	(15 Nov 61 - 31 Jul 62) (pre-contract fm 1 Oct 61)		
	SUBJECT: Research to accomplish in-plant design, fabrication, and assembly of the recovery hardware requirements of Program 800 (known also as (MARSHMALLOW Program) 854.1)		\$ 416,264.00
62 Lt Col J. Powers			
Mod 1	Additional work.		\$ 44,657.00
62			
Mod 2	Additional work.		\$ 4,300.00
62			
Mod 3	Additional work.		\$ 5,861.00
62			
Mod 4	Additional work and time extension to 30 Sep 62.		\$ 47,432.00
62			
Mod 5	FY 61 overhead rates.		\$ ---
58/63 45			
Mod 6	Overhead rates for FY's '62 and '63		\$ ---
62			
Mod 7			\$
62			
Mod 8			\$
62			

Sent to FRCEN: 26 Jan 71
To be Destroyed Jul 75

TOTAL: \$518,514.00

Performance Completed: Sept 62

Contract CLOSED: 2 Jan 69

Refund: \$ 4,297.74

115 No.	Lockheed Aircraft Corp. Contractor	L Status	CPFF a(11) Contract Type & Authority
	(15 Nov 61 - 30 Jun 63)		
	SUBJECT: Research to accomplish the field support - installation and test - (FC) of the recovery hardware requirements of Program 800 (known also as MARSHMALLOW Program)		\$ 244,914.00
Lt Col J. Powers			
Mod 1	Deletion of incremental funding limitation. <i>Funds for lease of additional trailer.</i>		\$ 6,000.00
Mod 2	Additional funds to maintain field crews in readiness due to delays incurred in field operations.		\$ 58,847.00
Mod 3	Change in Field Support.		\$ ---
Mod 4	Additional work. XXXXXXXXXXXXXXXXXXXXXXXXXXXX		\$ 17,649.00
Mod 5	Additional work and time extension to 30 Jul 63. FY 61 overhead rates.		\$ 14,500.00
Mod 6	Time extension to 30 Sep 63		\$ ----
Mod 7	Overhead rates for FY's '62 and '63		\$ --
Mod 8			\$

Sent to REE: Jan 72
To be Destroyed Jul 76

TOTAL: \$341,910.00
Paid: 339,677.30

Performance Completed: 30 Jul 63.
Contract CLOSED: 19 Nov 69

Refund: \$ 2,232.70

116 No.	American Science & Engineering, Inc. Contractor	S Status	CPFF a(11) Contract Type & Authority
	(15 Nov 61 - 15 Nov 63) (pre-contract fm 20 Oct 61)		
	SUBJECT: Research concerning recoverable instrumentation for total impulse (FC) (Project 833.4) and pinhole camera (Project 823) under Program 800 (known also as MARSHMALLOW Program)		\$ 462,022.00
Lt Col J. Powers (Proj 833.4) Capt R.K. Parsons (Proj 823)			
62	Mod 1	Deletion of incremental funding limitation. Additional work.	\$ 72,323.00
62	Mod 2	Add funds to cover delays in the field.	\$ 19,200.00
63	Mod 3	Additional work.	\$ 90,776.00
	Mod 4		\$
	Mod 5		\$
	Mod 6		\$
	Mod 7		\$
	Mod 8		\$
			\$ 644,321.00

Sent to TROEN: 2 APR 1969
 To be Destroyed *Jul 72*

Performance Completed: *20 Aug 63*

Contract CLOSED. 29 Sep 65 Refund: \$ 312.58

117	Technical Operations, Inc.	L	CPFF
No.	Contractor	Status	Contract Type & Authority
	- 20 Nov 62		
SUBJECT: Research and related services necessary to develop the Ground (NMCSSC) Warfare Volume of the Joint Atomic Weapons Planning Manual (JAWPM)			\$75,100.00
Maj F.M. Palmatier			
Mod 1	Addt'l work Time extension to 30 Jun 63		\$ 75,000.00
Mod 2			\$
Mod 3			\$
Mod 4			\$
Mod 5			\$
Mod 6			\$
Mod 7			\$
Mod 8			\$
TOTAL:			\$150,100.00

TRANSFERRED TO DCA 1/13/64

Performance Completed:

Contract CLOSED:

Refund: \$

118 No.	Kaman Nuclear Contractor	L Status	CPFF a(1) Contract Type & Authority
	(15 Jan 62 - 31 Aug 62)		
	SUBJECT: Study of airblast phenomenology in the very high pressure region. (BS)		\$ 34,867.00
<i>62</i>			
	Lt Col C.C. Clifford		
	Mod 1	Time extension to 31 Dec 62.	\$ ---
	<i>63</i>		
	Mod 2	Time extension to 28 Feb 63.	\$ ---
	<i>63</i>		
	Mod 3		\$
	Mod 4		\$
	Mod 5		\$
	Mod 6		\$
	Mod 7		\$
	Mod 8		\$
			\$ 34,867.00

Sent to ERSEN: 2 Nov 1969
To be Destroyed *Jul 72*

Performance Completed: *15 Feb 63*

Contract CLOSED: *10 May 66*

Refund: \$ 661.41

119 No.	Kaman Nuclear Contractor	L Status	CPFF a(1) Contract Type & Authority
	(1 Jan 62 - 31 Dec 62)		
	SUBJECT: Research and scientific assistance in preparation of Operation (TP&P) FISH BOWL.		\$ 50,649.00

62

Lt Col T.E. Carew

Mod 1	Time extension to 30 Jun 63.		\$ 24,995.00
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63

Mod 2	Correct appropriation number shown on Mod 1.		\$ ---
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63

Mod 3			\$
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Mod 4			\$
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Mod 5			\$
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Mod 6			\$
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Mod 7			\$
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Mod 8			\$
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Sent to FRCEN: 2 APR 1969
To be Destroyed Jul 73

\$ 75,644.00

Performance Completed: 30 Jun 63

Contract CLOSED: 20 Mar 67

Refund: \$ 571.27

120	The Boeing Company	L	CPFF a(11)
No.	Contractor	Status	Contract Type & Authority
(1 Feb 62 - 31 May 63) (pre-contract fm 6 Nov 61)			
SUBJECT: Electric Field Measurement - Project 6.1 of SMALL BOY; and (RA) FLOWSHARE Sedan Experiment.			\$ 1,335,992.00

62
Lt Col J. Brown

62
Mod 1 Additional work. FLOWSHARE (AEC) \$ 29,184.00

62
Mod 2 Additional work \$ 74,166.00

62
Mod 3 Overhead adjustment (DECREASE) - \$ 11,494.33

Mod 4 \$

Mod 5 \$

Mod 6 \$

Mod 7 \$

Mod 8 \$

Sent to FRCEN: SEP 1978
To be Destroyed Jul 1981

TOTAL	\$ 1,427,847.67
PAID	\$ 1,424,826.92
REFUNDS	3,020.75

Performance Completed: 13 May 63

Contract CLOSED: **CLOSED** - 19 Feb 75

121	IIT Research Institute	NP	CPTF a(1)
No.	Contractor	Status	Contract Type & Authority

(15 Dec 61 - 15 Apr 62) (Pre-contract fm 1 Nov 61)

SUBJECT: Research, study, and writing necessary to participate in preparation of a book entitled "Underground Shock Phenomena from Nuclear Explosions." \$ 10,600.00
 (BS)

62

Maj B.M. Carswell

Mod 1 Time extension to 30 Jun 62. \$ ---

62

Mod 2 Time extension to 30 Dec 62. \$ ---

63

Mod 3 Time extension to 1 May 63. \$ ---

63

Mod 4 Additional work scope and time extension to 31 Jul 63. Overhead rates for FY 62. \$ 5,499.00

Mod 5 Time extension to 31 Oct 63. \$ ---

Mod 6 Overhead rates for period 1 Sep 62 - 30 Oct 63. \$ ---

Mod 7 \$

Mod 8 \$

\$ 16,099.00

START DATE: Apr 62
 TO BE COMPLETED Jul 71

Performance Completed: 30 Oct 63

Contract CLOSED: 21 Dec 64

Refund: \$ 30.40

United Research Services, Inc.
Contractor

S
Status

CPFF a(1)
Contract
& Authority

(12 Dec 61 - 31 Dec 62)

SUBJECT: Research and related services incident to a study of surface
(NS) water waves generated by above-surface, surface and underwater
explosions and preparation of Operation SPIN DRIFT Handbook.

\$ 4,218.0

Mod 4?

Lt P.H. Livingstone

Mod 1 Additional work (Pre-mod in 26 Jun 62)

\$ 4,388.0

Mod 2 Additional work.

\$ 10,045.0

Mod 3 Time extension to 31 Dec 63.

\$ ---

Mod 4 Additional work (SPIN DRIFT). Time extension to 10 Jul 64.

\$ 35,231.0

Mod 5 Correct appropriation number shown on Mod 4.

\$ ---

Mod 6 Overhead rates for FY 62. Time extension to 31 Dec 64.

\$ ---

Mod 7 Additional tasks.
Time extension to 15 Sept 65.

\$ 89,159.00

Mod 8 Additional work. Time extension to 30 Nov 65.

\$ 36,917.00

Performance Completed: 30 Jun 69

Contract CLOSED:

24 Jun 71

CLOSED

Refund: \$

URS Corporation
Contractor

Status

Contract Type
& Authority

ECT:

\$

Mod 9 Time extension to 30 Nov 66

\$

Mod 10 Additional research and engineering services.

\$

8,312.00

Mod 11 Extend report date for Task 6 to 31 Aug 66.

\$

12
Mod 12 Additional work - Extension of Task 6 to 30 Nov 66.

\$

2,450.00

13
Mod 13 Time extension to 28 Feb 67

\$

14
Mod 14 Time extension to 1 Jun 67

\$

15
Mod 15 Time extension to 1 Aug 67

\$

16
Mod 16 Extension of Task 6
Time extension to 31 Jan 68.

\$

4,175.00

Sent to ERGEN: May 72
To [unclear] July 77

TOTAL: \$194,895.00
PAID: 184,895.00

Performance Completed: 30 Jun 69

Contract CLOSED:

24 Jun 71

CLOSED

Refund: \$ - 0 -

Xerox Corp.
(formerly)

123
No.

Electro-Optical Systems, Inc.
Contractor

6
Status

CPFF a(11)
Contract Type
& Authority

(1 Mar 62 - 31 Dec 62)(pre-contract fm 10 Dec 61)

SUBJECT: Research and services in connection with gamma-ray scanning
(FC) experiment of Operation FISH BOWL Project 6.2.

\$ 1,172,441.00

Lt Col D.B. Harris

Mod 1 Add funds for additional technical management, liaison and engineering requirements. \$ 102,152.00

Mod 2 Addition to Contractor purchase of equipment. \$ 892,964.00

Mod 3 Time extension to 30 Jun 63. \$ ---

Mod 4 Time extension to 31 Oct 63. Change overhead rates from negotiated to audited. \$ ---

Mod 5 Additional work and time extension to 30 Apr 64. \$ 47,166.00

Mod 6 Additional work and time extension to 31 Oct 64. \$ 36,042.00

Mod 7 Time extension to 30 Nov 64. \$ ---

Mod 8 Time extension to 31 Jan 65. \$ ---

Mod. 9 Time extension to 31 Mar 12. 65. \$ --

Mod. 10 Novation agreement to Xerox Corp. \$ --

Sent to FRCEN: Sep 72
To be Destroyed Jul 78

TOTAL: \$2,250,765.00
PAID: 2,241,467.01

Performance Completed: 24 Mar 65

Contract CLOSED: 24 Apr 72

CLOSED

Refund: \$ 9,297.99

124	The John B. Pierce Foundation of Connecticut,	E	Cost a(5)
No.	Contractor Inc.	Status	Contract Type & Authority
	(15 Dec 61 - 30 Sep 62)		
SUBJECT: Research study of thermal burns. (MD)			\$ 10,000.00
LCDR R. Garver			
Mod 1	Additional work and time extension to 30 Sep 63.		\$ 19,500.00
Mod 2	Additional funds for supplies.		\$ 1,000.00
Mod 3	Time extension to 30 Sept 64.		\$ 12,480.00
Mod 4			\$
Mod 5			\$
Mod 6			\$
Mod 7			\$
Mod 8			\$
			\$ 42,980.00

Sent to WEN: apc 68
To HQ 2000/50 Jul 71

Performance Completed: 25 Sep 64

Contract CLOSED: 26 Jul 65

Refund: \$ none

125 No.	E.H. Plesset Associates, Inc. Contractor	S Status	CPFF a(1) Contract Type & Authority
	(1 Jan 62 - 30 Jun 62) (pre-contract fm 1 Dec 61)		
	SUBJECT: Study of neutron and gamma ray backgrounds at MARSHMALLOW experimental stations. (FC)		\$ 25,400.00
62 Lt Col J. Powers			
	Mod 1 Time extension to 30 Sep 62.		\$ ---
	63		
	Mod 2 Change in billing procedures and provisional overhead rates for FY 62.		\$ 3,977.00
	63		
	Mod 3 Add funds for unanticipated costs.		\$ 2,732.12
	63		
	Mod 4		\$
	Mod 5		\$
	Mod 6		\$
	Mod 7		\$
	Mod 8		\$
			\$ 32,109.12

Sent to FRCEN: 26 Sept 66
To be Destroyed July 70

Performance Completed: 31 Jul 62

Contract CLOSED: 14 Jan 65

Refund: \$ none

126 No.	Hughes Aircraft Company Contractor	L Status	CPFF a(11) Contract Type & Authority
	(1 Feb 62 - 31 May 63) (pre-contract fm 1 Dec 61)		
	SUBJECT: Measurements for magnetic field components -Project 6.3 of (RA) SMALL BOY. Event of Operation SUN BEAM.		\$ 971,000.00
62 Lt Col J. Brown			
Mod 1	Additional funds for maintaining field crews in readings.		\$ 107,500.00
62			
Mod 2	Additional funds for maintaining field crews in readiness.		\$ 71,825.00
63			
Mod 3	FY 61 overhead rates.		\$ ---
63			
63 Mod 4	Additional funds to cover overrun.		\$ 7,925.00
63			
Mod 5			\$
611 R.S.			
Mod 6			\$
2-24-67			
Mod 7			\$
Mod 8			\$

Sent to ERDCEN: 300 1969
To be Destroyed Jul 74

\$1,158,250.00

Performance Completed: 11 Jul 63

Contract CLOSED: 19 Sep 67

Refund: \$ 11,583.13

127 No.	Geophysics Corp. of America Contractor	L Status	CPFF a(11) Contract Type & Authority
	(1 Mar 62 - 31 Dec 62) (pre-contract fm 1 Jan 62)		
	SUBJECT: Measurement of debris motion by resonant scattering, using ground and ship-based photometric equipment under Operation FISH BOWL Projects 6.6 and 6.8.		\$ 388,519.00
Lt Col D.B. Harris			
Mod 1	Additional funds for maintaining full field crew overseas in readiness.		\$ 108,942.00
Mod 2	Additional field work.		\$ 205,420.00
Mod 3	Add data reduction and time extension to 30 Jun 63.		\$ 96,868.00
Mod 4	Time extension to 31 Jul 63.		\$ ---
Mod 5	Time extension to 30 Apr 64.		\$ ---
Mod 6	Add "Negotiated Overhead Rates" clause beginning FY ending 30 Sep 63. Incorporate FY 62 rates.		\$ ---
Mod 7	FY 63 and 64 overhead rates.		\$ ---
Mod 8			\$ ---

TOTAL: \$799,749.00

Sent to FROEN: 20 Jan 71
To be Destroyed Jul 75

Performance Completed: 14 Apr 64

Contract CLOSED:

29 Aug 68

Refund: \$3,894.26

128 No.	Paul Weidlinger Contractor	S Status	CPFF a(1) Contract Type & Authority
	(15 Jan 62 - 15 Mar 63)		
	SUBJECT: Research and related services necessary for an analytical study (BS) of close-in effects from a nuclear explosion.		\$ 98,799.00
LCDR I.D. Crowley, Jr.			
Mod 1	Additional funds to cover IBM equipment rental. to 31 May 63.	Time extension	\$ 34,000.00
Mod 2	Additional work and time extension to 31 Jul 64.		\$ 132,897.00
Mod 3	Additional IBM rental costs.		\$ 11,333.00
Mod 4	Additional work and time extension to 31 Jul 65.		\$ 94,157.00
Mod 5	Time extension to 31 Oct 65.		\$ ---
Mod 6	Time extension to 30 Apr 66.		\$ ---
Mod 7	Funds for overhead adjustment, add. report preparation and time extension to 30 Jun 66.		\$ 2,273.00
Mod 8	Time extension to 31 Dec 66.		\$ ---
Mod 9	Overhead adjustment - additional diagrams required		\$569.86
Sent to FRCEN: 2 APR 1969			\$374,028.86
To be Destroyed <i>Jul 72</i>			

Performance Completed: 30 Nov 66

Contract CLOSED: 8 May 67

Refund: \$ 1.65

129 No.	Massachusetts Institute of Technology Contractor (1 Jan 62 - 31 Mar 63)	E Status	Cost a(5) Contract Type & Authority
SUBJECT: Response of concrete arches and domes - SMALL BOY Project 3.1. (BS)			\$ 36,630.00
Maj F.H. Henk			
Mod 1	Add study of non-linear response of reinforced concrete spherical domes to air blast loading. Time extension to 31 Oct 63.		\$ 9,215.00
Mod 2	Time extension to 31 Dec 63.		\$ ---
Mod 3	FY 62 overhead rates and time extension to 31 Mar 64.		\$ ---
Mod 4	Funds for removal of Govt-owned dynamic loading machine, incorporation of FY 63 overhead rates and time extension to 31 Aug 65.		\$ 7,540.00
Mod 5	Correct appropriation symbol shown on Mod 4.		\$ ---
Mod 6	FY 64 & 65 overhead rates.		\$ ---
Mod 7			\$
Mod 8			\$
			\$ 53,385.00

Sent to FROEN: 2 APR 1969
 To be destroyed *Jul 73*

Performance Completed: *23 Mar 64*

Contract CLOSED: *18 Jan 67*

Refund: \$ 153.25

130 No.	Geophysics Corp. of America Contractor (1 Mar 62 - 31 Dec 62) (pre-contract fm 1 Jan 62)	L Status	CPTF a(11) Contract Type & Authority
SUBJECT: Payload integration and rocket firing for D Layer investigations, (FC) Operation FISH BOWL Project 8.3A.			\$ 535,347.00
Lt Col D. B. Harris			
62 Mod 1	Additional funds to maintain field crew in readiness.		\$ 98,601.00
63 Mod 2	Additional funds for extended field operations and additional supplies and equipment for payload construction and renovation of other equipment.		\$ 451,624.00
63 Mod 3	Add data reduction and additional reporting requirements. Time extension to 30 Jun 63.		\$ 49,696.00
63 Mod 4	Time extension to 30 Sep 63.		\$ ---
Mod 5 (RA)	Redesign and development of payload and ground equipment to improve operating characteristics. Time extension to 30 Jun 64.		\$ ---
Lt T.G. Cagle			
Mod 6 (RA)	Additional work and time extension to 31 Dec 64. Add Negotiated Overhead Rates beginning FY ending 30 Sep 63.		\$ 29,007.00
5-23-66 RH Mod 7	Time extension to 31 Mar 65		\$ ---
5-23-66 RH Mod 8	FY 63 & 64 overhead rates.		\$ ---
Mod 9	Final OH rates for '65		\$ --
			\$1,164,275.00

Sent to FRCEN: 30 SEP 1969
To be Destroyed Jul 74

Performance Completed: Nov 65

Contract CLOSED: 19 Feb 68

Refund: \$ 4,097.12

Xerox Corporation
(formerly)
Electro-Optical Systems, Inc.

131	S	CPFF a(11)
No.	Contractor	Status
	(1 Mar 62 - 31 Dec 62) (pre-contract fm 10 Dec 61).	
SUBJECT:	Research services and hardware in connection with Operation FISH BOWL Projects 6.3B and 6.4.	\$ 635,593.00

Lt Col D.B. Harris

Mod 1 Additional funds for extended field period. \$ 63,049.00

Mod 2 Change in work scope and equipment to be purchased by contractor. \$ 137,324.00

Mod 3 Time extension to 28 Feb 63. \$ ---

Mod 4 Time extension to 30 Jun 63. \$ ---

Mod 5 Change negotiated overhead rates to audited. Time extension to 31 Oct 63. \$ ---

Mod 6 Add "Data--Withholding of Payment" \$ ---

Mod 7 Renovation agreement. to Xerox Corp. \$ ---

Mod 8 \$ ---

Sent to FROEN: Sep 72
To be Destroyed Jul 78

TOTAL: \$835,966.00
PAID: \$832,368.19

Performance Completed: 30 Oct 63

Contract CLOSED:

24 Apr 72

CLOSED

Refund: \$ 3,597.81

132 No.	Stanford Research Institute Contractor	NP Status	CPFF a(1) Contract Type & Authority
	(15 Jan 62 - 31 Mar 63)		
SUBJECT: High-pressure blast loading from a nuclear burst (Project 1.5 of (FC) SMALL BOY Event of Operation SUN BEAM)			\$ 73,372.00

62

Maj J. Cahoon

Mod 1	Time extension to 31 Jul 63.	\$ ---
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63

Mod 2	Time extension to 31 Oct 63.	\$ ---
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Mod 3	Time extension to 31 Mar 64.	\$ ---
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Mod 4	FY 62 overhead rates.	\$ ---
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Mod 5	^{Jan. 1964} FY 63/overhead rates.	\$ ---
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Mod 6		\$
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Mod 7		\$
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Mod 8		\$
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\$ 73,372.00

Sent to CIBEN: 2 APR 1969
To be Destroyed Jul 72

Performance Completed: 27 Dec 63

Contract CLOSED: 1 Jun 66

Refund: \$ none

No.	Contractor	Status	CPFF a(11) Contract Type & Authority
133	Stanford Research Institute (15 Feb 62 - 31 Jan 63)	NP	
SUBJECT: Research concerning airblast-induced ground motion studies (FC) (Project 1.2 of SMALL BOY Event of Operation SUN BEAM).			\$ 135,200.00

62

Maj J. Cahoon

Mod 1 Time extension to 31 Jul 63. \$ ---

63

Mod 2 Time extension to 31 Oct 63. \$ ---

Mod 3 Time extension to 31 Mar 64. \$ ---

Mod 4 Time extension to 30 Apr 64. \$ ---

Mod 5 FY 62 overhead rates. \$ ---

Mod 6 FY 63 & 64 overhead rates. \$ ---

Mod 7 \$ ---

Mod 8 \$ ---

\$ 135,200.00

Sent to FRCEN: 30 SEP 1969
To be Destroyed *Jul 74*

Performance Completed: *14 Apr 64*

Contract CLOSED: *15 Sep 66*

Refund: \$ 1,754.80

134 No.	Cubic Corp. Contractor	S Status	CPFF a(11) Contract Type & Authority
	(15 Feb 62 - 31 Dec 62) (pre-contract fm 6 Dec 61)		
SUBJECT: (FC)	Research services in connection with instrumentation of Operation FISH BOWL Project 9.6.		\$ 3,056,773.00

62

Lt Col W.A. Dumas			
Add			
62 Mod 1	Operation and maintenance of CDC computer system at test site.		\$ 27,369.00

62

63 Mod 2	Additional funds for continued maintenance of CDC computer system and support of two additional missions.		\$ 218,275.00
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63

63 Mod 3	Add data reduction.		\$ 42,134.00
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63

63 Mod 4	Additional field services.		\$ 415,291.00
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63

63 Mod 5	Time extension to 30 Jun 63 and decrease in funds due to underrun.	DECREASE	\$ 400,000.00
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63

Mod 6	Amplify reporting requirements and extend time to 15 Jan 64.		\$ 5,479.00
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Mod 7			\$
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Mod 8			\$
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\$3,365,321.00

*See ... 1968
To ... 1971*

Performance Completed: 15 Jan 64

Contract CLOSED: 21 Jul 65

CLOSED

Refund: \$ 40,605.23

135 No.	Edgerton, Germeshausen & Grier, Inc. Contractor	L Status	CPFF a(11) Contract Type & Authority
	(1 Mar 62 - 31 Dec 62)(pre-contract fm 18 Dec 61)		
SUBJECT: Research and services relative to optical measurements for Operation (FC) FISH BOWL Project 8.A2.			\$ 1,450,567.00

62

Lt Col E.E. Shelton

Mod 1 Additional costs for extended field services. \$ 163,477.00

63

Mod 2 Data reduction for measurements of interrelated phenomena obtained. \$ 769,391.00
Time extension to 30 Jun 63.

63

Mod 3 Photographic prints and hosting of Symposium on Optical Phenomenology \$ 10,000.00
of High-Altitude Nuclear Events. Time extension to 30 Jun 64.
Change overhead rates from negotiated to audited.

63

Mod 4 Additional data reduction. \$ 151,040.00

Mod 5 Additional photographic and reproduction requirements. \$ 31,750.00
Time extension to 30 Sep 64.

Mod 6 Time extension to 30 Apr 65. \$ ---

Mod 7 \$

Mod 8 \$

Sent to [unclear]: 2 APR 1969

\$ 2,576,225.00

To be [unclear] [unclear]

Performance Completed: 30 Sep 64

Contract CLOSED: 6 Jan 66

Refund: \$ none

No.	Contractor	Status	CPFF a(11) Contract Type & Authority
136	American Science & Engineering, Inc.	S	
	(1 Mar 62 - 31 Dec 62)(pre-contract fm 8 Jan 62)		
SUBJECT: Research and services concerning an experiment to measure thermo-mechanical effects during Operation FISH BOWL Project SA.3.			\$729,220.00

62
Maj Deptula

63
Mod 1 Additional work and extension of field period. \$379,538.00

63
Mod 2 Additional test pods and funds for unanticipated travel. \$161,999.00

63
Mod 3 Add data reduction. Time extension to 30 Jun 63. \$200,000.00

Mod 4 Time extension to 15 Jan 64 and additional reporting requirements. \$ ---

Mod 5 Add design of active instrumentation to measure high intensity short duration phenomena. \$ 25,000.00
AEC

Mod 6 \$

Mod 7 \$

Mod 8 \$

\$1,495,812.00

Sent to SPEN: 2 APR 1969
To be Destroyed Jul 72

Performance Completed: 1 Jul 64

Contract CLOSED: 24 Aug 65

Refund: \$ 316.89 -A
1,936.77 -

No.	Contractor	Status	Contract Type & Authority
SUBJECT:	<u>CONTINUED</u>		\$
Mod 2	Time extension to 31 Oct 64.		\$ ---
Mod 2 10	Time extension to 31 Jan 65 and FY 62 overhead rates.		\$ ---
Mod 11	Overhead rates for FY 63 & 64		\$ ---
Mod 12	Final OH rates for '65		\$ ---
Mod 5			\$
Mod 6			\$
Mod 7			\$
Mod 8			\$
TOTAL:			\$1,911,573.00

Performance Completed: 31 Jan 65

Contract CLOSED:

Refund: \$3,390.29

138 No.	Roland F. Beers, Inc. Contractor (23 Jan 62 - 31 Jan 63)	S Status	CPFF a(1) Contract Type & Authority
SUBJECT: Research services and technical assistance relative to design of protective structures. (BS)			(\$ 26,750.00) (See Tasks for actual amount)
<u>Mr. J.G. Lewis</u>			
MISC Task 1	Site selection criteria for large yield surface nuclear explosion. (due 1 May 62)		\$
1 Mod 2	Time extension to 30 Jun 65.		\$
MISC Task 2	Report on possibility of a nuclear explosion triggering an earth-quake or volcanic eruption. (due 15 Nov 64)		\$
MISC Task 2 Amend #1	Change due date to 15 Dec 64.		\$
MISC Task 2 Amend #2	Delete Item e.		\$
Mod 6			\$
Mod 7			\$
Mod 8			\$
			\$ 26,750.00

S. J. ... apr 68
 T. ... Jul 71

Performance Completed: 11 Jan 65
 Contract CLOSED: 21 Jul 65

Refund: \$ 7,930.86

139	C-E-I-R, Inc.	S	CPFF
No.	Contractor	Status	Contract Type & Authority
	- 31 Jan 63		
SUBJECT: Research and services incidental thereto concerning damage and casualty assessment investigations resulting from application of nuclear weapons to geographic areas of interest.			\$ 107,563.00
<u>Lt Col M.P. Thompson</u>			
Mod 1	Provide mathematical, statistical, programming and computer support to study by AEC/Dod on Bio-medical and Ecological effects of nuclear weapons.		\$ 79,965.00
Mod 2	Addt'l work Time extension to 31 Aug 63		\$ 200,000.00
Mod 3	----		\$ --
Mod 4	Addt'l work		\$ 49,156.00
Mod 5	Addt'l work		\$ 238,047.00
Mod 6			\$
Mod 7			\$
Mod 8			\$
TOTAL:			\$674,731.00

TRANSFERRED TO DCA 3/13/64

Performance Completed:

Contract CLOSED:

Refund: \$

140	General Dynamics/Aeronautics	I	CDEF a(11)
No.	Contractor	Status	Contract Type & Authority
	(15 Feb 62 - 31 Dec 62) (pre-contract fm 8 Jan 62)		

SUBJECT: Research and services concerning Operation FISH BOWL Project 9.4B. \$ 1,718,663.00
 (FC)

Maj. C.J. Treat

Mod 1	Correction funds shown under Appropriation Data	\$ ---
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Mod 2	Increased work scope.	\$ 9,995.00
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Mod 3	Additional work.	\$ 240,214.00
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Mod 4	Increased work scope, extended field services and increased excess costs incurred by Contractor (no fee on latter)	\$ 792,621.00
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Mod 5	Time extension to 28 Feb 63 and decrease in funds.	\$ 115,000.00 DECREASE
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Mod 6	Add feasibility study of power pods and methods of improvement. Time extension to 30 Apr 63.	\$ ---
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Mod 7	DECREASE IN FUNDS. Add overhead rate for FY 62 & 63.	\$ 133,855.00 DECREASE
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Mod 8	FY 63 overhead rates. (revision)	\$ ---
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\$2,646,493.00

Sent to ERGEN: 30 SEP 1969
 To be Destroyed Jul 74

Performance Completed: 30 Apr 63

Contract CLOSED: 6 Dec 67

Refund: \$ 25,908.00

141 No.	IIT Research Institute Contractor	NP Status	CPFF a(11) Contract Type & Authority
	(1 Mar 62 - 31 Dec 62) (pre-contract fm 23 Jan 62)		
SUBJECT: (FC)	Research to obtain various scientific measurements concerning Operation FISH BOWL Project 6.5B.		\$ 406,515.00

62
Maj. P. Wilson

62
Mod 1 Additional work and change in GFM. \$ 40,000.00

62
Mod 2 Extension of field test period. \$ 126,100.00

63
Mod 3 Additional work. \$ 363,018.00

63
Mod 4 Change in work scope and additional GFM. Change overhead rates
from negotiated to audited. \$ 6,000.00

63
Mod 5 Additional work and time extension to 30 Jun 63. Add contractor
rental of Data Processing System \$ 177,791.00

63
Mod 6 Additional funds to cover additional field expenses. \$ 67,750.00

63
Mod 7 Time extension to 30 Sep 63. \$ ---

63
Mod 8 \$

\$ 1,187,174.00

Sent to FRGEN: 20 Jan 71
To be Destroyed Sep 75

Performance Completed: 20 Sep 63

Contract CLOSED: 24 Feb 64

CLOSED

Refund: \$ 2,964.70

142	C-E-I-R, Inc.	S	CPFF
No.	Contractor	Status	Contract Type & Authority

- 30 Nov 62

SUBJECT: Research and services in connection with the preparation of the (NMCSSC) JAWPM Volume concerning Anti-Submarine Warfare.

\$ 25,709.00

Mr. T.R. Epperson

Mod 1	Time extension to 30 Arp 63	\$	--
Mod 2		\$	
Mod 3		\$	
Mod 4		\$	
Mod 5		\$	
Mod 6		\$	
Mod 7		\$	
Mod 8		\$	
TOTAL:			\$25,709.00

TRANSFERRED TO DCA 1/29/64

Performance Completed:

Contract CLOSED:

Refund: \$

143	Datatrol Corp.	S	CPFF
No.	Contractor	Status	Contract Type & Authority
- 15 Mar 63			
SUBJECT: Research services to design, program, and document a two-sided (NMCSSC) nuclear exchange model for a CDC 1604 computer model.			\$ 66,165.00
Mr. M.H. Letts			
Mod 1	Extension of scope and level of effort.		\$ 15,845.00
Mod 2			\$
Mod 3			\$
Mod 4			\$
Mod 5			\$
Mod 6			\$
Mod 7			\$
Mod 8			\$
total;			\$82,010.00

TRANSFERRED TO DCA 3/6/64

Performance Completed:

Contract CLOSED:

Refund: \$

144	Sellers Injector Corp.	S	FP a(1)
No.	Contractor	Status	Contract Type & Authority
	(12 Mar 62 - 31 May 62)		
SUBJECT: Services and materials necessary to furnish four each liquid jet cleaners, 4000-per-gallon-per-hour, hot liquid complete with lance and 200-foot discharge hose for each unit.			\$ 4,500.00
Mod 1	Change in transportation		\$ -153.01
Mod 2			\$
Mod 3			\$
Mod 4			\$
Mod 5			\$
Mod 6			\$
Mod 7			\$
Mod 8			\$
			\$ 4,653.01

Sent to FRCEN: 13 July 66
 To be Destroyed July 69

Performance Completed:

Contract CLOSED: 25 Sep 62

Refund: \$ none

145 No.	St. Louis University Contractor	F Status	Cost a(5) Contract Type & Authority
	(1 Apr 62 - 31 May 64)		
SUBJECT: Research to extract all remaining significant information from the (BA) ARGUS/Explorer IV Records.			\$ 60,000.00

62

Maj C.W. Hulburt

Mod 1 Incorporation of reimbursement for religious personnel and time extension to 31 Aug 64. \$ ---

Mod 2 Time extension to 15 Dec 64. \$ ---

Mod 3 Time extension to 15 Jan 65. \$ ---

Mod 4 Time extension to 15 Apr 65. Also FY62 + 63 OR. \$ ---

Mod 5 Add another clause "Negotiated Overhead Rates-Predetermined. and Incorporation of OH rates thru FY 65. \$ ---

Mod 6 \$ ---

Mod 7 \$ ---

Mod 8 \$ ---

TOTAL: \$60,000.00

Sent to FRCEN: Jan 72
To be Destroyed Jul 76

Performance Completed: 23 Apr 65

Contract CLOSED: 19 Aug 69

CLOSED

Refund: \$ - 0 -

12-18-64 - Dept 64
BB
3 16 65
1 27 69

146	Southwest Research Institute	NP	CPFF a(1)
No.	Contractor	Status	Contract Type & Authority
	(1 May 62 - 1 May 63)		
SUBJECT: Research studies for the investigation of fire spread. (RA)			\$ 18,850.00

62
Mr. J.W. Snyder

Mod 1 Additional work and time extension to 1 Jul 63. \$ 10,630.00

63
Mod 2 Additional work and time extension to 1 Oct 64. \$ 48,800.00

Mod 3 Overhead rates, FY 62, 63 & 64. \$ ---

Mod 4 \$

Mod 5 \$

Mod 6 \$

Mod 7 \$

Mod 8 \$

\$ 78,280.00

Follow up 546
Sent to FROEN: 2 APR 1969
To be Decoyed *Jul 73*

Performance Completed: 15 Dec 64.

Contract CLOSED: 23 May 67

Refund: \$ none

147	Thompson-Ramo Wooldridge, Inc.	L	CPFF
No.	Contractor	Status	Contract Type & Authority
	- 31 Oct 62		
SUBJECT: Research and services in support of the display subsystem utility (NMCSSC) package for NMCSSC.			\$ 14,223.00
<u>Maj. R.M. Prevatt</u>			
Mod 1	Time extension to 30 Nov 62		\$ --
Mod 2	Time extension to 30 Jun 63		\$15,063.00
Mod 3	Time extension to 30 Sep 63		\$ --
Mod 4			\$
Mod 5			\$
Mod 6			\$
Mod 7			\$
Mod 8			\$
TOTAL:			\$29,286.00

TRANSFERRED TO DCA 4/15/64

Performance Completed:

Contract CLOSED:

Refund: \$

148	Edgerton, Germeshausen & Grier, Inc. (Boston)	L	CPFF a(1)
No.	Contractor	Status	Contract Type & Authority
	(15 Apr 62 - 31 Dec 62) (pre-contract fm 8 Mar 62)		\$ 47,165.00
SUBJECT: Research and services in connection with a planned interim (JTF-8) low-yield underwater effects experiment (Operation SWORDFISH - Project 9.2).			

Dr. W.W. Murray

Mod 1	Change overhead rates from negotiated to audited.	\$ ---
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Mod 2		\$
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Mod 3		\$
-------	--	----

Mod 4		\$
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Mod 5		\$
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Mod 6		\$
-------	--	----

Mod 7		\$
-------	--	----

Mod 8		\$
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\$47,165.00

Sent to FRESEN: 2 APR 1969
 To be Destroyed Jul 72

Performance Completed: 31 Dec 62

Contract CLOSED:

15 Sep 65 **CLOSED**

Refund: \$ 6,785.82

149 No.	Lite-Tronics, Inc. Contractor	S Status	FP a(1) Contract Type & Authority
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(15 Apr 62 - 25 Jun 62)

SUBJECT: Services and equipment concerning a visual display system.
(ON)

\$ 23,350.00

Maj Lt Col J.A. Larson

Mod 1

\$

Mod 2

\$

Mod 3

\$

Mod 4

\$

Mod 5

\$

Mod 6

\$

Mod 7

\$

Mod 8

\$

\$ 23,350.00

Sent to FRCEN: 13 July 66
To be Destroyed July 69

Performance Completed: 18 Jul 62

Contract CLOSED: 27 Jul 62

Refund: \$ none

150 No.	Cohu Electronics, Inc. Contractor	S Status	Cost Contract Type & Authority
	(26 Apr 62 - 26 Jun 62)		NTE \$ 7,000.00
SUBJECT: Services concerning operation and maintenance of a closed circuit television system incidental to research being performed in nuclear weapons effects tests on Johnston Island (FISH BOWL Project 9.5B).			
<hr/>			
62 Mod 1	Time extension to 31 Aug 62.		\$ 7,000.00
<hr/>			
63 Mod 2	Time extension to 31 Oct 62.		\$ 7,000.00
<hr/>			
63 Mod 3	Time extension to 29 Apr 62 30 Nov 62.		DECREASE \$ 2,170.78 ---
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63 Mod 4	Time extension to 30 Apr 63.		DECREASE \$ 2,170.78
<hr/>			
Mod 5			\$
<hr/>			
Mod 6			\$
<hr/>			
Mod 7			\$
<hr/>			
Mod 8			\$
<hr/>			
			\$18,829.29

Sent to FRCEN: 26 Sept 66
To be Destroyed July 70

Performance Completed: 31 Mar 63

Contract CLOSED:

CLOSED

1 Mar 65

Refund: \$ none

151

National Engineering Science Company

S

CPFF a(1)

No.

Contractor

Status

Contract Type & Authority

(1 May 62 - 31 Mar 63)

SUBJECT:
(BS)

Investigation of long waves and their effects on the coastal and harbor environment of the lower Chesapeake Bay.

\$ 77,001.00

2

Lt P.N. Livingstone

63

Mod 1 Additional funds for overrun costs resulting from voluminous amount of technical data generated under contract. Time extension to 31 May 63. \$ 4,660.00

Mod 2 Overhead adjustment \$ 1,387.00

Mod 3 \$

Mod 4 \$

Mod 5 \$

Mod 6 \$

Mod 7 \$

Mod 8 \$

\$ 83,048.00

Sent to ARSEN: Apr 68
To be destroyed Jul 71

Performance Completed: 15 May 63

Contract CLOSED: 26 Jul 65

CLOSED

Refund: \$.41

152 No.	Marine Advisers, Inc. Contractor (15 May 62 - 15 Jul 63)	S Status	CPFF a(1) Contract Type & Authority
SUBJECT: Research study of effects of long-period waves on harbors. (BS)			\$ 51,716.00
62 Lt P.N. Livingstone			
Mod 1	Expansion of work scope and time extension to 31 Dec 63.		\$ 17,164.00
63			
Mod 2	Change in portion of reporting requirements and time extension to 29 Feb 64.		\$ ---
Mod 3	Change in work scope and time extension to 31 Jan 65.		\$ 45,827.00
Mod 4	Time extension to 31 May 65.		\$ ---
Mod 5	Additional funds (overrun) and time extension to 15 Sep 65.		\$ 7,057.00
Mod 6			\$
Mod 7			\$
Mod 8			\$
			\$121,764.00

Sent to GREEN: 2 APR 1969
To be Destroyed Jul 72

Performance Completed:

15 Sep 65

13 May 66

Contract CLOSED:

Refund: \$ none

153	New York University Medical Center of New York	E	Cost a(5)
No.	Contractor	University	Status
			Contract Type & Authority
(1 May 62 - 31 Dec 62)			
SUBJECT: (MD)	Research study relating to suppression of iodine-131 uptake in humans.		\$ 27,223.00

62

CDR R.L. Gade

Mod 1 Additional work scope, additional GPM and time extension to 31 Oct 64. \$100,000.00

63

Mod 2 Additional work and time extension to 31 Dec 65. \$ 42,000.00

Mod 3 Revise cost principles. \$ --

10-7-65
13/3

Mod 4 Time extension to 30 Jun 66. \$ ----

1-13-66
B/B

Mod 5 OH rates for FY 62, 63, 64, and 65. \$ ----

Mod 6 OH rates ~~for 66~~ *three 31 Aug 67* \$ --

Mod 7 \$

Mod 8 \$

Sent to FRCEN: *Aug 74*
To be Destroyed *Jul 79*

TOTAL: \$100,223.00
PAID: 165,198.42

Performance Completed: *25 Apr 67*

Contract CLOSED:

20 Nov 72

CLOSED

Refund: \$ 4,024.58

154	IIT Research Institute	NP	CPFF a(1)
No.	Contractor	Status	Contract Type & Authority
	(15 Jun 62 - 15 Feb 63)		
SUBJECT: Research study and development of high-stress transducers. (BS)			\$ 54,427.00

(2)

Maj B.M. Carswell

Mod 1	Increased work scope and time extension to 30 Jun 63.	\$ 18,957.00
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(63)

Mod 2	Add "field instrumentation for FERRIS WHEEL B.1" and time extension to 30 Apr 64. Change overhead rates from negotiated to audited.	\$ 79,851.00
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Mod 3		\$
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Mod 4		\$
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Mod 5		\$
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Mod 6		\$
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Mod 7		\$
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Mod 8		\$
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\$153,235.00

Sent to FROEN: 2 APR 1969
To be Declassified *put 72*

Performance Completed: 30 Apr 64

Contract CLOSED: 14 Jun 64 Refund: \$ 90.64

155	Control Data Corp.	L	Rental
No.	Contractor	Status	Contract Type & Authority
- 30 Sep 65			
SUBJECT: Furnishing computer and peripheral equipment and various related (NMCSSC) services for research concerning NMCSSC at the AJCC.			\$ 1,288,512.00
<u>Maj. W. R. Smith</u>			
Mod 1			\$ --
Mod 2	Change order for accounting purposes.		\$ --
Mod 3			\$
Mod 4			\$
Mod 5			\$
Mod 6			\$
Mod 7			\$
Mod 8			\$
TOTAL:			\$1,288,512.00

TRANSFERRED TO DCA 6/3/64

Performance Completed:

Contract CLOSED:

Refund: \$

156	Northrop Corp.	L	CPFF a(11)
No.	Contractor	Status	Contract Type & Authority
	(15 Jun 62 - 31 Oct 62) (pre-contract fm 24 May 62)		
	SUBJECT: Research and related services to perform gamma radiation effects measurements on guidance systems and critical field parts thereof (Little Feller - Project 2.17).		\$ 216,826.00
	Maj. P.K. Mitchell		
Mod 1	Time extension to 31 Dec 62.		\$ ---
Mod 2	Change of name (division) and address. <i>Cancelled</i>		\$ ---
Mod 3			\$
Mod 4			\$
Mod 5			\$
Mod 6			\$
Mod 7			\$
Mod 8			\$

\$ 216,826.00

Sent to OPEN: 2 APR 1969
To be Deleted *mu 72*

Performance Completed: *1 Dec 62*

Contract CLOSED: *11 Mar 66*

Refund: \$ 1,226.11

157 No.	The Rand Corp. Contractor (15 Jun 62 - 15 Aug 63)	L Status	CPFF a(1) Contract Type & Authority
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62
SUBJECT: Research concerned with a theoretical study of the fallout effects from very high yield nuclear explosions. ~~and with enhancing knowledge of the state of stress of the earth's crust.~~ \$ 51,300.00
 (RA)

Capt R.P. Minx

63
 Mod 1 Add "enhancing knowledge of the state of stress of the earth's crust." \$ 15,000.00
 Conduct International Conference on State of Stress in Earth's Crust.

Mod 2 Time extension to 15 Sep 63. \$ ---

Mod 3 \$

Mod 4 \$

Mod 5 \$

Mod 6 \$

Mod 7 \$

Mod 8 \$

\$ 66,300.00

Sent to PROEN: 2 APR 1969
 To be Destroyed *Jul 72*

Performance Completed: *12 Sep 63*

Contract CLOSED: *2 Jun 66* Refund: \$ 2,502.56

158 No.	General Atomic Contractor	L Status	FP a(10) Contract Type & Authority
	(1 May 62 - 25 Jun 62)		
SUBJECT: Services and material necessary to furnish one model of DASA- (AFRI) TRIGA Mark F reactor and eight framed masonite display panels.			\$ 5,200.00

Col. R.H. Holmes, MD

Mod 1		\$
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Mod 2		\$
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Mod 3		\$
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Mod 4		\$
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Mod 5		\$
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Mod 6		\$
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Mod 7		\$
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Mod 8		\$
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Sent to FRCEN: 13 July 66
To be Destroyed July 69

\$ 5,200.00

Performance Completed: 5 Jul 62

Contract CLOSED: 23 Oct 62

Refund: \$ none

159	The University of Rochester	E	Basic Agmt
No.	Contractor	Status	Contract Type & Authority
	(25 Jun 62 - 10 Jun 63)		
SUBJECT: Provide instruction to University of Rochester for 11 DASA-sponsored student officers, 1962/1963 (TG)			\$ 4,521.00 <u>6,105.00</u>

62

Dr. K.F. Oerlein

Mod 1 \$

Mod 2 \$

Mod 3 \$

Mod 4 \$

Mod 5 \$

Mod 6 \$

Mod 7 \$

Mod 8 \$

10,626.00

Sent to FROEN: 26 Sept 66
To be Destroyed July 70

Performance Completed: 9 Jun 63

Contract CLOSED: 26 Jul 65

Refund: \$ 1,258.80

160	Electromagnetic Technology Corp.	S	CPFF a(1)
No.	Contractor	Status	Contract Type & Authority
	(10 June 62 - 28 Feb 63)		
SUBJECT: (RA)	Analysis of nuclear radiation effects on propagation of electro-magnetic waves.		\$ 43,870.00

62

Maj G.R. Underhill

Mod 1	Time extension to 31 July 1963.	\$ ---
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(3

Mod 2	Time extension to 10 September 1963. Final expense rate for FY 62	\$ ---
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Mod 3	Final expense rate for FY 63.	\$ ---
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Mod 4		\$
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Mod 5		\$
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Mod 6		\$
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Mod 7		\$
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Mod 8		\$
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Sent to FRCEN: 26 Sept 66
To be Destroyed July 70

Performance Completed: 10 Sep 63

Contract CLOSED: 21 Jul 66

Refund: \$ none

161	Lite-Tronics, Inc.	S	FP a(1)
No.	Contractor	Status	Contract Type & Authority
	(15 Jun 62 - 31 Aug 62)		
	SUBJECT: Services and equipment concerning visual display system. (JACE)		\$ 26,195.00
Maj L.W. McDonald, ON			
Mod 1	Time extension to 31 Dec 62.		\$ ---
Mod 2			\$
Mod 3			\$
Mod 4			\$
Mod 5			\$
Mod 6			\$
Mod 7			\$
Mod 8			\$
			\$ 26,195.00

Sent to FRCEN: 13 July 64
 To be Destroyed July 69

Performance Completed: 11 Dec 62

Contract CLOSED: 21 Jan 63

Refund: \$ none

162	Thompson Ramo Wooldridge, Inc.	L	CPFF
No.	Contractor	Status	Contract Type & Authority
SUBJECT: Maintenance services in connection with the full-color display (NMCSSC) system of the NMCSSC developmental site.			\$ 36,004.00
Maj R.M. Prevatt			
Mod 1	Time extension 31 Dec 63		\$49,000.00
Mod 2			\$
Mod 3			\$
Mod 4			\$
Mod 5			\$
Mod 6			\$
Mod 7			\$
Mod 8			\$
TOTAL:			\$85,004.00

TRANSFERRED TO DCA 4/21/64

Performance Completed:

Contract CLOSED:

Refund: \$

163	Stanford Research Institute	NP	CPFF a(1)
No.	Contractor	Status	Contract Type & Authority
	(11 Jun 62 - 31 Mar 63)		
SUBJECT: Research study to determine permanent displacement measurements in the area immediately adjacent to a nuclear detonation.			\$ 25,946.00
(BS)			

62
 LCDR J.J. Healy

Mod 1	Over-run	\$ 1,500.00
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Mod 2	FY 62 overhead rates	\$ ---
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Mod 3	FY 63 overhead rates	\$ ---
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Mod 4		\$
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Mod 5		\$
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Mod 6		\$
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Mod 7		\$
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Mod 8		\$
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\$ 27,446.00

Sent to ERGEN: 30 Oct 1969
 To be Destroyed Jul 74

Performance Completed: 31 Mar 63

Contract CLOSED: 7 Sep 66

Refund: \$ 796.46

164 No.	Sea Space Systems, Inc. Contractor	S Status	FP a(1) Contract Type & Authority
	(19 Jun 62 - 31 Jul 62)		
SUBJECT: Balloon system to support GFE instruments for a research investigation (FC) (Johnie Boy Project 1.15).			\$ 9,860.00

Maj D. Edwards

Mod 1			\$
Mod 2			\$
Mod 3			\$
Mod 4			\$
Mod 5			\$
Mod 6			\$
Mod 7			\$
Mod 8			\$

\$ 9,860.00

Sent to FRCEN: 13 July 66
To be Destroyed July 69

Performance Completed: 6 Jul 62

Contract CLOSED: 6 Aug 62

Refund: \$ none

165	Bell & Howell Research Center	L	CPFF a(1)
No.	Contractor (13 Aug 62 - 15 Jan 63)	Status	Contract Type & Authority
SUBJECT: (APCRL)	Design, fabricate, and test three (3) Quadrupole Mass Spectrometer Systems for sampling of positive ions at elevated altitudes (Operation FISH BOWL - Project 6.3C).		\$ 73,044.00
<hr/> Dr. R.S. Narcisi <hr/>			
Mod 1	Addition of secondary emission multipliers to two quadrupole systems		\$ 19,986.00
Mod 2	Time extension to 1 May 63. Additional work.		\$ --
Mod 3	Time extension to 1 June 63.		\$ --
Mod 4			\$
Mod 5			\$
Mod 6			\$
Mod 7			\$
Mod 8			\$
			\$ 93,030.00

Sent to GREEN: 2 APR 1969
 To be Destroyed Jul 73

Performance Completed: 1 Jun 63

Contract CLOSED: 14 Nov 66

Refund: \$ 2,256.43

166	Thiokol Chemical Corp.	L	FP a(1)
No.	Contractor	Status	Contract Type & Authority
	(8 Aug 62 -		
SUBJECT: (AFCL)	Procurement of equipment for research under Operation FISH BOWL (Project 9.1)/		\$ 20,724.00

Dr. D.S. Champion

Mod 1 \$

Mod 2 \$

Mod 3 \$

Mod 4 \$

Mod 5 \$

Mod 6 \$

Mod 7 \$

Mod 8 \$

Sent to FRGEN: 13 July 60
To be Destroyed July 69

\$ 20,724.00

Performance Completed: 19 Oct 62

Contract CLOSED: 23 Jan 63

Refund: \$ none

167 No.	Stanford Research Institute Contractor (1 Sep 62 - 31 Aug 63)	NP Status	CPFF a(1) Contract Type & Authority
SUBJECT:	Research involved in U.S. participation in a Blowdown Experiment conducted by the Australian Government.		\$ 16,565.00

~~Mr. H. Wynn~~ Mr. J.R. Hook

Mod 1	Time extension to 29 Feb 64.	\$ ---
Mod 2	Time extension to 31 May 65. Add data analysis of data obtained from HE Blowdown experiment by Swedish Government.	\$ 14,914.00
Mod 3	Correct appropriation number shown on Mod 2 and add FY 62 overhead rates.	\$ ---
Mod 4	Time extension to 31 May 66 (caused by delays in receiving data from Swedish and Australian H.E. tests)	\$ ---
Mod 5	FY 63 overhead rates FY 64 overhead rates	\$ --
Mod 6	Completion of analysis of additional data acquired from Swedish Govern Time extension to 31 Mar 67.	\$ 10,000.00
Mod 7	Time extension to 30 September 67	\$ ---
Mod 8	OH rates for '66 - Time extension to 30 Jun 68.	\$ --
Mod 9	Time extension to 30 Jun 69.	\$ --
Mod 10	OH rates for 1967	\$ -----
Mod 11	OH rates Time extension to 26 Aug 69.	\$ ---
Mod 12	OH rates for 1968	\$ --

Sent to ESCEN: May 72
To be Destroyed Jul 77

TOTAL:	\$ 41,479.00
PAID:	<u>40,947.80</u>

Performance Completed: 26 Aug 69

Contract CLOSED: 8 Sep 70

CLOSED

Refund: \$ 531.60

168	Allied Research Associates, Inc.	S	CPFFa(11)
No.	Contractor (15 Sept 62 - 30 Sept 63)	Status	Contract Type & Authority
SUBJECT: (FC) (AFWL)	Research in connection with, and fabrication of, an X-ray experiment (Operation FISH BOWL - Project 8B).		\$ 356,596.00
Maj Deptula, FC (Phases I - III) Capt R.G. Henning, AFWL (Phase IV)			
Mod 1	Time extension to 31 Mar 64. Add: Reconstruct temperature-pressure-time histories experienced by the STAR FISH samples as a result of their interactions with X-rays.		\$ ---
Mod 2	Time extension to 31 May 64.		\$ ---
Mod 3	Time extension fo 31 Aug 64		\$ ---
Mod 4	Time extension to 31 Dec 64.		\$ ---
Mod 5	Time extension to 31 Mar 65.		\$ ---
Mod 6	Additional funds for overrun - caused by increase in OH rates.		\$ 3,036.51
Mod 7			\$
Mod 8			\$

Sent to FRCEN: 26 Jan 71
To be Destroyed Jul 75

\$ 359,632.51

Performance Completed: 13 Jul 65

Contract CLOSED: 13 Sep 68

Refund: \$ none

63
63
6-6-64
7-28-64
8-12-64
AFW
RIS

169 No.	General Dynamics/Aeronautics Contractor (15 Sept 62 - 1 Feb 63)	L Status	CPFF a(1) Contract Type & Authority
	SUBJECT: Feasibility study relative to flights of powered pods to be ejected from carrier vehicle. (BS)		\$ 97,300.00
63 Maj H. Wynne			
Mod 1	Time extension to 15 Apr 63.		\$ ---
63			
Mod 2	Pre-Contract Costs authorized beginning 5 Jul 62		\$ ---
63			
Mod 3	Time extension to 15 May 63		\$ ---
63			
Mod 4	FY 62 and 63 overhead rates		\$ ---
Mod 5	FY 63 G&A rate.		\$ ---
Mod 6			\$
Mod 7			\$
Mod 8			\$

Sent to FRCEN: 30 SEP 1969
To be Destroyed Jul 74

\$ 97,300.00

Performance Completed: 13 May 63

Contract CLOSED: 13 Jul 67

Refund: \$ 4,257.71

170	Sea Space Systems, Inc.	S	FP a(1)
No.	Contractor	Status	Contract Type & Authority
	(1 Jul 62 - 19 Jul 62)		
SUBJECT: (FC)	Operational balloon system for lofting instruments during nuclear tests.		\$ 12,523.00

Maj D. Edwards

Mod 1

\$

Mod 2

\$

Mod 3

\$

Mod 4

\$

Mod 5

\$

Mod 6

\$

Mod 7

\$

Mod 8

\$

\$ 12,523.00

Sent to FROEN: 13 July 66
To be Destroyed July 69

Performance Completed: 8 Jul 62

Contract CLOSED: 11 Oct 62

Refund: \$ none

171 No.	General Atomic Contractor	L Status	CPFF a(1) Contract Type & Authority
	(1 Oct 62 - 31 Dec 63)		
SUBJECT: Research study of an accelerator-pulsed fast assembly. (RA)			\$ 99,580.00

63

Maj P.K. Mitchell

Mod 1 Additional work. Change overhead rates from negotiated to audited. \$ 22,430.00

Mod 2 Additional work and time extension to 31 Mar 65. \$ 53,644.00

Mod 3 Time extension to 31 Aug 65. \$ ---

Mod 4 \$

Mod 5 \$

Mod 6 \$

Mod 7 \$

Mod 8 \$

\$ 175,654.00

Sent to FROEN: 8 0 SEP 1969
To be Destroyed *Jul 74*

Performance Completed: 31 Aug 65

Contract CLOSED: 17 Aug 67 **CLOSE**

Refund: \$ none

7-19-65
11-1-63
RB

172 No.	Technical Operations, Inc. Contractor	L Status	CPFF a(1) Contract Type & Authority
	(1 Oct 62 - 31 May 63)		
	SUBJECT: Design and fabrication of model structures for experimental (RA) investigation of fallout effects and weapons tests.		\$ 33,000.00

63

Maj F.A. Verser.

Mod 1	Time extension to 31 Aug 63.	\$ ---
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63

Mod 2		\$
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Mod 3		\$
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Mod 4		\$
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Mod 5		\$
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Mod 6		\$
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Mod 7		\$
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Mod 8		\$
-------	--	----

\$33,000.00

Sent to FPOEN: 2 APR 1969
To be Destroyed Jul 72

Performance Completed: 30 Aug 63

Contract CLOSED: 9 Jul 65

CLOSED

Refund: \$ 2,833.59
(+check) 319.34

173	Battelle Memorial Institute	NP	CPFF a(1)
No.	Contractor	Status	Contract Type & Authority
	(1 Oct 62 - 30 Sep 63)		
SUBJECT: (RA)	Research and preparation of a transient radiation effects on electronics handbook (TREE).		\$ 58,400.00

13

Maj P.K. Mitchell

13

Mod 1	Change in reporting requirements.	\$ ---
Mod 2	Change in reporting requirements and time extension to 29 Feb 64.	\$ ---
Mod 3	Revisions to handbook and time extension to 28 Feb 65.	\$ 42,180.00
Mod 4	Add funds for overrun and extend time to 30 Apr 65.	\$ 2,350.00
Mod 5		\$
Mod 6		\$
Mod 7		\$
Mod 8		\$
		\$ 102,930.00

Sent to EDGEN: 12 APR 1969
 To be Declassified *Jul 72*

Performance Completed:

30 Apr 65

Contract CLOSED:

3 Nov 65

Refund: \$ none

174	Thompson Ramo Wooldridge, Inc.	L	FP
No.	Contractor	Status	Contract Type & Authority
	- 2 Nov 63		
SUBJECT: Services re design and fabrication of symbol generator and heat processor for NMCSSC full-color display system.			\$ 105,840.00
1st Lt R.L. Colier			
Mod 1			\$
Mod 2			\$
Mod 3			\$
Mod 4			\$
Mod 5			\$
Mod 6			\$
Mod 7			\$
Mod 8			\$
TOTAL:			\$105,840.00

TRANSFERRED TO DCA 2/4/64

Performance Completed:

Contract CLOSED:

Refund: \$

Convair

175	General Dynamics/ XXXXXXXXXX	L	CPFF a(11)
No.	Contractor (1 Feb 63 - 31 May 64)	Status	Contract Type & Authority
SUBJECT: (RA)	Analysis of Operation FISH BOWL Data relevant to obtaining an understanding of the hydromagnetic motion of debris from nuclear explosions which are hydromagnetically contained.		\$ 99,200.00
Marked as offbudget Marked as offbudget Maj Simko			
✓ Mod 1	Time extension to 30 Sept 65. Additional funds to cover additional work		\$ 99,869.00
Mod 2	Correction of appropriation number		\$ ---
Mod 3	Time extension to 31 Mar 67. Continue analysis of FISH BOWL.		\$ 125,207.00
Mod 4	Theoretical Study of High Altitude Nuclear Explosions Phenomena (U) Time extension to 15 Jun 68.		\$ 247,158.00
Mod 5	Time extension to 31 Dec 68.		\$ ---
Mod 6	Time extension to 15 Oct 69.		\$ ---
Mod 7	Time extension to 30 Nov 69.		\$ ---
Mod 8	Additional funds for cost growth. (70 NWER HC 032 01) Incorporation of OH rates for 64, 65 and 66.		\$ 2,144.00
Mod 9	Incorporation of Corporate Office G&A Expense Rates <i>for 67 & 68</i>		\$ ---

3-10-65
8-17-65
REB

Sent to JENSEN *Aug 74*
To be Destroyed *Jul 80*

Performance Completed:

15 Jan 70

CLOSED

TOTAL \$ 473,578.00
PAID \$469,651.58

3,926.42

Contract CLOSED: *3 DEC 73*



Refund: \$

176	Northrop Corp.	L	CPFF a(1)
No.	Contractor	Status	Contract Type & Authority
	(1 Dec 62 - 31 Jan 64)		
SUBJECT: Research program to determine transient radiation effects on specific guidance system circuits, and to investigate vulnerability of re-entry vehicles. (RA)			\$ 98,030.00
Maj P.K. Mitchell			
Mod 1 (AEC)	Additional work. (TIMPANI)		\$ 16,322.00
Mod 2	Additional funds (overrun)		\$ 10,569.00
Mod 3 (AEC)	Additional work and time extension to 15 Aug 64.		\$ 25,766.00
Mod 4	Time extension to 15 Jan 65.		\$ ---
Mod 5	Time extension to 15 Mar 65,		\$ ---
Mod 6	Change of name (division) and address.		\$ ---
Mod 7			\$
Mod 8			\$
			\$ 150,687.00

Sent to FRCEN: 2 APR 1969
 To be Destroyed Jul 73

Performance Completed: 15 Mar 65

Contract CLOSED: 1 Nov 66

Refund: \$ none

177	Space General Corp.	L	FP a(1)
No.	Contractor	Status	Contract Type & Authority
	(12 Oct 62 - 31 Dec 62)		
SUBJECT: Research and related services in connection with recording measurement and reduction of data relative to BLUE GILL Event of nuclear test series (Project 7.4 of FISH BOWL). (RA)			\$ 4,400.00
<u>Ma. J. Brown</u>			
Mod 1			\$
Mod 2			\$
Mod 3			\$
Mod 4			\$
Mod 5			\$
Mod 6			\$
Mod 7			\$
Mod 8			\$
			\$ 4,400.00

Sent to FRGEN: 13 July 64
 To be Destroyed July 69

Performance Completed: 29 May 63

Contract CLOSED. 20 Jun 63

Refund: \$ none

178	Thompson Ramo Wooldridge, Inc.	L	CPFF
No.	Contractor	Status	Contract Type & Authority
		- 16 Aug 63	
SUBJECT: Programming service support for NMCSSC. (NMCSSC)			\$ 242,044.00
Mr. R.B. Treadway			
Mod 1			\$
Mod 2			\$
Mod 3			\$
Mod 4			\$
Mod 5			\$
Mod 6			\$
Mod 7			\$
Mod 8			\$
TOTAL:			\$242,044

TRANSFERRED TO DCA 6/10/64

Performance Completed:

Contract CLOSED:

Refund: \$

179 No.	Physics International Corp. Contractor (1 Feb 63 - 15 Mar 64)	S Status	CPFF a(11) Contract Type & Authority
SUBJECT: Research and related services concerned with the preparation of a (EC) Nuclear Weapons Vulnerability Source Book.			\$ 204,186.00

63

Lt Col D.J. Kohler			
Mod 1	Additional work and time extension to 30 Apr 64		\$ 90,160.00
Mod 2			\$
Mod 3			\$
Mod 4			\$
Mod 5			\$
Mod 6			\$
Mod 7			\$
Mod 8			\$
			\$ 294,346.00

Sent to PROSEN: 12 APR 1969
To be Destroyed *Jul 72*

Performance Completed: 30 Apr 64

Contract CLOSED: 6 Apr 66

Refund: \$ 1,332.97

180 No.	Newmark, Hansen and Associates Contractor (15 Dec 62 - 15 Jun 63)	S Status	FP a(11) Contract Type & Authority
SUBJECT: Research services concerning design of underground structures for (AFSWC) Operation FILE DRIVER.			\$ 31,000.00

63

Maj R.E. Crawford

Mod 1 Time extension to 31 Jul 63.

\$ ---

63

Mod 2

\$

Mod 3

\$

Mod 4

\$

Mod 5

\$

Mod 6

\$

Mod 7

\$

Mod 8

\$

\$ 31,000.00

Sent to FROEN: 26 Sept 66
To be Destroyed July 70

Performance Completed: 31 Jul 63

Contract CLOSED: 25 Oct 63

Refund: \$ none

181	Ford Instrument Company	L	CPFF a(11)
No.	Contractor	Status	Contract Type & Authority
	(1 Feb 63 - 31 May 63)		
SUBJECT: Research services to analyze data for selected nuclear test shots. (RA)			\$ 13,639.00

63

Capt A.V. Polk

Mod 1	Time extension to 31 Jul 63.	\$ ---
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Mod 2		\$
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Mod 3		\$
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Mod 4		\$
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Mod 5		\$
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Mod 6		\$
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Mod 7		\$
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Mod 8		\$
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Sent to EDSEN: 2 APR 1969	\$ 13,639.00
To be Deleted <i>July 72</i>	

Performance Completed: 30 Jul 63

Contract CLOSED: 28 Jul 65

Refund: \$ none

182	Stanford Research Institute	NP	CDFF a(11)
No.	Contractor	Status	Contract Type & Authority
	(15 Jan 63 - 15 Mar 64)		
SUBJECT: Analysis and interpretation of ionospheric relaxation data. (RA)			\$ 56,320.00

63

Dr. C.A. Blank			
Mod 1	Time extension to 15 Jun 64.		\$ ---
Mod 2	Time extension to 18 Aug 64.		\$ ---
Mod 3	FY 63 & 64 overhead rates.		\$ ---
Mod 4			\$
Mod 5			\$
Mod 6			\$
Mod 7			\$
Mod 8			\$

\$ 56,320.00

Sent to TROEN: 2 APR 1969
To be closed *ml 72*

Performance Completed: 12 Aug 64

Contract CLOSED: 1 Jun 66

Refund: \$ none

183	Stanford Research Institute	NP	CPFF a(11)
No.	Contractor	Status	Contract Type & Authority
	(1 Feb 63 - 31 Jul 64)		
SUBJECT: Research in connection with measurements of close-in earth motion and kilobar earth pressure (Project COACH).			\$ 259,844.00

(3

Maj. J. Cahoon		DECREASE
Mod 1	Reduce funds.	\$ 135,000.00
Mod 2	FY 64 overhead rates.	\$ ---
Mod 3		\$
Mod 4		\$
Mod 5		\$
Mod 6		\$
Mod 7		\$
Mod 8		\$
		\$ 124,844.00

Sent to FDGEN: 2 APR 1969
 To be Destroyed *Jul 72*

Performance Completed:

Contract CLOSED: 1 Jun 66

CLOSED

Refund: \$ 24,188.63

184 No.	Stanford Research Institute Contractor (15 Jan 63 - 15 Sept 64)	NP Status	CPFF a(11) Contract Type & Authority
SUBJECT: Analysis of FISH BOWL radar data. (RA)			\$ 240,475.00
Mr. Dow E. Evelyn, RAAE			
Mod 1	Time extension to 31 Jan 65.		\$ ---
Mod 2	Time extension to 30 Apr 66. Additional funds for additional work.		\$ 117,143.00
Mod 3	FY 63 and 64 overhead rates		\$ ---
Mod 4	Time extension to 30 Jun 66.		\$ ---
Mod 5	Time extension to		\$ ----
Mod 6	Continuation of analysis, interpretation and development of modeling concepts based upon the radar clutter results obtained during HARDTACK and FISH BOWL. Time extension to 20 Mar 68		\$ 75,710.00
Mod 7	FY 66 overhead rates		\$ ----
Mod 8	Radar Propagation Studies Time extension 20 Sep 68.		\$ 50,809.00

63
3-15-66 BB
8-5-66 BB
12-7-65 BB
12
18 Jul 68

Performance Completed: 29 Jan 70

Contract CLOSED: 30 Dec 71

CLOSED

Refund: \$

Con't

184

Stanford Research Institute

No.

Contractor

Status

Contract Type & Authority

SUBJECT:

9
Mod 2

Time extension to 30 Mar 69

\$ ----

10
Mod 5

OH Rates for '67

\$ ---

11
Mod 8

Time extension to 31 Dec 69.

\$ ----

12
Mod 4

Time extension to 31 Jan 70.
OH rates for FY's 68

\$ ----

13
Mod 6

Incorporation of 1969 OH rates

\$ --

Mod 8

\$

Mod 7

\$

Mod 5

\$

Sent to FRCEN: Sep 72
To be Destroyed Jul 76

Brought Forward

\$
\$

Total \$484,137.00
PAID: 484,137.00

REFUND: - 0-

Performance Completed: 29 Jan 70 (30 Dec 71)

CLOSED

185	Thompson Ramo Wooldridge, Inc.	L	CPFF
No.	Contractor	Status	Contract Type & Authority
SUBJECT: Research and related services to execute an improvement program (NMCSSC) on the NMCSSC full-color display subsystem.			\$ 124,311.00

Maj. R.M. Prevatt

Mod 1 \$

Mod 2 \$

Mod 3 \$

Mod 4 \$

Mod 5 \$

Mod 6 \$

Mod 7 \$

Mod 8 \$

TRANSFERRED TO DCA 1/16/64

Performance Completed:

Contract CLOSED:

Refund: \$

186 No.	Planetary Sciences, Inc. Contractor (1 Feb 63 - 31 Mar 64)	S Status	CPFF a(11) Contract Type & Authority
SUBJECT: Research study involving analysis and interpretation of strong- (BS) motion seismograms.			\$ 75,615.00

63

Maj. B.M. Carswell

Mod 1	Time extension to 30 Apr 64.	\$ ---
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Mod 2		\$
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Mod 3		\$
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Mod 4		\$
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Mod 5		\$
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Mod 6		\$
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Mod 7		\$
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Mod 8		\$
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\$ 75,615.00

Sent to ERSEN: 2 APR 1960
To be Destroyed Jul 72

Performance Completed: 30 Apr 64

Contract CLOSED: 13 May 66

Refund: \$ 150.62

187	Sylvania Electric Products, Inc.	L	CPFF a(11)
No.	Contractor	Status	Contract Type & Authority
	(1 Feb 63 - 31 Dec 63.		
SUBJECT:	Research for reduction and analysis of data (Project 6.1a) of		\$ 291,975.00
(RA)	Operation FISH BOWL.		

63

Maj G.R. Underhill

Mod 1 Time extension to 31 Jan 64. \$ ---

Mod 2 FY 63 overhead rates. \$ ---

Mod 3 \$

Mod 4 \$

Mod 5 \$

Mod 6 \$

Mod 7 \$

Mod 8 \$

Sent to WACEN: 26 Jan 71
To be Destroyed Jul 75

TOTAL: \$291,975.00

Performance Completed: 31 Jan 64

Contract CLOSED: 12 Sep 68

Refund: \$ 6,735.51

188	Edgerton, Germeshausen & Grier, Inc. (Boston)	L	CPFF a(11)
No.	Contractor	Status	Contract Type & Authority
	(15 Apr 63 - 30 Jun 64)		
SUBJECT: Research and services relative to analysis of optical data obtained under FISH BOWL Program.			\$270,500.00

Mr. J. Snyder

Mod 1 Change in reporting requirements; addition of "Data-Withholding of Payment" \$ ---

3-30-65
 Mod 2 Additional work . \$ 30,931.00
 (FC) (MIPR money)

Mod 3 Change paying office for work under Mod 2 (only) \$ ---

Mod 4 \$

Mod 5 \$

Mod 6 \$

Mod 7 \$

Mod 8 \$

TOTAL: \$301,431.00
 PAID: 301,431.00

Sent to FROEN: Jan 72
 To be Destroyed Jul 76

Performance Completed: 6 Apr 65
 Contract CLOSED: 14 Jan 70

CLOSED

Refund: \$ - 0 -

189	Electro-Optical Systems, Inc.	S	CPFF a(11)
No.	Contractor	Status	Contract Type & Authority
	(1 Feb 63 - 31 Oct 63)		
SUBJECT: Analysis of the performance of gamma ray scanner instrumentation (RA) for Operation FISH BOWL and similar tests.			\$ 77,439.00

63

Lt T.G. Cagle

Mod 1	Change overhead rates from negotiated to audited and extend time to 31 Dec 63.	\$ ---
Mod 2	Overrun costs (\$1903) and time extension to 31 Oct 64.	\$ 1,903.00
Mod 3		\$
Mod 4		\$
Mod 5		\$
Mod 6		\$
Mod 7		\$
Mod 8		\$
\$ 79,342.00		

Sent to AECEN: 2 APR 1969

To be Destroyed *Jul 72*

Performance Completed: *1 Jul 64*

Contract CLOSED: 20 Dec 65

CLOSED

Refund: \$ 343.19

190 No.	General Electric Company (TEMPO) Contractor (15 Apr 63 - 15 Apr 64)	L Status	CPFF a(11) Contract Type & Authority
	SUBJECT: Research study of fluid dynamic motion in atmosphere of nuclear weapons debris up to intermediate time. (RA)		\$ 121,376.00

Maj. C.W. Hulburt

Mod 1	Time extension to 30Jun 64	\$ ---
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Mod 2	Time extension to 31 Aug 64.	\$ ---
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Mod 3	Add'l funds to cover OH adjustments '63 and '64 OH rates	\$2,359.43
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Mod 4		\$
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Mod 5		\$
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Mod 6		\$
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Mod 7		\$
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Mod 8		\$
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TOTAL:	\$123,735.43
Paid:	<u>123,735.43</u>

Sent to FRCEN:
To be Destroyed *Jul 76*

Performance Completed: *1 Sep 61*

Contract CLOSED: *13 Feb 70*

CLOSED

Refund: \$ - 0 -

191	Eberline Instrument Corp.	S	CPFF a(11)
No.	Contractor	Status	Contract Type & Authority
	(15 Feb 63 - 31 Jan 64) XXXXXXXXXXXXXXXXXXXX		
	SUBJECT: Research involving collection and analysis of soil deposition samples (Project 2.1) and alpha survey (Project 2.5) and radiochemical analyses (Projects 5.2C and 5.3C) under Operation ROLLER COASTER.		\$ 333,390.00
63	Maj. J.B. Oblinger		
	Mod 1 Change in appropriation numbers.		\$ ---
63			
	Mod 2 Additional work and time extension to 15 Jul 64. Add "Data-Withholding of Payment"		\$ 122,247.00
	Mod 3 Add pre-contract costs from 13 Dec 62.		\$ ---
	Mod 4 Time extension to 15 Oct 64.		\$ 24,969.00
	Mod 5 Time extension to 30 Dec 64.		\$ 17,203.00
	Mod 6		\$
	Mod 7		\$
	Mod 8		\$
			\$497,809.00

Sent to FRCEN: 26 Jan 71
 To be Destroyed Jul 75

Performance Completed: 30 Dec 64

Contract CLOSED: 5 Jun 65

Refund: \$ 350.00
 (purchase of property credited to final voucher)

192 No.	Tracerlab Contractor (15 Feb 63 - 31 Jan 64)	L Status	CPFF # (11) Contract Type & Authority
SUBJECT: (FC)	Research-related services providing for equipping and maintaining of a Radioactive Sample Handling and Processing Facility (Project 5.1) and for making special particulate analyses (Project 2.6C) under Operation ROLLER COASTER.		\$ 183,700.00
Maj. J.B. Oblinger			
Mod 1	Correct appropriation number.		\$ ---
Mod 2	Time extension to 30 Jun 64. Additional work.		\$ 81,627.00
Mod 3	Additional work		\$ 44,570.00
Mod 4	Time extension to 15 Jul 64. Additional work - Project 5.2B and 5.3B.		\$ 142,523.00
Mod 5	Additional work and time extension to 1 Jun 65. Additional work.		15,978.00 \$ 81,845.00
Mod 6	Time extension to 31 Jan 65. Undertake radiochemical analyses for plutonium activity on approx. 1125 biological & approx. 2079 non-biological samples.		\$ 103,207.00
Mod 7 1800 biological &2079 and will provide special reports on approx. 2900 samples for yield, reworked tailings,		\$ 39,303.00
Mod 8	Additional work and time extension to 1 Jun 65.		\$ 19,569.00
			\$630,477.00

Sent to FRCEN: 2 APR 1969
 To be Destroyed Jul 73

Performance Completed: Jan 66

Contract CLOSED: 18 Apr 67

Refund: \$?

Tracerlab
Contractor

Status

Contract Type
& Authority

(

) (pre-contract fm

)

SUBJECT:

\$

Mod 9 Time extension to 31 Dec 65.
Additional work.

\$ 40,000.00

Mod 2

\$

Mod 3

\$

Mod 4

\$

Mod 5

\$

Mod 6

\$

Mod 7

\$

Mod 8

\$

Brought Forward

\$

\$

Total

\$

Performance Completed:

193 No.	General Dynamics Corp/Fort Worth Contractor (1 Mar 63 - 18 Feb 64) (pre-contract fm 18 Feb 63)	L Status	CPFF a(11) Contract Type & Authority
SUBJECT: Research and related services for air and ground measurements of plutonium-uranium particulate distributions (Project 2.2) of Operation ROLLER COASTER. (FC)			\$ 282,647.00
63			
Maj J.B. Oblinger			
Mod 1	Modify Anderson samplers to make comparable to Casella 4-stage samplers.		\$ 1,313.00
Mod 2	Calibrate Andersen impactors. Decrease funds for underrun.		\$ DECREASE 995.00
Mod 3	Additional work (9.98). Time extension to 30 Jun 64.		\$ 31,887.00
Mod 4	Change in 9.98 work scope. Time extension to 31 May 65.		\$ 45,250.00
Mod 5	Additional work, and time extension 1 Apr 65. (; 64)		\$ 2,612.00
Mod 6	FY 1963 overhead rates.		\$ ---
Mod 7			\$
Mod 8			\$
			\$ 362,714.00

Sent to FRCEN: 2 APR 1969
 To be Destroyed *Jan 73*

Performance Completed: 13 May 65

Contract CLOSED: 24 Oct 66

Refund: \$ 1,626.16

194 No.	Cubic Corp. Contractor (1 Apr 63 - 28 Feb 64)	S Status	CPFF a(11) Contract Type & Authority
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PROJECT: (FC)	Research and related services concerning DASA tracking system modification.		\$ 930,310.00
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Wai K.C. Kaericher

Mod 1	Time extension to 31 Jan 65. Additional work.		\$ 402,110.00
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Mod 2	Time extension to 31 Mar 65. Procure or construct 11 rocket casings Procure or construct turnstile antennas .		\$ 66,605.00
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Mod 3	Time extension to 31 Aug 65. Maintain in operational readiness status all items of the ADAM system.		\$ 56,434.00
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Mod 4	Maintenance of ADAM system and time extension to 31 Dec 65.		\$ 41,727.00
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Capt W.C. Byrd

Mod 5	Continued maintenance of ADAM tracking system and time extension to 31 Dec 66.		\$ 98,931.00
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Mod 6	ADAM mod. & additions for solar eclipse research tracking system Time extension to 31 Mar 67		\$105,228.00
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~~SEE Lt Col Lowell Oder. JTF-8~~

Mod 7	Additional services in connection with the 1966 Eclipse Program XXXXXXXXXXXXXXXXXXXX		\$ 73,675.00
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Mod 8	ADAM/Teltrack Maintenance and Operation Time extension 30 Jun 67		\$ 82,825.00
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Mod 9	Additional services in connection with field testing of the VHF teltracking System Time extension to 15 Aug 67		\$17,684.00
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Sent to ERSEN: Jan 72
To be Destroyed Jul 76

TOTAL:	\$1,875,529.00
paid	1,874,739.52
Refund:	\$ 789.68

Performance Completed: 17 Oct 67
Contract CLOSED: 17 Oct 69

6-9-65 RB
12-16-65 RB
1-4-66 RB

195 No.	Isotopes, Inc. Contractor (15 Apr 63 - 29 Feb 64) (pre-contract fm 23 Jan 63)	S Status (pre-contract fm 23 Jan 63)	CPFF a(11) Contract Type & Authority
	SUBJECT: Research and related services for fallout sample collection (PC) (Project 2.3), study of special particulate characteristics (Project 2.6b) and radiochemical analyses (Projects 5.2D and 5.3D) under Operation ROLLER COASTER.		\$ 189,417.00
Maj. J.B. Oblinger			
Mod 1	Time extension to 15 Jul 64. Additional work.		\$ 110,514.00
Mod 2	Time extension to 30 Sept 64.		\$ 104,231.00
Mod 3	Additional work.		\$ 7,477.00
Mod 4	Time extension to 31 Jan 65. Investigate samples.		\$ 99,472.00
Mod 5	Additional work and time extension to 15 Jun 65 15 Oct 65. Additional		\$ 21,245.00 71,644.00
Mod 6	Time extension to 30 May 67/1966		\$ ---
Mod 7			\$
Mod 8			\$

Sent to FRCEN: Jan 72
To be Destroyed Jul 76

TOTAL: \$582,755.00
PAID: \$580,638.00

Performance Completed: 30 May 66
Contract CLOSED: 3 Jun 70

CLOSED

Refund: \$ 2,117.00

15 Mar 65
8-10-64
AP

196 No.	Mt. Auburn Research Associates, Inc. Contractor (15 Mar63 -15 Jun 64)	S Status	CPFH(11) Contract Type & Authority
SUBJECT: (RA)	Research and analysis re interpretation of FISH BOWL data relevant to debris phenomena.		\$ 79,159.00

63

~~XXXXXXXXXXXX~~ LTC Andrew M. Sinko, RAAE

Mod 1 Time extension to 15 Oct 64. \$ --

Mod 2 Time extension to 15 Oct 65. Additional work. \$ 77,756.00

Mod 3 Correction of appropriation number. \$ --

Mod 4 Additional analysis and time extension to 15 Oct 66. \$ 79,793.00

Mod 5 Additional analysis. Time extension to 31 Aug 67. \$ 37,943.00

Mod 6 ~~Costs overrun~~ - due to OH and G&A rates increase. Costs overrun - \$ 2,780.87

Mod 7 Cover excess costs incurred per audit. (FY65 NWER, HC 061) \$ 1,689.67

Mod 8 \$

Sent to FROEN: Jan 72
To be Destroyed Jul 76

TOTAL: \$279,121.54

Performance Completed: 1 Dec 67

Contract CLOSED: 21 Oct 69

Refund: \$ - 0 -

11-12-65
BR

6-16-65

11-2-66

11-2-66

197 No.	IIT Research Institute Contractor (1 Mar 63 -29 Feb 64)	NP Status	CPFF a(11) Contract Type & Authority
SUBJECT: Research for analytic solutions for predicting shock propagation (BS) in earth's materials from underground nuclear explosions.			\$ 44,567.00

63

LCDR I.D. Crowley, Jr.			
Mod 1	Time extension to 30 Apr 64.		\$ ---
Mod 2	Time extension to 30 June 65. TASK III - Adapt theoretical equations developed under this Contract to a digital computer program		\$ 34,048.00
Mod 3	Time extension to 14 Apr 66. TASK IV - Building on work already performed.		\$ 49,448.00
Mod 4	Investigate attenuative properties, based on "waste heat" theory, of rock rubble on propagation of ground shock from nuclear explosion detonated within such a rubble filled cavity.		\$ 4,908.00
Mod 5	Time extension to 15 Sep 66.		\$ ---
Mod 6	Time extension to 13 Mar 67		\$ ---
Mod 7			\$
Mod 8			\$

Sent to FRCEN: 30 SEP 1969
 To be Destroyed Jul 74

\$132,971.00

Performance Completed: 13 Mar 67

Contract CLOSED: 6 Jul 67

CLOSED

Refund: \$ none

198	Lockheed Aircraft Corp.	I	CPFF a(11)
	Contractor	Status	Contract Type & Authority
	(31 Jan 63 - 30 Apr 64)		

SUBJECT: Study thermal phenomena during nuclear explosions in air. (RA) \$ 93,657.00

Mr. J.W. Snyder

Mod 2 Fireball calculations. Time extension to 31 Mar 66. \$ 31,000.00
RATH

Maj L.C. Logie

Mod 3 Time extension to 31 Dec 65. \$ 279,500.00
Review Report on Thermal Radiation Phenomena.

Mod 3 ~~Time extension to 31 Dec 65~~ Evaluation of additional computations. \$ 61,794.00
Time extension to 31 Dec 68.

Mod 4 Cost overrun and time extension to 31 Aug 67. \$ 34,735.00

Mod 5 Time extension to 15 Apr 68. \$ --
OH rates for 64

Mod 6 Time extension to 31 Jul 68 and OH rates for '63 \$ --

Mod 7 Final OH rates for '65 \$ --

Mod 8 Incorporation of '66 and '67 OH rates \$ --

MOD 9 Incorporation of '68 rates \$ --

Sent to FROEN: May 72
To be Deleted Jul 77

TOTAL: \$500,686.00
PAID: \$500,686.00

Performance Completed: 24 Jul 68

Contract CLOSED: 20 Jun 71

CLOSED

199	Datatrol Corp.	S	CFF
No.	Contractor	Status	Contract Type & Authority
- 31 Dec 63			
SUBJECT: (NMCSSC)	Research services for the design, implementation, and documentation of an extension of the INCA model development, including a flexible full-color output system.		\$ 111,411.00

Mr. M.H. Letts

Mod 1 \$

Mod 2 \$

Mod 3 \$

Mod 4 \$

Mod 5 \$

Mod 6 \$

Mod 7 \$

Mod 8 \$

TRANSFERRED TO DCA 12/31/63

Performance Completed:

Contract CLOSED:

Refund: \$

200	Varian Associates	S	CPFF a(11)
No.	Contractor (1 Apr 63 - 29 Feb 64)	Status	Contract Type & Authority
SUBJECT: (RA)	Research and related services for investigation of high-current capability of Electron Linear Accelerator.		\$ 49,998.00
Maj P.K. Mitchell			
Mod 1	Time extension to 1 June 64.		\$ ---
Mod 2	Time extension to 31 Aug 64.		\$ ---
Mod 3	Time extension to 31 Oct 64.		\$ --
Mod 4	Time extension to 28 Feb 65.		\$ ---
Mod 5	Overhead rates adjustment		\$ 4,962.47 14,838.47
Mod 6			\$
Mod 7			\$
Mod 8			\$
Sent to FRCEN: 30 SEP 1969 To be Destroyed Jul 74			\$ 54,836.47

Performance Completed: 25 Feb 65

Contract CLOSED: 14 Aug 67

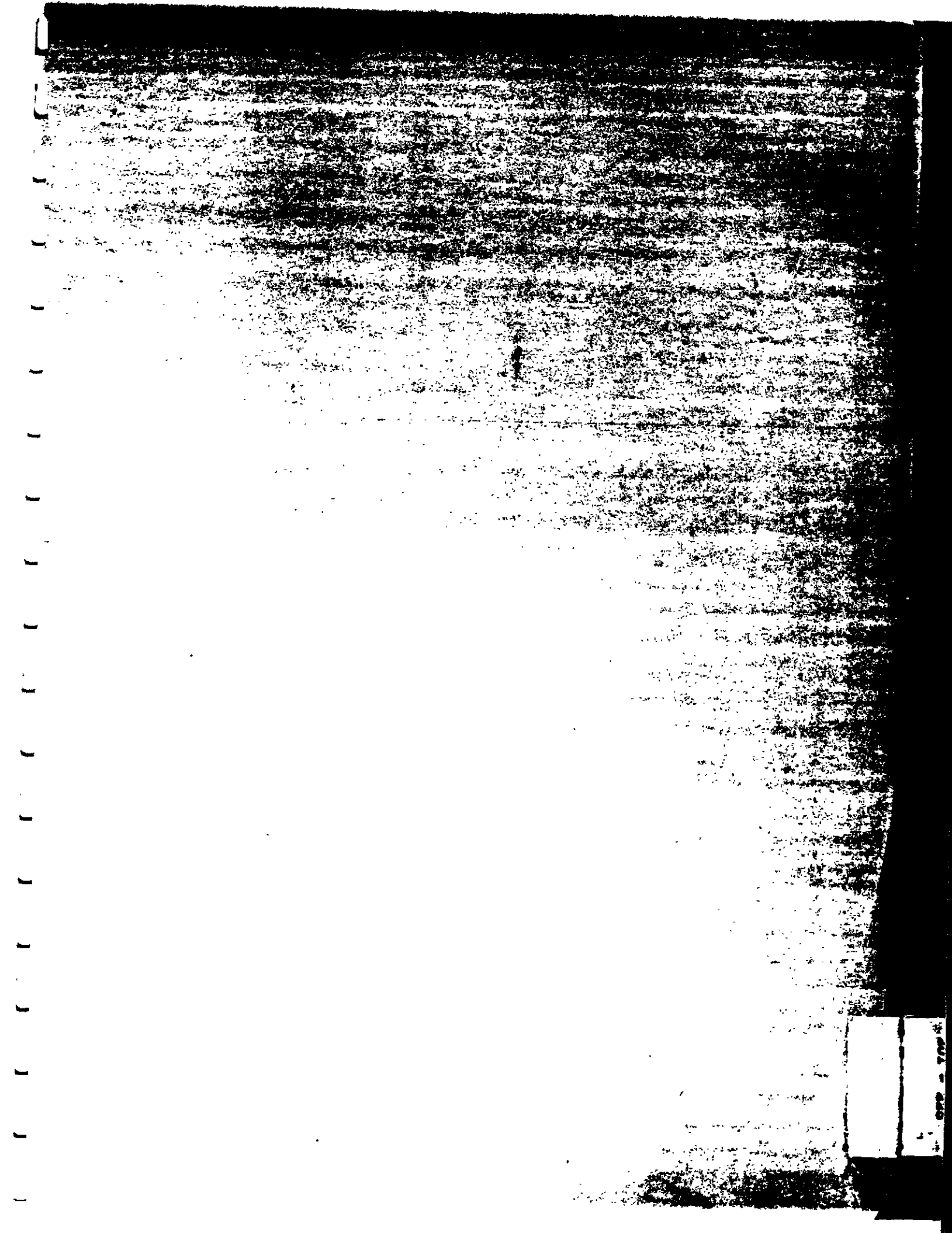
Refund: \$ none

63

9-24-64
RA

3-15-65
RA

RA



1. 002 - TOP 4

201 No.	Electro-Optical Systems, Inc. Contractor (1 Mar 63 - 29 Feb 64)	S Status	CPFF a(11) Contract Type & Authority
SUBJECT: (RA)	Research involving analyses of Operation FISH BOWL series debris cloud characteristics.		\$ 149,900.00

63

~~XXXXXXXXXXXX~~ Maj Sinko

Mod 1	Time extension to 31 May 64.	\$ ---
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Mod 2	Time extension to 31 Dec 64,	\$ ---
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Mod 3	Time extension to 31 May 65.	\$ ---
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Mod 4	Continuation of FISH BOWL data analysis efforts. Time extension to	\$ 9,985.00
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Mod 5	Additional costs incurred in preparation and submission of the Final Report.- caused by increase of OH rates. (FY63 , 26-07.032)	\$ 564.62
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Mod 6		\$
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Mod 7		\$
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Mod 8		\$
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Sent to FRGEN: 26 Jan 71
To be Destroyed Jul 75

TOTAL: \$160,449.62

Performance Completed: 31 Oct 67

Contract CLOSED: 12 Sep 68

Refund: \$ - 0 -

202 No.	Aeronutronic Contractor	L Status	CPFF a(11) Contract Type & Authority
	(1 Jun 63 - 31 Mar 64) (pre-contract fm 1 Apr 63)		
SUBJECT: Research study analysis of air blast loading on re-entry vehicles. (BS)			\$ 56,780.00

Maj. H. Wynne

Mod 1 Time extension to 30 Jun 64. \$ ---

Mod 2 Additional analytical studies and time extension to 30 Jun 65. \$ 60,554.00

Mod 3 Time extension to 31 Aug 65. \$ ---

Mod 4 Time extension to 15 Oct 65. \$ ---

Mod 5 Time extension to 15 Nov 65. \$ ---

Mod 6 OH rates for 63 , 64 and '65 \$ ---

Mod 7 \$

Mod 8 \$

Sent to TROEN: 26 Jun 71
To [unclear] employed Jul 75

TOTAL: \$117,334.00

Performance Completed: 8 Oct 65

Contract CLOSED: 25 Jun 69

CLOSED

Refund: \$ 1,264.00

203	Ford Instrument Company	L	CPFF a(11)
No.	Contractor	Status	Contract Type & Authority
	(15 May 63 - 15 Mar 64) (pre-contract fm 15 Mar 63)		
	SUBJECT: Research services for a Nuclear Weapons Fallout Handbook. (RA)		\$ 98,826.00
LCDR R.E. Peterson			
Mod 1	Additional work and time extension to 31 Aug 64.		\$ 63,412.00
Mod 2	Time extension to 28 Feb 65.		\$ ---
Mod 3	Time extension to 30 Sept 65.		\$ ---
Mod 4			\$
Mod 5			\$
Mod 6			\$
Mod 7			\$
Mod 8			\$
TOTAL:			\$162,238.00

Sent to FRCEN: 26 Jan 71
To be Destroyed: Jul 75

Performance Completed: 28 Feb 65

Contract CLOSED: 6 Nov 68

Refund: \$ 2,134.54

6.4.69
 22-25-70
 88

No.	Contractor	Status	CPFF # (11) Contract Type & Authority
204	Lockheed Aircraft Corp. (11 Mar 63 - 15 Jun 64.)	L	
SUBJECT: Theoretical investigation of geomagnetically-trapped electrons (RA) from high-altitude nuclear explosions (FISH BOWL data analysis)			\$ 66,175.00

63

Mr. C.W. Hulburt

6-2-67
ID

Mod 1	Final OH rates for '64	\$ ---
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173

Mod 2	Final OH rates for FY 63	\$ ---
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Mod 3		\$
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Mod 4		\$
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Mod 5		\$
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Mod 6		\$
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Mod 7		\$
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Mod 8		\$
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Sent to FRCEN: 26 Jan 71
To be Destroyed Jul 75

TOTAL: \$66,175.00

Performance Completed: 9 Jan 64

Contract CLOSED: 12 Dec 68

Refund: \$ 1,588.15

205	Lockheed Aircraft Corp.	L	CPFF a(11)
No.	Contractor	Status	Contract Type & Authority
	(11 Mar 63 - 15 Jun 64)		
SUBJECT: Analysis and evaluation of trapped radiation data (FISH BOWL data analysis).			\$188,394.00

3

Maj C.W. Hulburt

2-11-64
RR

Mod 1 Time extension to 15 Sept 64. \$ ---

6-11-63
1D

Mod 2 Final OH rates for '64 \$ ----

3-1-63

Mod 3 Final OH rates for FY 63 \$ ---

Mod 4 \$

Mod 5 \$

Mod 6 \$

Mod 7 \$

Mod 8 \$

Sent to FRCEN: 26 Jan 71
To be Destroyed Jul 75

TOTAL: \$188,394.00

Performance Completed: 10 Sep 64

Contract CLOSED: 17 Dec 68

Refund: \$1,483.47

306	United Research Services, Inc.	\$	CPFF a(11)
No.	Contractor	Status	Contract Type & Authority
	(1 Jul 63 - 15 Sep 63)(pre-contract fm 11 Mar 63)		
SUBJECT: Research on effects of air shock waves on re-entry vehicles. (BS)			\$ 29,958.00
Maj H. Wynne			
Mod 1	Time extension to 15 Oct 63.		\$ ---
Mod 2	Time extension to 31 May 64.		\$ ---
Mod 3			\$
Mod 4			\$
Mod 5			\$
Mod 6			\$
Mod 7			\$
Mod 8			\$
			\$ 29,958.00

Sent to ERGEN: 2 APR 1969
 To be Destroyed *Jul 64*

Performance Completed: 7 Apr 64

Contract CLOSED: 14 Sep 66

Refund: \$ 247.18

207 No.	Stanford Research Institute Contractor	NP Status	CPFF a(11) Contract Type & Authority
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(1 Apr 63 - 30 Jun 64) (pre-contract fm 26 Feb 63)

SUBJECT: Instrumentation and research services to measure earth motion and pressure-time history (FERRIS WHEEL tests), and to analyze data obtained (Project 1.2 of FERRIS WHEEL Program). \$ 283,000.00

Mai J. Cahoon

Mod 1	Additional work (FLAT TOP) and time extension to 31 Jan 65.	\$ 173,475.00
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Mod 2	Time extension to 31 Jul 65.	\$ ---
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Mod 3	Correction of appropriation number.	\$ ---
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Mod 4	Time extension to 31 Oct 65.	\$ 10,395.00
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Mod 5	Time extension to 30 Nov 65.	\$ ---
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Mod 6		\$
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Mod 7		\$
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Mod 8		\$
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\$466,870.00

Sent to FROEN: 30 Oct 1969
To be Destroyed July 74

Performance Completed: 25 Jul 66

Contract CLOSED: 18 Oct 67 **CLOSED**

Refund: \$ 2,151.75

208 No.	IIT Research Institute Contractor	NP Status	CPFF a(11) Contract Type & Authority
	(1 Jun 63 - 31 Dec 63)(pre-contract fm 1 Mar 63)		
SUBJECT: Experimental studies concerning Operation FERRIS WHEEL(1.5) (PC)			\$ 94,289.00

Maj J. Cahoon

Mod 1	Time extension to 31 Dec 64.	-	\$ ---
Mod 2	Add FLAT TOP 1.3 and 1.5A studies.		\$ 46,878.02
Mod 3	Time extension to 31 May 65.		\$ ---
Mod 4	Time extension to 31 Jul 65.		\$ ---
Mod 5	Time extension to 15 Sep 65.		\$ ---
Mod 6	Time extension to 31 Oct 65.		\$ ---
Mod 7	Time extension to 31 Mar 66.		\$ ---
Mod 8			\$ ---
			\$141,167.02

Sent to ERGEN: 2 APR 1969
To be Destroyed *Spil 23*

Performance Completed: *20 Dec 66*

Contract CLOSED: *4 Feb 67*

Refund: \$ 115.16

209 No.	United Research Services, Inc. Contractor (1 Jun 63 - 15 Dec 63) (pre-contract fm 11 Mar 63)	S Status	CPFF a(11) Contract Type & Authority
	SUBJECT: Air blast loading on protective construction in the high shock strength region. (BS)		\$ 23,399.00

Capt J. Choromokos, Jr.

Mod 1	Time extension to 15 Apr 64.		\$ ----
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Mod 2	Time extension to 15 Jun 64.		\$ ---
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Mod 3	Additions and revisions to Final Report and time extension to 30 Nov 64.		\$ 8,699.00
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Mod 4	Time extension to 21 Apr 65.		\$ ---
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Mod 5			\$
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Mod 6			\$
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Mod 7			\$
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Mod 8			\$
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\$ 32,098.00

Sent to PROEN: 2 APR 1969
To be Destroyed *Apr 73*

Performance Completed: *21 Apr 65*

Contract CLOSED: 4 Aug 66

Refund: \$ 93.87

210 No.	IIT Research Institute Contractor	NP Status	CPFF a(11) Contract Type & Authority
	(15 Jun 63 - 15 Jun 64) (pre-contract fm 15 May 63)		
SUBJECT: Research services for study of heat transfer through weapon liner materials. (FC)			\$ 79,787.00

Maj A.L. Kimball

Mod 1	Analysis and model experiments of the MK-56 weapon and Modifications 1 and 2 thereto in a fire environment		\$ 23,538.00
Mod 2	Time extension to 31 May 65.		\$ ----
Mod 3	Time extension to 25 Jun 65.		\$ ---
Mod 4			\$
Mod 5			\$
Mod 6			\$
Mod 7			\$
Mod 8			\$
			\$103,325.00

Sent to EPCEN: 2 APR 1969
To be Destroyed *xu 73*

Performance Completed: 23 Jun 65

Contract CLOSED: 14 Nov 66

Refund: \$ none

211	Informatics, Inc.	S	CPFF
No.	Contractor	Status	Contract Type & Authority
SUBJECT: Programming support services for NMCSSC display subsystem. (NMCSSC)			\$
Mr. R.W. Toward			
Mod 1			\$
Mod 2			\$
Mod 3			\$
Mod 4			\$
Mod 5			\$
Mod 6			\$
Mod 7			\$
Mod 8			\$

TRANSFERRED TO DCA 12/31/63

Performance Completed:

Contract CLOSED:

Refund: \$

214, No.	The Catholic University of America Contractor	E Status	Cost a(5) Contract Type & Authority
	(1 Jun 63 - 30 Jun 64) (pre-contract fm 1 Apr 63)		
SUBJECT: (RA)	Experimental and theoretical study of geomagnetic interaction with injected plasma.		\$ 86,300.00

Maj. C.W. Hulburt

✓ Mod 1 Additional work and time extension to 31 Aug 65. \$100,000.00

Mod 2 Time extension to 31 Oct 65. FY 63 & 64 overhead rates. \$ ---

Mod 3 Revise cost principles. \$ ---

Mod 4 *Time Extension to 31 Jul 66* \$ ---

Mod 5 OH rates for '65 and '66 \$ ---

Mod 6 \$

Mod 7 \$

Mod 8 \$

TOTAL: \$186,300.00

Sent to FRGEN: Jan 72
To be Destroyed Jul 76

Paid : 175,382.51

Performance Completed: 10 Aug 66

Contract CLOSED:

26 Sep 64

CLOSED

Refund: \$ 10,917.49

9-27-65
82

10-7-65
82

10-7-65
82

213 No.	General Electric Company Contractor	15 -x25 Jun 63	L Status	CPFF Contract Type & Authority
SUBJECT: Blackout study for DCA communications system. (DCA)				\$ 79,412.00

Mr. J.W. Worthington

Mod 1 \$

Mod 2 \$

Mod 3 \$

Mod 4 \$

Mod 5 \$

Mod 6 \$

Mod 7 \$

Mod 8 \$

TRANSFERRED TO DCA 3/13/64

Performance Completed:

Contract CLOSED:

Refund: \$

214	General Dynamics Corp/Fort Worth	L	CPFF a(11)
	Contractor	Status	Contract Type & Authority
	(15 June 63 - 15 Oct 63)		
SUBJECT:	Research and related services incidental to measurements of the thermal effects produced by a low-yield nuclear weapon detonation.		\$ 45,313.00
(NDL)			
<hr/>			
Mr. J.R. Mahoney (Phase I)			
<hr/>			
Mod 1	Additional work - Phase I (Project 4.1) and Phase II (Project 2.12)		\$ 105,298.00
(NDL)	Time extension to 30 Sept 64		
<hr/>			
Mr. R.V. Antwerp (Phase II)			
<hr/>			
Mod 2	Correction of appropriation numbers		\$ ---
<hr/>			
Mod 3	Extension of gamma spectograph research under Project 7.2 of Operation ROVER		\$ 66,790.00
	Time extension to 30 Apr 65.		
<hr/>			
Mod 4	Change in appropriation numbers.		\$ ---
	XXXXXXXXXXXXXXXXXXXX		
<hr/>			
Mod 5	FY 1963 overhead rates.		\$ ---
<hr/>			
Mod 6	Time extension to 30 Jun 65.		\$ ---
<hr/>			
Mod 7			\$
<hr/>			
Mod 8			\$

Sent to FREEN: 2 APR 1959
 To be Destroyed Jul 73

Performance Completed: 5 Apr 65

Contract CLOSED: 29 Jun 67

Refund: \$ 10,171.20

215	Edgerton, Gerneshausen & Grier, Inc. (Las Vegas) I.	CDFE a(11)
No.	Contractor	Status
	(1 May 63 - 1 Jan 64) (pre-contract fm 25 Feb 63)	Contract Type & Authority

SUBJECT:	Technical photography in connection with research project	\$ 101,210.00
(FC)	(Projects 2.1 and 9.8) of Operation FERRIS WHEEL.	

Maj E.E. Shelton

		DECREASE
✓ Mod 1	Delete FERRIS WHEEL 2.1 and substitute FLAT TOP 9.8.	\$ 40,858.59
Mod 2		\$
Mod 3		\$
Mod 4		\$
Mod 5		\$
Mod 6		\$
Mod 7		\$
Mod 8		\$

TOTAL:	\$60,351.41
Paid:	60,351.41

Sent to FROEN: Jan 12
To be Destroyed Jul 76

Performance Completed: 31 Dec 64

Contract CLOSED: 23 Dec 64

Refund: \$ - 0 -

216	IIT Research Institute	NP	CPFF a(11)
No.	Contractor	Status	Contract Type & Authority
	(15 Jun 63 - 31 Dec 63)		
SUBJECT:	Research study for response of NIKE-HERCULES Warhead to fire environment.		\$ 20,847.00
(R&D)			

Ma i R.W. Blum

Mod 1 \$

Mod 2 \$

Mod 3 \$

Mod 4 \$

Mod 5 \$

Mod 6 \$

Mod 7 \$

Mod 8 \$

\$ 20,847.00

Serial EN: apr 68
 To be closed Jul 7

Performance Completed: 27 Feb 64

Contract CLOSED: 27 Jul 65

Refund: \$ none

217 No.	IIT Research Institute Contractor	NP Status	CPFF a(11) Contract Type & Authority
(1 Jun 63 - 15 Apr 64) (pre-contract fm 15 Apr 63)			
SUBJECT: Analysis of Operation FISH BOWL Project 6.5B data. (RA)			\$ 346,862.00

Lt Col J.D. Brown

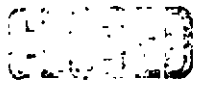
Mod 1	Time extension to 15 Sep 64.	\$ ---
Mod 2	Additional funds for overhead adjustment and cost of hosting FISH BOWL Symposium.	\$ 1,235.77
Mod 3		\$
Mod 4		\$
Mod 5		\$
Mod 6		\$
Mod 7		\$
Mod 8		\$

\$348,097.77

Sent to TROEN: 2 APR 1969
To be Destroyed *mu 12*

Performance Completed: 24 Sep 64

Contract CLOSED: 15 Dec 65



Refund: \$ none

216 No.	University of Illinois Contractor	E Status	Cost a(5) Contract Type & Authority
	(30 Jun 63 - 15 Sep 65) (pre-contract fm 16 Apr 63)		
SUBJECT: Technical and scientific direction and supervision of analysis, design, and test of underground structures - Operation PILE DRIVER. (BS)			\$ 230,000.00

~~Major Robert Henk~~ LCDR M. J. Macdonald, SPSS

4-27-65
BS
Mod 1 Overhead rates from beginning of contract thru 31 Dec 64. Time extension to 15 Sep 67. \$ ---

5-1-66
10-7-68
BS
Mod 2 Revise cost principles. \$ ---

Mod 3 FY 65 and 66 overhead rates \$ ----

Mod 4 Additional time and money added due to difficulties encountered in re-entry and resultant delay in acquiring experiment results. Time extension to 15 Sep 68 \$ 51,000.00

Mod 5 Additional work and correlation of experimental results with theory. Time extension to 15 July 1969 \$ 7,000.00

Mod 6 Time extension to 30 Oct 69. \$ --

Mod 7 Time extension to 4 Jan 71 An additional reporting requirement. \$ ---

Mod 8 \$

Sent to PROEN: Sep 72
To be Destroyed Jul 78

TOTAL: \$288,000.00
PAID: 288,000.00

Performance Completed:

Contract CLOSED:

40 Jan 71
8 Jun 72

CLOSED

Refund: \$ - 0 -

219 No.	Stanford Research Institute Contractor (15 Jun 63 - 31 Aug 64)(NP Status	CPFF a(11) Contract Type & Authority
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SUBJECT: Research in connection with multi-dimensional analysis of stress and strains in soil. \$ 54,640.00
(BS)

LCDR L.D. Crowley, Jr.

Mod 1	Time extension to 31 Oct 64.	\$ ---
Mod 2	Time extension to 30 Nov 64.	\$ ---
Mod 3	FY 63 & 64 overhead rates.	\$ ---
Mod 4		\$
Mod 5		\$
Mod 6		\$
Mod 7		\$
Mod 8		\$
		\$ 54,640.00

Sent to ERSEN: 2 APR 1969
To be Destroyed *Jul 72*

Performance Completed: *15 Dec 64*

Contract CLOSED: 1 Jun 66

CLOSED

Refund: \$ 4,829.44

220	United Aircraft Corporate Systems Center	L	CPFF a(11)
No.	Contractor	Status	Contract Type & Authority
	(15 Jul 63 - 15 Dec 64) (pre-contract fm 1 May 63)		
SUBJECT: Follow-on research study of effects from nuclear explosions of (BS) ground shock in the high overpressure regions.			\$ 235,856.00
LCDR I.D. Crowley, Jr.			
Mod 1	Time extension to 28 Feb 65.		\$ ----
Mod 2	Fy 1963 overhead rates		\$ 16,143.00
Mod 3	Time extension to ^{31 May} 30 Apr 65.		\$ ---
Mod 4	Additional work. Time extension to 31 Jan 66.		\$ 58,985.00
Mod 5	Additional work on plastic wave propagation problem. Time extension to 31 May 66 31 Jul 66. FY 64 overhead rates.		\$ 40,028.00
Mod 6	Time extension to 31 ^{Aug} Oct 66.		\$ ---
Mod 7	Additional costs for Overhead rate adjustment. OH rates for '65		\$ 1,847.00
Mod 8	OH rates for '66		\$ --

Sent to FRCEN: *May 72*
 To be Destroyed *Jul 77*

TOTAL: \$352,859.00
PAID: 352,769.45

Performance Completed: *22 Aug 66*

Contract CLOSED: *14 July 1970*

CLOSED

Refund: \$ 89.55

221	Edgerton, Germeshausen & Grier, Inc. (Boston)	L	CPFF a(11)
No.	Contractor	Status	Contract Type & Authority
	(1 Jun 63 - 31 Oct 63) (pre-contract fm 29 Apr 63)		
SUBJECT:	Photographic support for U.S. participation in the Australian		\$ 9,948.00
(BS)	SLOWDOWN experiment.		

Lt Col C.C. Clifford

Mod 1	Time extension to 31 Jan 64.	\$ ---
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Mod 2		\$
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Mod 3		\$
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Mod 4		\$
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Mod 5		\$
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Mod 6		\$
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Mod 7		\$
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Mod 8		\$
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\$ 9,948.00

Sent to DDEN: 2 APR 1969
 To be processed Jul 65

Performance Completed: 10 Oct 63

Contract CLOSED: 9 Jul 65

Refund: \$ none

222 No.	Defence Research Board Contractor	Govt Status	Cost a(11) Contract Type & Authority
	(1 Jun 63 - 30 Sep 64)		
	SUBJECT: Services related to research concerning 500-ton high-explosive shot scheduled for July 1964 at Suffield Experimental Station, Ralston, Alberta.		\$ 96,000.00
Mr. Kingery (BRL) Capt J Choromokos Jr. (BS)			
Mod 1	Additional technical support.		\$ 69,134.00
Mod 2	Additional services and time extension to 31 Oct 64.		\$ 15,000.00
Mod 3	Time extension to 31 Jul 65.		\$ ---
Mod 4	Time extension to 31 Oct 65.		\$ ---
Mod 5			\$
Mod 6			\$
Mod 7			\$
Mod 8			\$
			\$ 180,134.00
	Sent to EPCEN: 1 2 APR 1969 To be Destroyed Jul 72		
	Performance Completed: Oct 65		\$ 4,800.00 (AEC) \$12,284.50 (DAS) \$ 1,201.71 (WES)
	Contract CLOSED: 6 Apr 66		Refund: \$ 18,286.21

223	Interstate Electronics Corp.	L	CPFF a(11)
No.	Contractor	Status	Contract Type & Authority
	(30 Jun 63 - 30 Jun 64) (pre-contract fm 3 Jun 63)		
SUBJECT: Geophysical planning and operational services in connection with the technical direction of Operation SPIN DRIFT. (BS)			\$ 16,000.00

CDR. J.P. Damrow

Mod 1 Time extension to 31 Dec 64. \$ ---

Mod 2 Time extension to 30 Jun 65. \$ ---

7-12-65
BB

Mod 3 Time extension to ~~31 Jan 66~~ 31 Dec 65. \$ ---

Mod 4 Time extension to 31 Jan 66. \$ ---

Mod 5 Additional funds for cost growth.
(FY63 NWET K43CAXYX912) 01 \$ 357.00

Mod 6 \$

Mod 7 \$

Mod 8 \$

Sent to FRCEN: May 72
To be destroyed Jul 77

TOTAL: \$16,357.00
PAID: 16,256.62

Performance Completed: 31 Jun 65

Contract CLOSED:

13 Nov 70

CLOSED

Refund: \$ 0.38

224 No.	Engineering-Physics Company Contractor (1 Jun 63 - 30 Nov 63)	S Status	CPFF a(11) Contract Type & Authority
SUBJECT: Research services in connection with engineering analysis and preliminary design of particle-velocity instrumentation for use close in to underground explosions. (BS)			\$ 16,770.00
Maj. M.E. Barnes			
Mod 1	Add: experimental investigation of particle-velocity instrumentation for use close-in to underground explosions. Time extension to 31 Jan 65.		\$ 89,520.00
Mod 2	Additional work		\$ 9,900.00
Mod 3	Additional work. Time extension to 30 Nov 65.		\$ 98,710.00
Mod 4 STWT	Field test of particle velocity gage and time extension to 28 Feb 66.		\$ 43,840.00
Capt J.C. Griggs, WTOP-B			
Mod 5	To design and construct 4 induction particle velocimeters Time extension to 31 Dec 66.		\$ ---
Mod 6	Development of mutual induction particle velocimeter operational prototype. Time extension to 30 Apr 67.		\$ 154,385.00
Mod 7	Termination for convenience of the Government.		\$ ---
Mod 8			\$ ---

Sent to FRCEN: Sep 72
To be Destroyed Jul 76

TOTAL: \$413,125.00
PAID: \$413,125.00

Performance Completed: 7 Feb 66
Contract CLOSED: 11 Feb 72

Refund: \$ - 0 -

225 No.	Colorado School of Mines Research Foundation. Contractor	NP S Inc.	Status	CPFF a(11) Contract Type & Authority
	(1 Jun 63 - 31 Dec 63) (pre-contract fm 22 Apr 63)			

SUBJECT: Research services in connection with collection and analyses of soul samples (Project 2.6D) of Operation ROLLER COASTER. \$ 37,500.00
(CTO)

Dr. J.D. Shreve, Jr.

Mod 1 Additional work. Time extension to 30 Jun 64. \$ 22,406.00

Mod 2 Add services of engineer for data interpretation. Time extension to 31 Jan 65. \$ 14,110.00

Mod 3 Changes and additions to work scope. \$ 9,280.00

Mod 4 Additional work (\$98) and time extension to 31 Jul 65. \$ 5,000.00

Mod 5 Time extension to 31 Dec 65. FY 63 overhead rates and add. funds for overhead adjustments. \$ 2,660.00

Mod 6 FY 64 & 65 overhead rates. \$ ----

Mod 7 \$

Mod 8 \$

\$ 90,946.00

Sent to ERGEN: 2 APR 1969

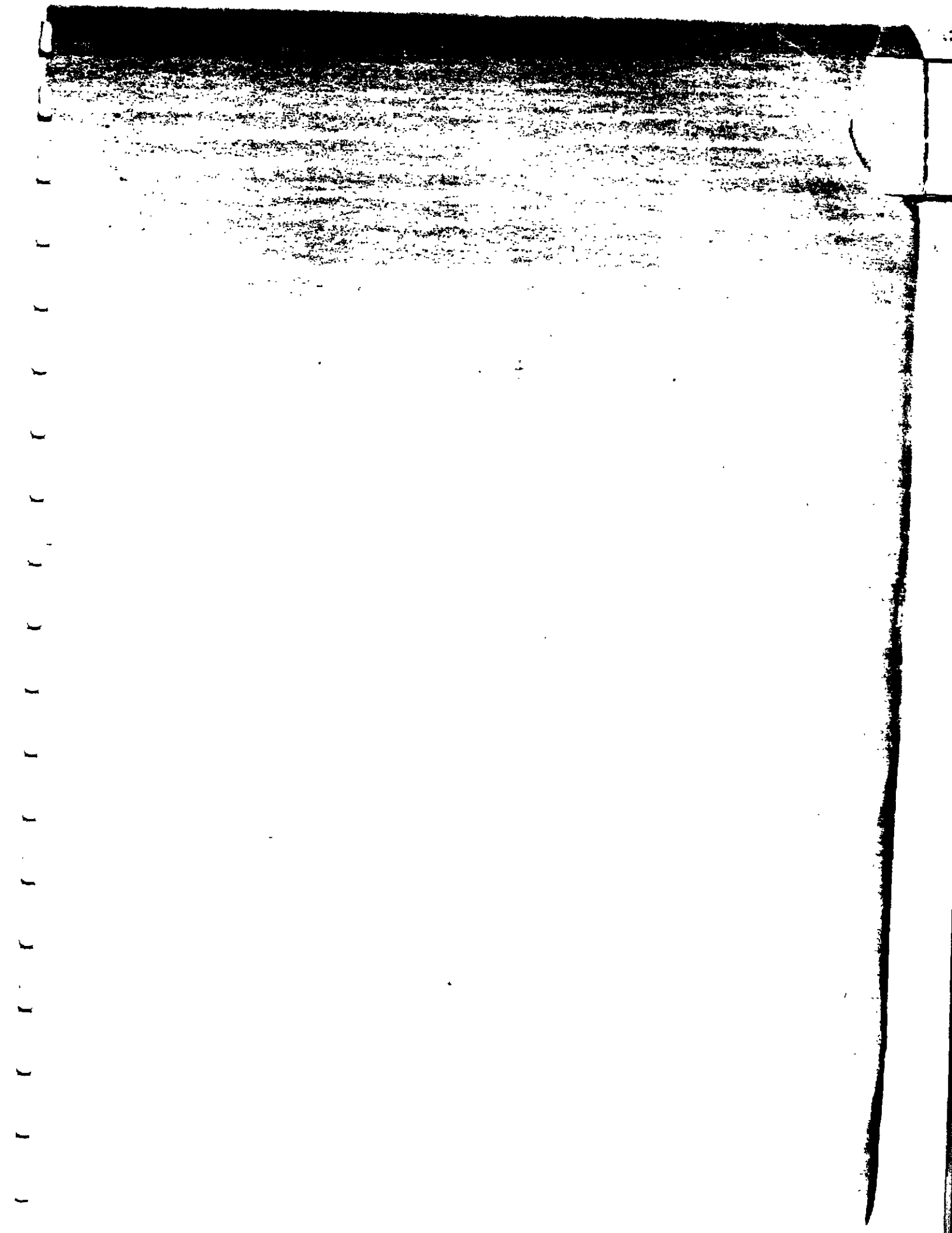
To be Destroyed *Jul 73*

Performance Completed: *30 Apr 66*

Sale of Prop to School
(Check to U.S. Treas) \$306.00

Contract CLOSED: *21 Jan 67*

Refund: \$ 777.07



226	Edgerton, Germeshausen & Grier, Inc. (Goleta)	L	FP a(11)
No.	Contractor	Status	Contract Type & Authority
	(1 Sep 63 - 30 Sep 64)		
SUBJECT: Research services in connection with current and predicted (AFRRI) dosimetry requirements of AFRRI program.			\$ 78,500.00

LCDR H. Dowling

~~Matrix~~ Time extended to 31 Oct 64 by letter. \$

Mod 2 \$

Mod 3 \$

Mod 4 \$

Mod 5 \$

Mod 6 \$

Mod 7 \$

Mod 8 \$

\$ 78,500.00

april 65
July 71

Performance Completed: 1 Nov 64

Contract CLOSED: 27 Jul 65

CLOSED

Refund: \$ none

227 No.	The University of Rochester Contractor	E Status	Open End a(5) Contract Type & Authority
	(24 Jun 63 - 8 Jun 64)		
SUBJECT: Provide instruction at University of Rochester for 16 DASA-sponsored student officers, 1963/1964.			\$ 6,112.00 <u>10,160.00</u>

63
Dr. K.F. Oerlein

Mod 1

\$

Mod 2

\$

Mod 3

\$

Mod 4

\$

Mod 5

\$

Mod 6

\$

Mod 7

\$

Mod 8

\$

\$ 16,272.00

Sent to EDREN: Apr 68
To be Destroyed Jul 71

Performance Completed: 7 Jun 64

Contract CLOSED: 27 Jul 65

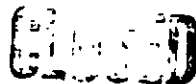
Refund: \$ 4,423.00

228	General Electric Company (TEMPO)	L	Cost a(10)
No.	Contractor (1 Jun 63)	Status	Contract Type & Authority
SUBJECT: Facilities contract for Pan-Fax equipment. (RA)			\$ 47,540.00
Maj C.W. Hulburt			
Mod 1	Additional work.		\$ 7,304.00
Mod 2	Overrun		\$ 9,679.00
Mod 3			\$
Mod 4			\$
Mod 5			\$
Mod 6			\$
Mod 7			\$
Mod 8			\$

Sent to FRCEN: 26 Jan 71
 To be Destroyed Jul 75

Performance Completed: 15 Jun 65

Contract CLOSED: 10 Apr 69



Refund: \$1,102.54

229 No.	NRA, Inc. Contractor	S Status	CPFF a(11) Contract Type & Authority
	(15 Jun 63 - 15 Jun 64)		
SUBJECT: Research for correlation and analysis of instrumentation data with (RA) telluric and magnetic phenomena.			\$ 49,300.00

Dr. C.A. Blank

Mod 1	Time extension to 15 Aug 64.		\$ ---
Mod 2	Time extension to 15 Dec 64.		\$ ---
Mod 3	Time extension to 1 May 65.		\$ ---
Mod 4	Time extension to 15 Sep 65.		\$ ---
Mod 5	Time extension to 15 Nov 65.		\$ ---
Mod 6	Time extension to 28 Feb 66.		\$ ---
Mod 7	Time extension to 31 Mar 66.		\$ ---
Mod 8			\$ ---
			\$ 49,300.00

Sent to FRCEN: 2 APR 1959
To be Destroyed *Jan 73*

Performance Completed: *21 Mar 66*

Contract CLOSED: *28 Sep 66*

Refund: \$ none

230	Jerry B. Marion	S	FP a(11)
No.	Contractor	Status	Contract Type & Authority
	(1 Jun 63 - 1 Oct 63)		
SUBJECT: Research study and recommendations for the AFRRI Accelerator (AFRRI) Facility.			\$ 4,820.00
Maj T.G. Provenzano			
Mod 1	Time extension to 15 Nov 63)		\$ ---
Mod 2			\$
Mod 3			\$
Mod 4			\$
Mod 5			\$
Mod 6			\$
Mod 7			\$
Mod 8			\$
			\$ 4,820.00

Sent to FRCEN: 26 Sept 66
 To be Destroyed July 70

Performance Completed: 29 Nov 63

Contract CLOSED: 4 Feb 64

Refund: \$ none

231	TRW Space Technology Laboratories	L	CPFF a(11)
No.	Contractor (25 Jun 63 - 25 Jun 64)	Status	Contract Type & Authority
SUBJECT: Research for correlation of reed gage data compiled from nuclear explosions (VELA-UNIFORM Task IV explosion series)			\$ 55,678.00
<u>Maj B.M. Carswell</u>			
Mod 1	Time extension to 31 Aug 64.		\$ --
Mod 2	Time extension to 30 Sept 64.		\$ ---
Mod 3	Contractor's name changed.- to 'TRW Systems Group'.		\$ --
Mod 4	Incorporation of OH rates for FY's '63 and '64.		\$
Mod 5			\$
Mod 6			\$
Mod 7			\$
Mod 8			\$
			\$ 55,678.00

Sent to WADEN: 30 SEP 1969
 To be Destroyed Jul 74

Performance Completed: 9 Sep 64

Contract CLOSED: 19 Jun 68

Refund: \$ none

27-61 Sep
 HS

282

Stanford Research Institute

NP

CPFF a(10)

Contractor

Status

Contract Type & Authority

(8 Dec 62 - 30 Jun 63)

\$ 18,036.00

SUBJECT: Maintenance of research equipment (M.V. ACANIA)
(TP&P)

63

~~CDR H.L. Edwards~~ Mr. Evelyn, RAAE

Mod 1	Recaulk wooden decks with Chemseal, or equivalent caulking compound and resand smooth. Time extension to 31 Dec 63.	\$ 17,360.00
-------	--	--------------

Mod 2	Time extension to 30 Jun 64.	\$ 17,665.00
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Mod 3	Correction of clerical error.	\$ --
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Mod 4	Time extension to 30 Jun 65.	\$ 33,476.00
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Mod 5	Continued maintenance through 30 Jun 66.	\$ 34,090.00
-------	--	--------------

Mod 6	FY 63 and 64 overhead rates.	\$ ---
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Mod 7	Time extension to 30 Sep 66.	\$ ---
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Mod 8	Continuation of maintenance through 30 Jun 67	\$ 22,282.00
-------	---	--------------

12-6-65 6-4-65
BP
BB
12/8/66
BP

utrac

Performance Completed:

30 Sep 69
20 Jan 71

CLOSED

CONTINUED

Stanford Research Institute

Contractor (Status (pre-contract fm) Contract Type & Authority

JECT:
AAE

\$

9
Mod k Continuation of maintenance and standby costs for the Motor Vessel ACANIA through 30 June 68. \$ 42,177.00

10
Mod 2x Provide services and crew to operate the ship as a floating laboratory. (ARPA Order No. 1227) Time extension to 31 Dec 68. \$123,356.00

Mod 5 11 OH rates for FY '67 \$ ---

12
Mod 2x Expanded effort for the M/V ACANIA time extension to 30 Jun 69. (NWET MTR K2OZZXHX609) and ARPA ORDER #1227, Mod 1&2) \$ 11,512.00

Mod 2K 13 No-cost time extension: Time extension to 30 Sep 69 Incorporation of OH rates for 1968 and 1969. \$ --

Mod 6 \$

Mod 7 \$

Mod 8 \$

Brought Forward \$

Performance Completed: 30 Sep 69 30 May 72
Contract CLOSED: 20 Jan 71
Total \$ 319,954.00
PAID: 218,530.10
Refund: \$ 1,423.90

CLOSED

233 No.	Thompson Ramo Wooldridge, Inc. Contractor	L Status	FP Contract Type & Authority
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SUBJECT: Design and fabrication of TRW-85 display console.
(NMCSSC)

63

Mr. R.W. Toward

Mod 1

Mod 2

Mod 3

Mod 4

Mod 5

Mod 6

Mod 7

Mod 8

TRANSFERRED TO DCA 2/7/64

Performance Completed:

Contract CLOSED:

Refund: \$

No.	Contractor	Status	CPFF a(11) Contract Type & Authority
234	General Electric Company (Electronics Park) (30 Jun 63 -31 Mar 64)	L	
SUBJECT: Research concerned with the study and implementation of (RA) electromagnetic pulse simulation techniques.			\$ 96,220.00

Dr. C.A. Blank

Mod 1	Time extension to 30 Apr 64.	\$ --
-------	------------------------------	-------

Mod 2	Funds for overhead adjustments	\$ 6,848.27
-------	--------------------------------	-------------

6878.21

Mod 3		\$
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Mod 4		\$
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Mod 5		\$
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Mod 6		\$
-------	--	----

Mod 7		\$
-------	--	----

Mod 8		\$
-------	--	----

\$103,068.27

Sent to FRCEN: 2 APR 1969
To be Destroyed *Jan 72*

Performance Completed: 31 Mar 64

Contract CLOSED: 16 Jun 67

Refund: \$ none

235	The Boeing Company	L	CPFF a(11)
No.	Contractor	Status	Contract Type & Authority
	(1 Jul 63 - 20 Jan 64)		
SUBJECT: Research study to determine the best method of measuring the E field close-in distances to a nuclear burst.			\$ 25,000.00

6-21-63
HS
DEC 63
RB

Dr. C.A. Blank			
Mod 1	Correction of appropriation number.		\$ --
Mod 2	Time extension to 30 Apr 64.		\$ --
Mod 3	Overhead adjustment costs		- \$ 815.11 (decre)
Mod 4			\$
Mod 5			\$
Mod 6			\$
Mod 7			\$
Mod 8			\$

TOTAL: \$ 24,184.89
PAID: 23,806.90
REFUND: 377.99

Performance Completed: 28 Apr 64

Sent to FRCEN: Dec 77
To be Destroyed Oct 83

Contract CLOSED: 15 FEB 77

237	IIT Research Institute	NP	CPFF a(11)
No.	Contractor	Status	Contract Type & Authority
	(30 Jun 63 - 31 Aug 64)		
SUBJECT: Research study to investigate the possibility of synthesizing Hugoniot curves for naturally-occurring rocks, using experimental and theoretical techniques.			\$ 96,999.00
LCDR I.D. Crowley, Jr.			
Mod 1	Add "analysis of experimental data collected to date" and extend time to 28 Feb 65.		\$ 8,875.00
Mod 2	Time extension to 1 Apr 65.		\$ ---
Mod 3			\$
Mod 4			\$
Mod 5			\$
Mod 6			\$
Mod 7			\$
Mod 8			\$
			\$105,874.00

Sent to FROEN: 2 APR 1969
 To be Destroyed *Jul 73*

Performance Completed: *22 Dec 65*

Contract CLOSED: *5 Dec 66*

Refund: \$ none

238	The Boeing Company	L	CPFF a(11)
No.	Contractor	Status	Contract Type & Authority
	(1 Sep 63 - 31 Jul 64) (pre-contract fm 1 Jul 63)		
SUBJECT: Research services in connection with weapons field test instrumentation development. (RA)			\$ 99,090.00

Maj E.L. Arnold

Mod 1	Additional work (TRED recorder) and time extension to 15 Oct 65.	\$ 152,594.00
Mod 2	Time extension to 31 Dec 65.	\$ ---
Mod 3		\$
Mod 4		\$
Mod 5		\$
Mod 6		\$
Mod 7		\$
Mod 8		\$

COVER FEB 1977

Oct 82

TOTAL \$ 251,684.00
PAID \$ 251,684.00

REFUND -0-

Performance Completed: 10 Jan 66

Contract CLOSED: 26 Aug 76

Refund: \$

239	International Business Machines Corp.	L	CPFF
No.	Contractor	Status	Contract Type & Authority
SUBJECT: Programming services related to development of NMCSSC. (NMCSSC)			\$
CDR O.J. Bryant			
Mod 1			\$
Mod 2			\$
Mod 3			\$
Mod 4			\$
Mod 5			\$
Mod 6			\$
Mod 7			\$
Mod 8			\$

TRANSFERRED TO DCA 5/20/64

Performance Completed:

Contract CLOSED:

Refund: \$

240	Lockheed Aircraft Corp.	L	CPFF a(11)
No.	Contractor (30 Jun 63 -31 Jan 64)	Status	Contract Type & Authority
SUBJECT: Research to investigate the effects of impurities on fireball blackout.			\$ 42,330.00
Maj G.R. Underhill, RA (Task I) Lt Col C.R. Peterson, FC, Las Vegas (Task II)			
Mod 1	Task II. Investigation of Instrumentation for Vulnerability Testing. XXXXXXXXXXXXXXXX		\$ 9,958.00
Mod 2	Time extension to 31 Oct 64.		\$ 1,280.00
Mod 3	Final OH rates for '64		\$ ---
Mod 4	Final OH rates for FY 63		\$ --
Mod 5			\$
Mod 6			\$
Mod 7			\$
Mod 8			\$
			\$53,568.00

Sent to GREEN: 26 Jan 71
 To be Destroyed Jul 75

Performance Completed: 31 Oct 64

Contract CLOSED: 17 Feb 69

Refund: \$ 5,535.88

7-19-63
 2-5-64
 RB
 12-67
 10

241	Stanford Research Institute	NP	CPFF
No.	Contractor	Status	Contract Type & Authority
SUBJECT: Research into use of radioactive fallout data in post-attach (NMCSSC) damage assessment system.			\$
<u>Mai R.L. Kletzker</u>			
Mod 1			\$
Mod 2			\$
Mod 3			\$
Mod 4			\$
Mod 5			\$
Mod 6			\$
Mod 7			\$
Mod 8			\$

TRANSFERRED TO DCA 3/12/64

Performance Completed:

Contract CLOSED:

Refund: \$

242	Bio-Dynamics, Inc.	S	CPFF a(11)
No.	Contractor	Status	Contract Type & Authority
	(30 Jun 63 - 31 Aug 64)		
SUBJECT: Research services in connection with preparation of reports on thermal radiation eye injury. (MD)			\$ 23,583.00

LCDR E. Garver

Mod 1	Time extension to 15 Oct 64.	\$ ---
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Mod 2	Revision of Final Report and time extension to 31 Jul 65.	\$ 5,858.00
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Mod 3	Time extension to 15 Oct 65.	\$ ---
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Mod 4		\$
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Mod 5		\$
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Mod 6		\$
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Mod 7		\$
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Mod 8		\$
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\$ 29,441.00

Sent to PROEN: 1 2 APR 1969
To be Destroyed *Jul 72*

Performance Completed: 15 Oct 65

Contract CLOSED: 14 Jun 66

Refund: \$ 179.45

243	Kaman Nuclear	L	CPFF a(11)
No.	Contractor	Status	Contract Type & Authority
	(1 Nov 63 - 30 Jun 64) (pre-contract fm 1 Jul 63)		\$ 73,020.00
SUBJECT: Research and scientific assistance in the achievement and maintenance of a readiness capability for nuclear tests. (TP&P)			
Lt Col A. Prince			
Mod 1	Continuation of research and time extension to 30 Sep 64.		\$ 18,255.00
Mod 2	Continuation of services to 31 Dec 64.		\$ 13,211.00
Mod 3	Change of name.		\$ ---
Mod 4			\$
Mod 5			\$
Mod 6			\$
Mod 7			\$
Mod 8			\$
TOTAL:			\$104,586.00

Sent to FRCEN: *Jan 72*
 To be Destroyed *Jul 76*

Performance Completed: *30 Apr 66*

Contract CLOSED: *17 Jul 64*

CLOSED

Refund: \$ 9,398.21

6-21-63 RB

119 9514

244	Lucius Pitkin, Inc.	S	FP a(11)
No.	Contractor	Status	Contract Type & Authority
	(1 Jul 63 - 1 Mar 64)		
SUBJECT: (FC)	Research services re insitu rock stress measurements under SHOAL Event (Project 1.6)		\$ 21,500.00

Lt Col D.E. Harris

Mod 1	\$
Mod 2	\$
Mod 3	\$
Mod 4	\$
Mod 5	\$
Mod 6	\$
Mod 7	\$
Mod 8	\$
	\$21,500.00

Sent to FRCEN: 26 Sept 66
To be Destroyed July 70

Performance Completed: 27 Apr 64

Contract CLOSED: 7 Jan 65

Refund: \$ none

245 No.	General Electric Company (TEMPO) Contractor (1 Nov 63 - 31 May 64)	L Status	CPFF a(11) Contract Type & Authority
	SUBJECT: Research to provide assistance in establishing a program response capability for use in possible future nuclear tests.		\$ 699,997.00

Maj C.W. Hulburt

Mod 1	Time extension to 15 July 64.	\$ ---
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Mod 2	Additional Task III and IV Time extension to 31 Mar 65.	\$ 244,650.00
-------	--	---------------

Mod 3	Additional Task V. Time extension to 1 Aug 65.	\$ 107,956.00
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Mod 4	Time extension to 31 Aug 65.	\$ ---
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Mod 5	FY 63 overhead rates Time extension to 1 Dec 65.	\$ ---
-------	---	--------

Mod 6	OH Rates for '64 and '65	\$ ---
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Mod 7		\$ ---
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Mod 8		\$ ---
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TOTAL: \$1,052,603.00

Paid: 1,021,752.52

Sent to FRcen: Jan 72
To be Destroyed Jul 76

Performance Completed: 30 Nov 65

Contract CLOSED: 21 Oct 69

CLOSED

Refund: \$ 30,850.48

5-17-64 RB
 3-10-65 RB
 3-29-65 RB

246 No.	NRA, Inc. Contractor	S Status	CPFF a(11) Contract Type & Authority
	(15 Jul 63 - 15 Jul 64)		
SUBJECT: Research concerning a study of the phenomenological aspects of (RA) bomb-induced waves.			\$ 64,683.00
<u>Maj C.W. Hulburt</u>			
Mod 1	Time extension to 15 Dec 64.		\$ ---
Mod 2	Funds for overhead adjustments.		\$ ⁵⁶⁷ 8,567.00
Mod 3			\$
Mod 4			\$
Mod 5			\$
Mod 6			\$
Mod 7			\$
Mod 8			\$
			\$73,250.00

Sent to FRCEN: 2 APR 1969
 To be Destroyed Jul 72

Performance Completed: 15 Dec 64

Contract CLOSED: 28 Sep 66

Refund: \$ none

247	Aeronutronic	L	CPFF a(11)
No.	Contractor	Status	Contract Type & Authority
	(15 Jan 64 - 15 Jan 65)		

SUBJECT: Research services to experimentally investigate transient acrodynamic loading on a re-entry vehicle due to shock waves intercept. \$ 95,995.00

Maj H. Wynne

Mod 1 Overrun and change in work scope. \$ 9,950.00
 Time extension to 15 Mar 65. (overrun only)

Mod 2 Time extension to 15 Aug 65. \$ ---

novation agreement
 Mod 3 Incorporation of OH rates '64 and '65 \$ -----

Mod 4 \$

Mod 5 \$

Mod 6 \$

Mod 7 \$

Mod 8 \$

TOTAL: \$105,945.00

Sent to FRCEN: 26 Jun 71
 To be Destroyed Jul 75

CLOSED

Performance Completed: 30 Jul 65 26 Jun 69

Contract CLOSED: Refund: \$ 872.00

No.	Contractor	Status	Contract Type & Authority
248	Nuclear Utility Services, Inc. (10 Sept 63 - 1 Sept 64)	S	CPFF a(11)

SUBJECT: Research services for design of a broad beam exposure port for the (AFRRI) Fast Neutron Exposure Room (FNER), AFRRI \$ 39,956.00

Mr. C. Garrett

Mod 1 Change in Technical Objectives. Time extension to 31 Jan 65. \$ ---

Mod 2 Time extension to 30 Jun 65. \$ ---

Mod 3 Time extension to 30 Jun 66 \$ ---

Mod 4 \$

Mod 5 \$

Mod 6 \$

Mod 7 \$

Mod 8 \$

Sent to FRCEN: 26 Jan 71
To be Destroyed Jul 75

TOTAL: \$39,956.00

Performance Completed: 7 Feb 66

CLOSED

Contract CLOSED:

25 Jun 69

Refund: \$ 989.48

3/23/65 22 Jan 64 9-13-63 145

249	MHD Research, Inc.	S	CPFF a(11)
No.	Contractor (25 Jul 63 - 31 Dec 63)	Status	Contract Type & Authority
SUBJECT: (FC)	Research to examine selected techniques for evaluating the vulnerability of a re-entry vehicle to a nuclear explosion.		\$ 14,725.00
Lt Col C.R. Peterson			
Mod 1 AEC	Add: Design, develop, and fabricate passive pressure impulse gauges. Time extension to 30 Jun 64.		\$ 22,650.00
Mod 2 AEC	Overrun costs.		\$ 334.73
Mod 3			\$
Mod 4			\$
Mod 5			\$
Mod 6			\$
Mod 7			\$
Mod 8			\$
			\$37,709.73

Sent to FRCEN: 2 APR 1969
 To be Destroyed *Jul 73*

Performance Completed: 30 Jun 64

Contract CLOSED: 19 Dec 66

Refund: \$ none

250	Edgerton, Germeshausen & Grier, Inc. (Goleta)	L	CPFF a(11)
No.	Contractor	Status	Contract Type & Authority
	(1 Feb 64 - 31 Oct 64)		

SUBJECT: Research and services necessary for the development of airborne surveillance instrumentation. (RA) \$ 54,860.00

Capt A.V. Polk

Mod 1 Time extension to 31 Jan 65. \$ ----

Mod 2 Time extension to 30 Jun 65. \$ ---

Mod 3 Time extension to 28 Feb 66. \$ ---

Mod 4 \$

Mod 5 \$

Mod 6 \$

Mod 7 \$

Mod 8 \$

TOTAL: \$54,860.00

PAID: 54,860.00

Sent to FRCEN: *Jan 72*
To be Destroyed *Jul 76*

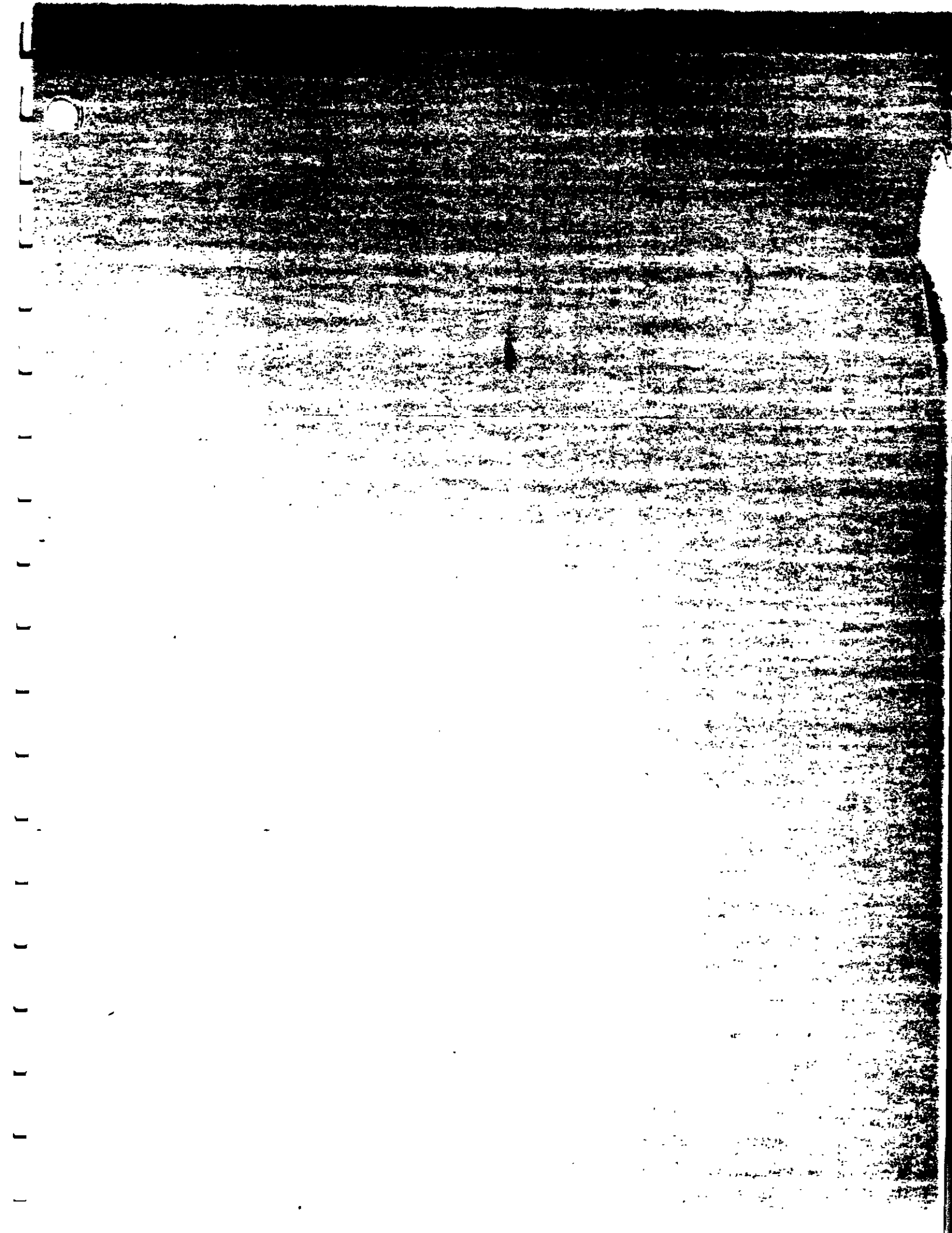
Performance Completed: *28 Feb 66*

Contract CLOSED: *17 Dec 64*

Refund: \$ = 0 -

9-14-63
 AR
 22 Oct 64
 R.P.
 1-28-65





251 No.	The University of Arizona Contractor (16 Sept 63 - 30 Sept 64)	B Status	Cost a(5) Contract Type & Authority
SUBJECT: Research and related studies for development of radiation detection and recording system for unattended locations. (R&D)			\$ 19,795.00
Maj R.W. Blum CDR J.F. Kureess			
Mod 1	Investigate the kinetics and Mechanisms of auto-catalytic chemical reactions involving free radicals. Develop the results of the above investigations Time extension to 31 Dec 65.		\$ 52,263.00
Mod 2	Funds for increasing present level of effort.		\$ 6,985.00
Mod 3	Continue development of chemical dosimeter technique using ferrous ion technique and time extension to 30 Sept 66. 1 Oct 66.		\$ 20,121.00
Mod 4	Time extension to 1 Apr 67		\$
Mod 5	Final OH rates for FY's 65 and 66		\$ ---
Mod 6			\$
Mod 7			\$
Mod 8			\$
TOTAL:			\$99,174.00

Sent to FRCEN: 26 Jun 71
To be Destroyed Jul 75

Performance Completed: 1 Apr 67
tract CLOSED: 24 Feb 69

CLOSED

Refund: \$ 2,422.16

8-10-63
9-28-64
27 Feb 65
1-7-66
9 Nov 66

252	Itek Corp.	L	FP a(11)
No.	Contractor	Status	Contract Type & Authority
	(15 Oct 63 - 30 Apr 64)		
SUBJECT: Furnishing one mobile film processor (Itek Model LB-10) for use in field site test operations. (FC)			\$ 17,100.00

Lt Col E.E. Shelton

Mod 1	\$
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Mod 2	\$
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Mod 3	\$
-------	----

Mod 4	\$
-------	----

Mod 5	\$
-------	----

Mod 6	\$
-------	----

Mod 7	\$
-------	----

Mod 8	\$
-------	----

\$ 17,100.00

Sent to [unclear] Apr 68
 To be [unclear] Jul 71

Performance Completed: 4 Mar 65

Contract CLOSED: 20 Jul 65

Refund: \$ none

253	Houston-Fearless Corp.	L	FP a(11)
No.	Contractor	Status	Contract Type & Authority
	(30 Sep 63 -29 Feb 64)		
SUBJECT: (FC)	Refurbishing P-70 mobile film processor for use in field test operation.		\$ 8,327.00

Maj E.E. Shelton

Mod 1

\$

Mod 2

\$

Mod 3

\$

Mod 4

\$

Mod 5

\$

Mod 6

\$

Mod 7

\$

Mod 8

\$

Sent to FROEN: 26 Sept 66
To be Destroyed July 70

\$ 8,327.00

Performance Completed: 17 Jan 64

Contract CLOSED: 18 Mar 64

Refund: \$ none

254	Radiation Research Associates	S	CPFF a(11)
No.	Contractor (1 Sept 63 - 31 Mar 64)	Status	Contract Type & Authority
SUBJECT: (AFRRRI)	Research services in connection with determination and comparison of radiation fields.		\$ 19,721.00
Mr. Charles Garrett			
Mod 1	Additional work. Time extension to 15 Apr 64.		\$ 33,577.00
Mod 2	Time extension to 1 Jun 64.		\$ ---
Mod 3	Time extension to 30 Jun 64.		\$ ---
Mod 4	Add: Task D - Preparation of Presentation Paper. Time extension to 31 Jul 64.		\$ 1,250.00
Mod 5			\$
Mod 6			\$
Mod 7			\$
Mod 8			\$
			\$ 54,548.00

Sent to FRCEN: 2 APR 1969
 To be Destroyed Jul 73

Performance Completed: 30 Jun 64

Contract CLOSED: 4 Apr 67

Refund: \$ 429.90
 430.00

255 No.	Geophysics Corp. of America Contractor	L Status	CPFF a(11) Contract Type & Authority
	SUBJECT: Research services for an integrated analysis of long-term debris motion and effects on radar and communication systems (Operation FISH BOWL)		\$ 246,848.00
	XXXXXXXXXX Maj A. M. Simko RAEL		
8-21-65 HS	Mod 1	Add "Negotiated Overhead Rates" clause beginning FY ending 30 Sep 63.	\$ ---
10-12-64 BS	Mod 2	Time extension to 31 Mar 65.	\$ ---
2-2-65 BS	Mod 3	Further analysis of long term debris motion and time extension to Time extension to 15 Sept 66.	\$ 149,935.00
6-14-65 HS	Mod 4	FY 63 & 64 overhead rates.	\$ ---
5-24-66 BS	Mod 5	Continuation of Analysis of Long Term Debris Motion and Effects Time extension to 30 Mar 68.	\$71,369.00
	Mod 6	Time extension to 31 Aug 68.	\$ ----
	Mod 7		\$
	Mod 8		\$

Sent to FRCEN: Sep 72
To be Destroyed Jul 78

TOTAL: \$468,152.00
PAID: 467,431.45

Performance Completed: 21 Oct 68

Contract CLOSED:

9 May 72

CLOSED

Refund: \$ 720.55

256	Northrop Corp.	L	CPFF s(11)
No.	Contractor	Status	Contract Type & Authority
	(1 Sep 63 - 30 Jun 64)(pre-contract fm 26 Aug 63)		
SUBJECT: Research services for the design, development, fabrication and testing of one prototype of a Cloud Sampling Pod. (RA)			\$ 83,816.00
LCDR R.E. Peterson			
Mod 1	Change subject from "...one prototype of a Cloud Sampling Pod" to "...Cloud Sampling System". Time extension to 24 Dec 64.		\$ 166,132.00
Mod 2	Additional funds for increased labor and overhead and additional effort and material required in performance of existing work scope.		\$ 47,362.00
Mod 3	Change in work scope. Time extension to 30 Jun 65. Refurbishing of drones on loan from Navy.		\$ 12,981.00
Mod 4	Name (division) and address change.		\$ ---
Mod 5			\$
Mod 6			\$
Mod 7			\$
Mod 8			\$
			\$310,291.00

Sent to TDREN: 30 Oct 1969
 To be destroyed Jul 74

Performance Completed: 5 Feb 65
 Contract CLOSED: 27 Sep 67

Refund: \$ none

8-21-63
 HS
 7-7-64
 HS
 8-8-64
 HS
 10-14-64
 HS

Chris Miller

257	Edgerton, Gerneshausen & Grier, Inc. (Goleta)	L	CPFF a(11)
No.	Contractor	Status	Contract Type & Authority
	(15 Nov 63 - 1 Apr 64)		
SUBJECT: Research services for a feasibility study for the AFRRRI of a (AFRRRI) mobile laboratory for evaluation of nuclear contamination.			\$ 8,095.00
LCDR J. Duckworth			
Mod 1	Time extension to 15 May 64.		\$ ---
Mod 2			\$
Mod 3			\$
Mod 4			\$
Mod 5			\$
Mod 6			\$
Mod 7			\$
Mod 8			\$
TOTAL:			\$8,095.00
Sent to OPEN: 26 Jan 71 To be Deleted Jul 75			
Performance Completed: 15 May 64			
<u>Contract CLOSED:</u> 17 Jun 69			Refund: \$147.50
CLOSED			

Performance Completed: 15 May 64

Contract CLOSED: 17 Jun 69

CLOSED

Refund: \$147.50

258	Barry Controls	L	FP a(11)
No.	Contractor	Status	Contract Type & Authority
	(2 Dec 63 - 30 Nov 64)		
SUBJECT: (BS)	Research for extension of Fourier Transform analysis to ground shock data from small explosions.		\$ 49,935.00
LCDR I.D. Crowley, Jr.			
Mod 1 Letter	Time extension to 31 Jan 65.		\$ ---
Mod 2			\$
Mod 3			\$
Mod 4			\$
Mod 5			\$
Mod 6			\$
Mod 7			\$
Mod 8			\$
			\$ 49,935.00

CANCELLED: Apr 68
 Total destroyed Jul 71

Performance Completed: 6 Jan 65

Contract CLOSED: **CLOSED** 8 Jan 65

Refund: \$ none

259 No.	Stanford Research Institute Contractor (26 Nov 63 - 31 Dec 64)	NP Status	CPFF a(11) Contract Type & Authority
SUBJECT: Research for developing a technique for the measurement of electron density in a nuclear burst environment. (RA)			\$ 1,277,731.00
<u>Maj G.R. Underhill</u>			
Mod 1	Add: Select and place under yr's lease (option to buy) a digital computer. Time extension to 30 Jun 65.		\$ 31,320.00
Mod 2	Additional work scope and time extension to 30 Jun 66. Time extension to 30 June 66.		\$ 445,478.00
Mod 3	Change to: select and place under 16-month lease. FY 63 and 64 overhead rates.		\$ 18,129.00
Mod 4	FY 64 overhead rates. Change to: select and place under 19-month lease		\$ ---
Mod 5	Time extension to 31 Oct 66		\$ ----
Mod 6	Final OH rates for 65 and 66 Delete Clause of "Small Business....."		\$ ---
Mod 7	FY 65 overhead rates		\$ ---
Mod 8			\$

Sent to FRCEN: 26 Jun 71
To be Destroyed Jul 75

TOTAL: \$1,772,658.00

Performance Completed: 29 Sep 66

Contract CLOSED: 2 Jan 67

Refund: \$ 2,984.37

260	Edgerton, Germeshausen & Grier, Inc. (Goleta)	L	CPFF a(11)
No.	Contractor (23 Sept 63 - 30 Sept 65)	Status	Contract Type & Authority
SUBJECT: (FC)	Photo-optical measurements and other support services, Projects 1.3B, 3.4, 3.6, (.3B, and 9.14 of Operation PILE DRIVER.		\$ 142,800.00
LCDR W. Bannister (3.6, 9.3B & 9.14) Maj J. Cahoon (1.3B) Maj E. Shelton (3.4)			
Mod 1	Decreased costs, Project 3.4, as result of termination of consultant agreement.		\$ 3,974.00 (DECREASE)
Mod 2	Delete work on Project 1.3B		\$ 9,467.00 (DECREASE)
Mod 3	Additional work on Tunnel-Liner Photography XXXXXXXXXXXX		\$ 44,119.00
Mod 4	Time extension to 31 Aug 66.		\$ ---
Mod 5	Time extension to 31 Dec 66.		\$ ---
Mod 6	Time extension to 31 Dec 67		\$ -----
Mod 7	Time extension to 30 Jun 68.		\$ ---
Mod 8	Time extension to 31 May 69		\$ -----

10/28/64
HS

9/21/65
68

FFR 1977

Oct 82

TOTAL \$173,478.00
PAID \$173,478.00
REFUND -0-

Work Completed:

CLOSED: 26 Aug 76

15 May 69

Refund: \$

261	Minnesota Mining & Manufacturing Company	L	CPFF a(11)
No.	Contractor	Status	Contract Type & Authority
	(15 Sep 63 - 15 May 64)		
SUBJECT: Research services for a feasibility study of a fallout simulator facility for AFRI.			\$ 63,250.00

Mr. Beech Maury

Mod 1	Time extension to 1 Jun 64.	\$ ---
Mod 2	Additional funds for overrm.	\$ 9,093.00
Mod 3		\$
Mod 4		\$
Mod 5		\$
Mod 6		\$
Mod 7		\$
Mod 8		\$
\$ 72,343.00		

Sent to FRCEN: 26 Jun 71
 To be Destroyed Jul 75

Performance Completed: 1 Aug 64

Contract CLOSED: 1 Oct 65

Refund: \$ none

262	Lucius Pitkin, Inc.	S	CPFF a (11)
No.	Contractor	Status	Contract Type & Authority
	(1 Apr 64 - 30 Oct 65)		
SUBJECT: Research to determine in situ rock stress under Project 1.5B (FC) (Operation PILE DRIVER)			\$ 73,443.00

Maj J. Cahoon

Mod 1	Time extension 31 Dec 66.	\$ ---
-------	---------------------------	--------

Mod 2	Termination (15 Mar 66)	\$
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Mod 3		\$
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Mod 4		\$
-------	--	----

Mod 5		\$
-------	--	----

Mod 6		\$
-------	--	----

Mod 7		\$
-------	--	----

Mod 8		\$
-------	--	----

\$73,443.00

Sent to FROEN: 2 APR 1969
 To be Described *Jul 73*

Performance Completed: 3 Jun 66

Contract CLOSED: 9 Feb 67

Refund: \$ none

263	NRA, Inc.	S	CPFF a(11)
No.	Contractor	Status	Contract Type & Authority
	(23 Sept 63 - 31 Dec 64)		
SUBJECT: Research services in connection with electromagnetic pulse sensor (RA) development.			\$ 181,111.00
Dr. C.A. Blank <i>Capt J.R. Smith</i>			
Mod 1	Additional work and time extension to 20 Dec 65.		\$ 211,522.00
Mod 2	Time extension to 1 Mar 66.		\$ ---
Mod 3	Funds for overhead adjustments.		\$ 41,361.00
Mod 4			\$
Mod 5			\$
Mod 6			\$
Mod 7			\$
Mod 8			\$
			\$ 433,994.00

Sent to EROEN: *26 Jan 71*
 To be Destroyed *Jul 75*

Performance Completed: 30 Jun 66

Contract CLOSED:

12 Mar 69

Closed

Refund: \$ none

*10-20-66
115*

264	TRW Space Technology Laboratories	L	CPFF a(11)
No.	Contractor (1 Sept 63 - 31 Aug 65)	Status	Contract Type & Authority
SUBJECT: Evaluation of characteristics of gage design and measurement of shock spectrol (Project 3.3 of Operation PILE DRIVER).			\$ 57,700.00

~~1300 W. 11th Street~~ Capt John D. Paull, TC

12-22-64 RB
1-18-65 AIR
1/27/65
4 Dec 66 D

Mod 1	Incorporation of PERT		\$ 6,045.00
Mod 2	Time extension to 31 Dec 66.		\$ 1,263.00
Mod 3	Contractor's name change to "TRW Systems Group"		\$ ---
Mod 4	Time extension to 31 Dec 67		\$ ----
Mod 5	Time extension to 30 Jun 68. Prepare and present a research paper at PILE DRIVER Symposium.		\$ 1,500.00
Mod 6	Costs for repairing 5 gages. Time extension to 28 Feb 69.		\$ 651.00
Mod 7			\$
Mod 8			\$

Sent to FRCEN: Sep 72
To be Destroyed Jul 78

TOTAL: \$67,159.00
PAID: 66,224.60

Performance Completed: 3 Mar 69

Contract CLOSED: 22 Dec 71

Refund: \$34.40

265 No.	Hagleton-Nuclear Science Corp. Contractor (1 Oct 63 - 15 Jul 64)(pre-contract fm 27 Jul 63)	S Status	CPFF a(11) Contract Type & Authority
SUBJECT: Radiochemical analyses of samples under Operation ROLLER COASTER (FC) Projects 5.2A and 5.3A.			\$ 156,228.00

MaJ J.B. Oblinger

Mod 1	Change in one portion of work scope and addition of advisory services during evaluation and interpretation of data.	\$ 30,131.00
Mod 2	Funds to cover unanticipated costs re use of security and scientific personnel. Time extension to 31 Jan 65.	\$ 20,131.00
Mod 3	Change in work scope.	\$ 25,441.00
Mod 4	Additional work (9.98), adjustment for additional overhead costs, and time extension to 30 Jun 65.	\$ 24,184.00
Mod 5		\$
Mod 6		\$
Mod 7		\$
Mod 8		\$

Sent to FRCEN: 26 Jan 71
 To be Destroyed Jul 76

Performance Completed: 1 Jun 65

Contract CLOSED: 2 Jan 69

Refund: \$ 2,227.07

266	IIT Research Institute	NP	CPFF a(11)
No.	Contractor (1 Feb 64 - 30 Sept 65)	Status	Contract Type & Authority
SUBJECT: Research to provide pre-shot hydrodynamic analysis and close-in stress measurements of PILE DRIVER (Project 1.3A). (FC)			\$ 189,649.00
Maj J. Cahoon (FC) Maj M.E. Barnes (BS)			
Mod 1	changes in 'Scope of work" xxxxxxxxxxxx		\$ 53,270.00
Mod 2	Time extension to 30 Sept 66.		\$ ---
Mod 3	Time extension to 31 Dec 66		\$ ---
Mod 4	Time extension to 30 Jun 67		\$ ---
Mod 5			\$
Mod 6			\$
Mod 7			\$
Mod 8			\$
TOTAL:			\$242,919.00

Sent to FRCEN: 26 Jan 71
 To be Destroyed Jul 75

Performance Completed: 5 June 67

Contract CLOSED: 24 Feb 69

CLOSED

Refund: \$ 526.35

267	Bovertown Auto Body Works	S	FP a(10)
No.	Contractor	Status	Contract Type & Authority
	(20 Dec 63 - 20 Apr 64)		
SUBJECT: Specialized vehicle. (901st Intel)			\$ 10,684.00

Mr. J.T. Fuqua, Jr.

Mod 1	Changes in vehicle specification. Time extension to 15 Jun 64.	\$ ---
Mod 2	Change in delivery requirements and time extension to 25 Aug 64.	\$ 230.00
Mod 3		\$
Mod 4		\$
Mod 5		\$
Mod 6		\$
Mod 7		\$
Mod 8		\$
		\$ 10,914.00

Sent to SPEN: Apr 64
To be destroyed Jul 71

Performance Completed: 31 Aug 64

Contract CLOSED: 28 Jul 65

Refund: \$ none

No.	Contractor (14 Oct 63 - 15 Dec 64)	Status	CPFF a(11) Contract Type & Authority
268	Lockheed Aircraft Corp.	L	
SUBJECT: Research to perform a study of high-altitude FISH BOWL phenomena. (RA)			\$ 175,000.00
May 65 to October 65 LTC Simko, RAAE			
Mod 1	Time extension to 15 Jun 65.		\$ ---
Mod 2	Time extension to 15 Aug 65.		\$ ---
Mod 3	Add: Phase V, VI, VII, and VIII. Time extension to 15 Nov 66.		\$ 177,560.00
Mod 4	Time extension to 15 May 67.		\$ ---
Mod 5	Time extension to 15 Jun 67		\$ -----
Mod 6	Continuation of FISH BOWL data analysis. Time extension 31 Aug 68 64 overhead rates		\$ 49,892.00
Mod 7	Final OH rates for FY 63		\$ ---
Mod 8	Time extension to 31 Oct 68. and OH rates for '65		\$ ---
Mod 9	Incorporation of '66 and '67 rates		\$ --
MOD 10	Incorporation of '68 rates		\$ --

8/17/65
RR
5-20-66
BA
5-23-67

Performance Completed: 23 Oct 68
 Contract CLOSED: 24 Feb 71
CLOSED

Sent to FREEMAN May 72
 To be Destroyed Jul 71

TOTAL: \$402,452.00
 PAID: 402,452.00
 Refund: \$ - 0 -

269	Geophysics Corp. of America	L	CPFF a(11)
No.	Contractor	Status	Contract Type & Authority
	(21 Oct 63 -30 Sept 64)		
SUBJECT: Design, development and construction of instrumentation for observing selected debris species by resonance scattering of sunlight.			\$ 99,440.00

9-27-63
H.S.

Lt T.G. Cagle

2-11-66
B.R.

Mod 1 Time extension to 28 Feb 65 \$ ---

2-15-66
I.D.

Mod 2 Time extension to 30 ~~Sept 64~~ ^{Jun 65} \$ ---

Mod 3 \$

Mod 4 \$

Mod 5 \$

Mod 6 \$

Mod 7 \$

Mod 8 \$

TOTAL: \$99,400.00

Sent to FROEN: 30 SEP 1969
To be Destroyed Jul 74

Performance Completed: 21 Jun 65

Contract CLOSED: 25 Jun 68

Refund: \$979.52

270	Edgerton, Germeshausen & Grier, Inc. (Boston)	L	CPFF a(11)
No.	Contractor (9 Mar 64 - 31 Mar 65)	Status	Contract Typ & Authority

SUBJECT: Research involved in preliminary planning of optical instrumentation, \$ 375,618.00
(RA) Operation BLUE ROCK.

Mr. J. Snyder

Mod 1	Time extension to 31 Aug 65.	\$ ---
Mod 2	Add. funds for purchase of IR vidicon system and time extension to 30 Apr 66 . 30 Apr 66.	\$ 74,364.00
Mod 3	Time extension to 31 Jul 66.	\$ ---
Mod 4	Time extension to 31 Dec 66	\$ ---
Mod 5	Time extension to 30 Jun 67.	\$ ---
Mod 6	Costs for overrun	\$ 4,115.00
Mod 7		\$
Mod 8		\$

Sent to ERGEN: May 72
To be ~~closed~~ Jul 77

total; \$454,097.00
PAID: 454,097.00

Performance Completed: 15 Dec 67

Contract CLOSED: 13 Oct 70

Refund: \$ - 0 -

271 No.	Stanford Research Institute Contractor (1 Oct 63 - 31 Oct 65)	NP Status	CFFF a(11) Contract Type & Authority
SUBJECT: Research to perform a study of structural effects and ground motion - \$330,380.00 (FC) PILE DRIVER.			
LCDR W.H. Bannister			
Mod 1	Additional work.		\$252,679.00
Mod 2	Additional work Time extension to 31 Aug 66.		\$ 74,130.00
Mod 3	Additional/ ^{equipment and} test preparation and time extension to 31 Dec 66.		\$ 173,236.00
Mod 4	Additional costs due to extension of field services.		\$ 33,553.00
Mod 5	Additional work required for efficient utilization of PILE DRIVER test results. Time extension to 30 Jun 67		\$ 38,200.00
Mod 6	Additional efforts required in performance of contract scope for a study of structural effects and ground motion - PILE DRIVER, Projects C.2A and 1.1 Time extension 3. ^{Sept} 67		\$ 17,300.00
Mod 7	Time extension 30 ^{June} April 68		\$ ----
Mod 8	Time extension to 28 Feb 69.		\$ ----
Mod 9	OH rates for '67		\$ ---
Mod 10	OH rates for '68		\$ --

Sent to FROEN: May 72
To be Destroyed Jul 77

TOTAL: \$919,478.00
PAID: \$19,159.35

Performance Completed: 12 July 69
Contract CLOSED: 13 Jul 70

CLOSED

Refund: \$ 318.65

272	National Engineering Science Company	S	CPFF a(11)
No.	Contractor	Status	Contract Type & Authority
	(22 Oct 63 - 30 Sep 64)		
SUBJECT: Research services for refinement of the analytical model of the water wave from time of breaking through run-up on shore. (BS)			\$ 42,866.00

Lt P.N. Livingstone

Mod 1	Time extension to 31 Dec 64.	\$ ---	
Mod 2		\$	
Mod 3		\$	
Mod 4		\$	
Mod 5		\$	
Mod 6		\$	
Mod 7		\$	
Mod 8		\$	
			\$ 42,866.00

Sent to OPEN: 2 APR 1969
To be closed Jul 72

Performance Completed: 25 Jan 65

Contract CLOSED:

11 Feb 66

Refund: \$ 116.54

273	Stanford Research Institute	NP	CPFF a(11)
No.	Contractor	Status	Contract Type & Authority
	(3 Sep 63 - 30 Apr 65)		
SUBJECT: Research related to the development of kilobar earth pressure gauges and to experimentation with such gauges in field tests (BS) (Project COACH)			\$ 46,823.00

Maj B.M. Carswell

			DECREASE
Mod 1	Decrease in work scope and change in completion date to 15 Jul 64.		\$ 37,223.00
Mod 2	FY 64 overhead rates.		\$ ---
Mod 3			\$
Mod 4			\$
Mod 5			\$
Mod 6			\$
Mod 7			\$
Mod 8			\$
			\$ 9,600.00

Sent to OPEN: 2 APR 1969
 To be Destroyed Jul 72

Performance Completed: 30 Jun 64

Contract CLOSED: 29 Jun 66

Refund: \$ 597.97

274	Houston-Fearless Corp.	L	FP a(11)
No.	Contractor	Status	Contract Type & Authority
	(6 Dec 63 - 21 Jun 64)		

SUBJECT: Design, development and delivery of a mobile photographic processing facility. **\$ 585,167.00**
(FC)

Lt Col James

Mod 1	\$
Mod 2	\$
Mod 3	\$
Mod 4	\$
Mod 5	\$
Mod 6	\$
Mod 7	\$
Mod 8	\$
	\$ 585,167.00

*Contractor: apr 62
 Terminated: Jul 71*

Performance Completed: 19 Jun 64

Contract CLOSED: 22 Jun 65

Refund: \$ none

275	Stanford Research Institute	NP	CPFF a(11)
No.	Contractor	Status	Contract Type & Authority
	(27 Dec 63 -31 Dec 64)		
SUBJECT: Research to develop improved instrumentation for nuclear testing. (RA)			\$ 568,000.00

~~M/I/G/R/Underhill~~ 1st Lt W.P. Grace, WTD

Mod 1 Time extension to 31 Mar 65 \$ ---

Mod 2 Data processing information for BLUE ROCK 9.9. Time extension \$ 14,700.00
to ~~30 Nov 65~~ 31 Jan 66.

Mod 3 Final OH rates for '65 \$ --

Mod 4 FY 66 overhead rates \$ ---

Mod 5 \$

Mod 6 \$

Mod 7 \$

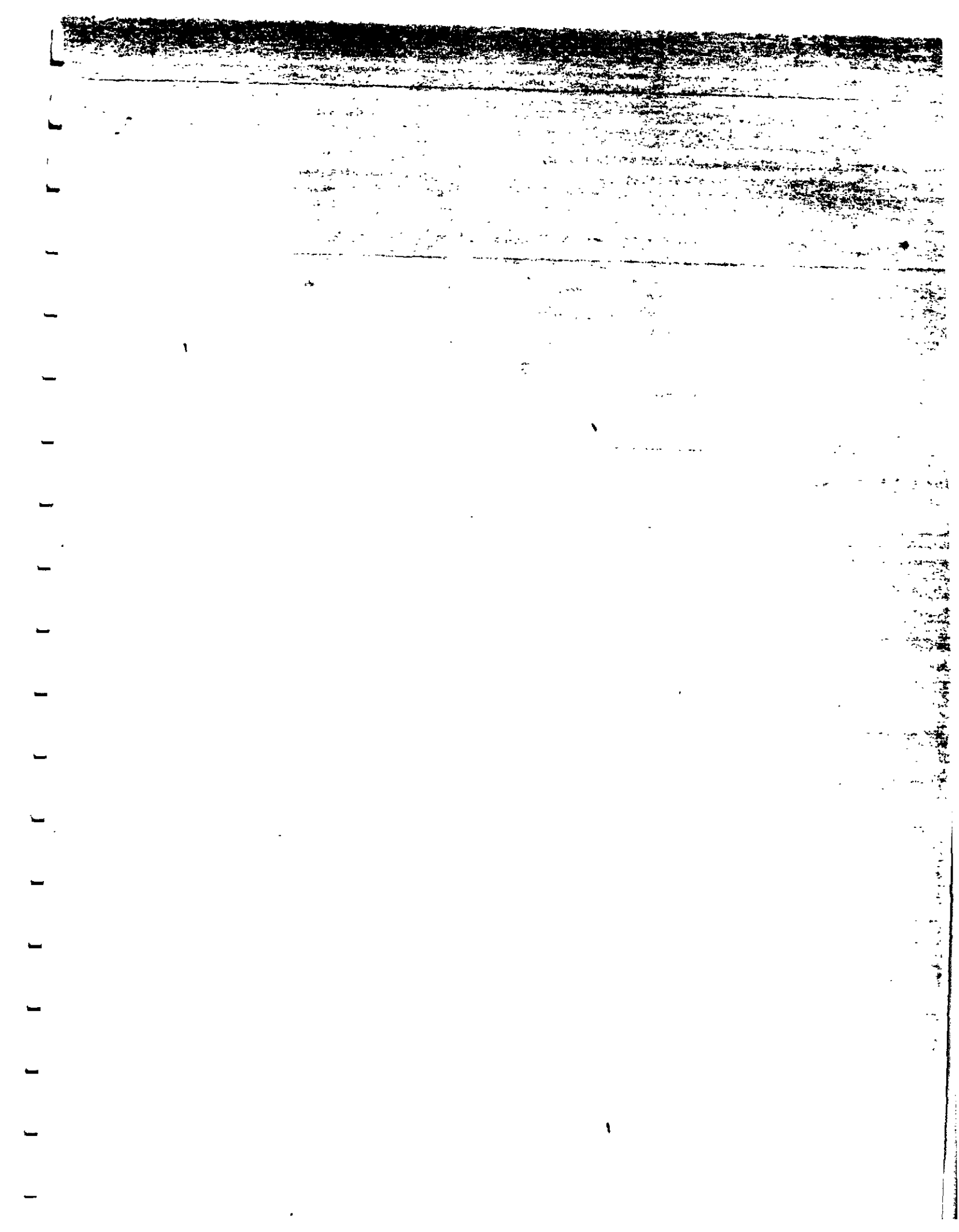
Mod 8 \$

Sent to FRCEN: 26 Jan 71
To be Destroyed Jul 75

\$582,700.00

Performance Completed: 15 Nov 65

Contract CLOSED: 29 Aug 68 Refund: \$ none



276	Control Systems Associates, Inc.	L	Contract Type & Authority
No.	Contractor	Status	
SUBJECT: Research to assist in evaluation of and development of specifications for National Military Command System Support Center (NMCSSC) data processing equipment.			\$
Maj E.E. Shoults			
Mod 1			\$
Mod 2			\$
Mod 3			\$
Mod 4			\$
Mod 5			\$
Mod 6			\$
Mod 7			\$
Mod 8			\$

TRANSFERRED TO DCA 5/25/64

Performance Completed:

Contract CLOSED:

Refund \$

277	Stanford Research Institute	NP	CPFF a(11)
No.	Contractor	Status	Contract Type & Authority
	(15 Jan 64 - 30 Apr 65)		\$ 119,640.00
SUBJECT: (BS)	Vela Uniform Point Source Research Program for investigative research into the behavior of rocks and minerals under dynamic loading.		

LTJG F.W. Brady, Jr.

Mod 1	Overrun costs (\$2500) and time extension to 15 Jun 65.	\$ 2,435.00
Mod 2	Additional work. Time extension to 30 Sept 66.	\$ 99,950.00
Mod 3	FY 64 Overhead Rates.	\$ ---
Mod 4	Change wording in "Scope of Work"	\$ --
Mod 5	FY 65 Overhead Rates	\$ ----
Mod 6	Costs overrun <i>Time extension to 15 Feb 67</i>	\$ 2,500.00
Mod 7	FY 66 overhead rates	\$ ----
Mod 8		\$
TOTAL:		\$224,525.00

Sent to FPCEN: 26 Jan 71
To be Destroyed Jul 75

Finance Completed: 14 Mar 67

CLOSED: 11 March 1969 closed

Refund: \$ - 0 -

278

General Atomic

L

CPFF a(11)

Contractor

Status

Contract Type
& Authority

(20 Mar 64 - 20 Jan 65)

SUBJECT: Research services for technical support of the Armed Forces
(MD) Radiobiology Research Institute.

\$ 343,959.00

Mr. Robert Carter, AFRRRI

CDR R.I. Code 3800 - AFRRRI (Carter, Robert)

Mod 1 Subcontracting for site sub-soil investigations. \$ 9,485.00
Time extension to 31 May 65.

Mod 2 Add Task V - Definition and description of military \$ 16,325.00
radiobiology problem areas.

Mod 3 Add: Task VI - PIA Procurement planning. \$ 117,738.00
Time extension to 30 Nov 65.

Mod 4 Add Phase II. (1 Sept 65 - 31 Aug 66) \$ 182,980.00
Time extension to 30 Nov 66.

Mod 5 Pulse radiolysis. Time extension to 31 Jan 67 \$ 56,540.00

Mod 6 Continuation of Task I - Accelerator Planning & Coordination \$ 74,255.00
AFRRRI subtask A4d-03.140
Time extension to ~~30 Aug 66~~ 30 Nov 67

Mod 7 Continuation (copy) of technical assistance to AFRRRI in monitoring \$ 31,757.00
Time extension 30 Jun 68

Mod 8 Time extension to 30 Sep 68. \$ ---

CONTINUED ON NEXT PAGE....

Performance Completed: 31 Mar 69

Contract CLOSED: 31 Mar 71

CLOSED

Refund: \$ (over)

Gulf General Atomic

Contractor () Status (pre-contract in) Contract Type & Authority

OBJECT:

\$

Mod 9 Novation Agreement

\$ --

¹⁰
Mod 10 Time extension to 31 Mar 69

\$ ---

¹¹
Mod 11 Reduction in scope of work.
Time reduction to 24 Feb 69.

- \$9,899.00 (Decrease)

¹²
Mod 12 Novation Agreement

\$ ---

Mod 5

\$

Mod 6

\$

Mod 7

\$

Mod 8

\$

Sent to ¹² Brought Forward

\$

Performance Completed: 31 Mar 69

Total \$ 823,140.00
PAID: 823,140.00

Contract CLOSED:

Refund: \$ - 0 -

31 Mar 71

CLOSED

279	Technical Operations, Inc.	L	CPFF a(11)
No.	Contractor	Status	Contract Type & Authority
	(1 Feb 64 - 31 Jan 65)		
SUBJECT: (RA)	Research study of instrumentation required to obtain data to completely describe fallout from a nuclear weapons event.		\$ 63,864.00

LCDR T.R. Peterson

Mod 1	Time extension to 31 Mar 65.	\$ ---
Mod 2	Time extension to 30 Jun 65.	\$ ---
Mod 3	Time extension to 30 Sep 65.	\$ ---
Mod 4		\$
Mod 5		\$
Mod 6		\$
Mod 7		\$
Mod 8		\$

Sent to FRCEN: 26 Jan 71
To be Destroyed Jul 75

Performance Completed: 25 Oct 65

Contract CLOSED: 20 Nov 68

Refund: \$ 1,061.23

280 No.	Stanford Research Institute Contractor (15 Nov 63 - 31 Dec 65)	NP Status	CPFF a(11) Contract Type & Authority
SUBJECT: Research to develop a gage to record pressure pulses in the region from 50 to 450 kilobars and to utilize such a gage in the PILE DRIVER experiment.			\$ 83,146.00
<i>M. J. Hadden</i> Cpt Thornton D. Schwenk, TC			
Mod 1	Additional work. Time extension to 31 Jul 66.		\$ 42,988.00
Mod 2	Add high pressure shock profile measurements in granite. Time extension to 31 Dec 66.		\$ 43,768.00
Mod 3	Substitute annotated hard copy of analog play-back for POIR.		\$ ---
Mod 4	Time extension 28 Feb 67		\$ ---
Mod 5	FY 66 overhead rates		\$ ---
Mod 6	Additional funds for additional work and adjustment for OH rates. Time Extension to 30 Jun 68. Prepare and present a research paper at the PILE DRIVER Symposium.		\$ 2,306.00
Mod 7	OH rates for '67		\$ ---
Mod 8			\$ ---

TOTAL AMOUNT: \$172,208.00

Sent to FRCEN: *Jan 72*
To be Destroyed *Jul 76*

Performance Completed: *24 Mar 67*

Contract CLOSED: *30 Jan 70*

CLOSED

Refund: \$ - 0 -

No.	Contractor	Status	CPFF a(11) Contract Type & Authority
281	General Electric Company (TEMPO) (10 Feb 64 - 31 Mar 65)	L	
SUBJECT: Research and services incident thereto to provide additional aids (RA) for the study of high altitude nuclear detonation effects.			\$ 204,322.00

~~Mr. Dow E. Evelyn, RAAE~~ Mr. Dow E. Evelyn, RAAE

Mod 1	Add: A Communications Handbook. Add; Task I, II, III, and IV Time extension to 31 May 66.		\$ 248,927.00
Mod 2	Time extension to 31 Jul 66.		\$ ---
Mod 3	Continuation of effort. Time extension to		\$ 200,959.00
Mod 4	Continuation of research in connection with study of high-altitude nuclear effects. Time extension to <i>17 Mar 68</i> <i>Mr. Evelyn</i>		\$ 205,569.00
Mod 5	Continuation and follow-on efforts on tasks. Time Extension to 30 Apr 69. (FY68 NWER, RHA5043)		\$ 149,366.00
Mod 6	Time extension to 16 Jul 69		\$ ---
Mod 7	Additional funds to cover OH adjustment NWER HE 043 20		\$ 1,515.99
Mod 8			

See
To us

Sep 74
July 89
16 July 69

TOTAL \$1,010,658.99
PAID 1,010,658.99

CLOSED

Performance Completed:
Contract CLOSED:

Refund: \$ -0-

282	General Electric Company (TEMPO)	L	CPFF a(11)
No.	Contractor	Status	Contract Type & Authority
	(5 Mar 64 - 31 Mar 65)		
SUBJECT:	Continuing research services to maintain a High Altitude Nuclear Effects Data Center (DASA Data Center)		\$ 397,877.00
(RA)			

~~Info for DASA Data Center~~ ~~Cont. Center~~ ~~RAEL~~ *ETC Brown PAEL*

Mod 1	Time extension to 15 May 66; additional work.	747,294.00
		\$ 166,316.00
Mod 2	Time extension to 15 Jul 66.	\$ ---
Mod 3	Continued operation of DASA IAC through 15 Feb 67	\$ 351,685.00
Mod 4	Electromagnetic Pulse Task for DASA IAC. Time extion to 30 Jun 67	\$ 41,500.00
Mod 5	Additional services related to operation and maintenance Of DASA IAC Time extension to 15 Aug 67	\$ 335,903.00
Mod 6	Time extension to 15 Feb 68.	\$ ---
Mod 7	Time extension to 31 Dec 68.	\$ ---
Mod 8		\$

*Some documents
To be destroyed*

*Sup 74
Jul 80*

CLOSED

21 Mar 74

Performance Completed:

6 Jun 69

Contract CLOSED:

TOTAL	\$1,874,259.00
PAID	<u>\$1,866,795.90</u>
REFUND	7,463.10

Refund: \$

283 No.	Communications Electronics, Inc. Contractor (31 Dec 63 - 15 Feb 64)	S Status	FP a(1B) Contract Type & Authority
SUBJECT: Electronic equipment. (901st Intel)			\$ 10,750.00
Mr. J.T. Fuqua, Jr.			
Mod 1			\$
Mod 2			\$
Mod 3			\$
Mod 4			\$
Mod 5			\$
Mod 6			\$
Mod 7			\$
Mod 8			\$
			\$ 10,750.00

Sent to FRCEN: 26 Sept 66
To be Destroyed July 70

Performance Completed: 5 Feb 64

Contract CLOSED: 28 Jul 65

Refund: \$ none

284 No.	Porter, O'Brien & Armstrong Contractor	S Status	FP a(11) Contract Type & Authority
	(6 Jan 64 - 30 Apr 64)		
SUBJECT: Technical and logistic analysis for site preparation and experimentation support, sites WHISKEY and ALPHA, Project 916. (FC)			\$ 8,250.00

Lt Col B. Grote

Mod 1	Add "initial engineering and geologic reconnaissance, Project 9.4 Operation LONG SHOT. Time extension to 31 Aug 64.	\$ 4,000.00
Mod 2	Additional work scope and time extension to 28 Feb 65.	\$ 18,150.00
Mod 3		\$
Mod 4		\$
Mod 5		\$
Mod 6		\$
Mod 7		\$
Mod 8		\$
		\$ 30,400.00

april 68
Jul 71

Performance Completed: ~~May 65~~ ~~21 Dec 65~~

Contract CLOSED: 15 Jan 65
20 Jul 65

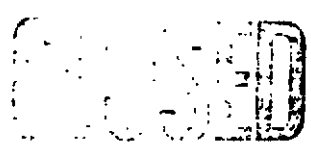
Refund: \$ none

285 No.	Stoddart Aircraft Radio Company, Inc. Contractor	S Status	FP Contract Type & Authority
SUBJECT: Electronic equipment. (901st Intel)			\$ 10,750.00
Mr. J.T. Fuqua, Jr.			
Mod 1			\$
Mod 2			\$
Mod 3			\$
Mod 4			\$
Mod 5			\$
Mod 6			\$
Mod 7			\$
Mod 8			\$

Sent to FROEN: 26 Sept 66
To be Destroyed July 70

Performance Completed: 5 Feb 67

Contract CLOSED: 20 May 67



Refund: \$

286 No.	Cook Electric Company Contractor (1 Feb 64 - 31 Dec 64) (pre-contract 17 Dec 63)	L Status	CPFF a(11) Contract Type & Authority
SUBJECT: (FC)	Research to conduct an engineering study to modify aircraft for special photographic work (BLUE ROCK, Project 9.11).		\$ 291,902.00

Lt Col E.E. Shelton

Mod 1	Change in wording in "Background" and "Technical Scope"	\$ ---
Mod 2	Additional work. Time extension to 17 Aug 65.	\$ 517,925.00
Mod 3	Minor work scope changes. Time extension to 30 Sept 65	\$ ---
Mod 4	Time extension to 30 Sept 65.	\$ ---
Mod 5	Preparation of Status Report for 9.3. Additional funds for increase in overhead rate.	\$ ⁸⁷⁵⁷ 8,757.00
Mod 6		\$
Mod 7		\$
Mod 8		\$
		\$818,584.00

Sent to FRCEN: 26 Jun 71
To be Destroyed Jul 75

Performance Completed: 13 Oct 66

Contract CLOSED. 29 Aug 68

Refund: \$ 1,279.00

287	Stanford Research Institute	NP	CPFF a(11)
No.	Contractor	Status	Contract Type & Authority
	(1 Apr 64 - 31 May 65)		
SUBJECT: Research in connection with riometer data analysis. (RA)			\$ 40,129.00

1-7-64
 5-15-65
 12-7-65
 17-Nov-66
 1D

Maj G.R. Underhill			
Mod 1	Time extension to 30 Sep 65.		\$ ---
Mod 2	FY 64 overhead rates		\$ ---
Mod 3	Excess Final OH rates for '65		\$ ---
Mod 4	FY 66 overhead rates		\$ ---
Mod 5			\$
Mod 6			\$
Mod 7			\$
Mod 8			\$
			\$ 40,129.00

Sent to ARDEN: 30 SEP 1969
 To be Destroyed Jul 74

Performance Completed: 21 Mar 66
 Contract CLOSED: 23 Apr 68

Refund: \$ none

288	United Research Services, Inc.	S	CPFF a(11)
No.	Contractor	Status	Contract Type & Authority
	(1 Feb 64 - 31 Jul 65)		
SUBJECT: Correlation of soil-structure interaction data. (BS)			\$ 96,796.00

Maj F.H. Henk

Mod 1	Time extension to 31 Oct 65.	\$ ---
Mod 2	Time extension to 31 Dec 65.	\$ ---
Mod 3		\$
Mod 4		\$
Mod 5		\$
Mod 6		\$
Mod 7		\$
Mod 8		\$

TOTAL: \$96,796.00

Sent to FRCEN: 26 Jan 71
To be Destroyed Jul 75

Performance Completed: 28 Dec 65

Contract CLOSED: 24 Feb 69

CLOSED

Refund: \$ - 0 -

289	Radio Corp. of America	L	CPFF a(11)
No.	Contractor (1 Feb 64 - 31 Jan 65)	Status	Contract Type & Authority
SUBJECT: (RA)	Services in connection with experimental improvements study of Project 6.13 plans for Operation BLUE ROCK.		\$ 99,188.00
<i>LCDR Edgerton</i> LCDR Rodgers, T.C.			
Mod 1	Experimental improvements study of Project 6.13 plans for Operation BLUE ROCK, and radar mod. and furnishing of component radar recording ban for Proj 6.13.2, Operation BLUE ROCK. Time extension to 31 May 65.		\$ 337,402.00
Mod 2	Time extension to 30 Nov 65.		\$ ---
Mod 3 WTOP	Incorporate modifications to MPS-25 radars. Time extension to 30 Apr 66.		\$ 10,457.00
LCDR Johnson			
Mod 4	FY 64 overhead rates.		\$ ---
Mod 5	Continuation of effort for additional year. Time extension to 14 Sep 67		\$ 29,442.00
Mod 6	FY 65 overhead rates		\$ ---
Mod 7	Continuation of effort for additional year. Time extension to 30 Jun 68		\$ 10,112.00
Mod 8	Maintain a readiness status of the subtask to participate in the MIGHTY SKY Program. Incorporation of OH rates for year '66 Time extension to 20 Jul 69.		\$ 40,342.00

To be continued on next page.

Performance Completed: *Apr 70*

Contract CLOSED

CLOSED

Refund: \$

RCA

Contractor

Status

Contract Type & Authority

SUBJECT:

\$

9

Mod 1
APR 69

MIGHTY SKY Maintenance of Test Readiness.
Incorporation of OH rates for year '67
Time extension to 20 Jul 70.

\$14,086.00

10

Mod 2

Mighty Sky (EUREKA LAPWING) Experiment Support

\$ 20,995.00

11

Mod 3

Novation Agreement

\$ ---

12

Mod 4
APR 70

Incorporation of OH rates for 1968.
Deobligation of funds caused by termination of
the MIGHTY SKY Program.

\$40,180.00 (decrease)

Mod 5

\$

Mod 6

\$

Mod 7

\$

Mod 8

\$

Sent to WREN: May 77

To be closed Jul 77.

Performance Completed: Apr 70

Contract CLOSED:

23 Apr 71

CLOSED

Brought Forward \$ 526,943.00

Total \$ 521,844.00

PAID: 521,786.13

Refund: \$ 57.87

290	Edgerton, Germeshausen & Grier, Inc. (Boston)	L	CPFF a(11)
No.	Contractor	Status	Contract Type & Authority
	(6 Apr 64 - 15 Sep 64) (pre-contract fm 1 Jan 64)		
SUBJECT:	Technical photographs - Operation SNOW BALL. 9.2.		\$ 62,241.00
(BS)			

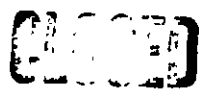
Mod 1-8 Hook Capt J. Choromkos

Mod 1	Add "field" and "post field" effort, extend to 31 Dec 64.	\$ 69,536.00
Mod 2	Add optical measurements of shbok wave covering 3 experiments. Extend to 30 Jun 65.	\$ 38,525.00
Mod 3	Time extension to 31 Dec 65.	\$ ---
Mod 4	Time extension to 31 Mar 66.	\$ ---
Mod 5		\$
Mod 6		\$
Mod 7		\$
Mod 8		\$

TOTAL: \$ 170,302.00
PAID: 170,302.00

Sent to FRCEN: *Jan 72*
To be Destroyed *Jul 76*

Performance Completed: *17 Mar 66*
Contract CLOSED: *29 Dec 69*



Refund: \$ - 0 -

291	Ford Instrument Company	L	CPFF a(11)
No.	Contractor	Status	Contract Type & Authority
	(25 Feb 64 - 14 Dec 64)		
SUBJECT: Research services for a fallout sampling collector survey. (RA)			\$ 21,882.00
LCDR R.E. Peterson			
Mod 1	Time extension to 30 Apr 65.		\$ ---
Mod 2	Time extension to 23 Jun 65.		\$ ---
Mod 3			\$
Mod 4			\$
Mod 5			\$
Mod 6			\$
Mod 7			\$
Mod 8			\$
			\$ 21,882.00

2-7-64
HS

1-29-64
PB

3-1-65
PB

Sent to FRCEN: 30 SEP 1969
To be Destroyed Jul 74

Performance Completed: 25 Jun 65

Contract CLOSED: 20 Feb 68

Refund: \$ 242.49

292 No.	Edgerton, Germeshausen & Grier, Inc. (Goleta) Contractor (15 Mar 64 - 31 Dec 64)	L Status	CPTF a(11) Contract Type & Authority
SUBJECT: Investigate and design gamma dose rate measuring instrumentation. (NDL)			\$ 58,595.00

Mr. R. Rexroad - (LCDR R.E. Peterson, RA - Project Monitor)

Mod 1	Additional research and time extension to 31 Jul 65.	\$ 19,110.00
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Mod 2	Time extension to 31 Aug 65 30 Sep 65.	\$ ---
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Mod 3	Time extension to 30 Nov 65.	\$ ---
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Mod 4	Fabrication, calibration and test of additional radiation detectors. Time extension to 31 Mar 66.	\$ 14,515.00
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Mod 5		\$
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Mod 6		\$
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Mod 7		\$
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Mod 8		\$
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Sent to FRCEN: *Jan 72*
To be Destroyed *April 76*

TOTAL: \$92,220.00
PAID: 92,220.00

Performance Completed: *2 Jun 66*

Contract CLOSED: *23 Jan 70*

CLOSED

Refund: \$ - 0 -

293	Aircraft Armaments, Inc.	L	CPFF a(11)
No.	Contractor	Status	Contract Type & Authority
	(15 Mar 64 - 30 Jun 65)		
SUBJECT: (BS)	Computation of self-consistent blast data for application to blast sled experiments.		\$ 28,859.00

Maj H. Wynne

Mod 1	Time extension to 31 Jul 65.	\$ ---
Mod 2		\$
Mod 3		\$
Mod 4		\$
Mod 5		\$
Mod 6		\$
Mod 7		\$
Mod 8		\$

TOTAL: \$28,859.00

Sent to FRCEN: 26 Jan 71
To be Destroyed Jul 75

Performance Completed: 1 Nov 65

Contract CLOSED: 16 May 69

CLOSED

Refund: \$ 3,518.68

294	American Science & Engineering, Inc.	S	CPFF a(11)
No.	Contractor (1 Mar 64 -31 Mar 65)	Status	Contract Type & Authority
SUBJECT: (RA)	Research services for data reduction and analysis, BLUE GILL and KING FISH Events, Operation FISH BOWL Project 8A.3.		\$ 267,473.00

Capt A.O. Paas

Mod 1	Funds for overhead adjustments.	\$ 1,709.01
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Mod 2		\$
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Mod 3		\$
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Mod 4		\$
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Mod 5		\$
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Mod 6		\$
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Mod 7		\$
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Mod 8		\$
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Sent to FPOEN: 2 APR 1969
To be Destroyed *Jul 73*

\$ 269,182.00

Performance Completed: *Apr 65*

Contract CLOSED: *28 Apr 67*

Refund: \$ none

295	The Boeing Company	L	CPEE a(11)
No.	Contractor	Status	Contract Type & Authority
	(1 Mar 64 - 28 Feb 65)		
SUBJECT: Ejecta and mass distribution studies under Project 1.5B, FLAT TOP. (FC)			\$ 42,408.00

Maj J. Cahoon

AS
 11 May 67

Mod 1	To cover unresolved costs (being disputed)	\$ --
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Mod 2		\$
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Mod 3		\$
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Mod 4		\$
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Mod 5		\$
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Mod 6		\$
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Mod 7		\$
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Mod 8		\$
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Sent to FRCEN: SEP 1975
 To be Destroyed Jul 1981

TOTAL \$ 42,272.79
 PAID \$ 41,855.28

Performance Completed: 26 Feb 65

REFUND \$ 417.51

Contract CLOSED: 1 **CLOSED**, 17 Feb 75

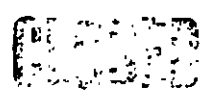
Refund: \$

296	Cinefonics	L	FP a(10)
No.	Contractor	Status	Contract Type & Authority
SUBJECT: Photographic requirements for Operation FISH BOWL (Project 4.01). (MD)			\$ 14,341.40
CDR R.M. Garver			
Mod 1	Ten extra 16mm color prints with reels and cans.		\$ 1,621.00
Mod 2			\$
Mod 3			\$
Mod 4			\$
Mod 5			\$
Mod 6			\$
Mod 7			\$
Mod 8			\$
			\$15,962.00

S. J. ...: Apr 68
 ...: Jul 91

Finance Completed: 15 Oct 64

is CLOSED: 26 May 1965



Refund: \$ none

297 No.	Massachusetts Institute of Technology Contractor (12 Mar 64 - 31 Nov 64)	E Status	Cost a(5) Contract Type & Authority
SUBJECT: (BS)	Measure the strong blast loads on an RV Forebody during re-entry conditions.		\$ 109,650.00

Mal H. Wynne

Mod 1	Time extension to 30 Aug 65.		\$ ---
Mod 2	Additional work. Time extension to 31 Dec 65.		\$ 51,032.00
Mod 3	Add double driver shock tunnel feasibility program and extend time to 31 May 66.		\$ 127,978.00
Mod 4	Time extension to 31 Oct 66.		\$ ---
Mod 5	Time extension to 31 Mar 67		\$ ---
Mod 6	Incorporation of OH rates for FY's 65, 66, and 67		\$ --
Mod 7			\$
Mod 8			\$

TOTAL:	\$288,660.00
Paid:	286,274.40

Sent to FRCEN: Jan 72
To be Destroyed Jul 76

Completed: Dec 66

USED:

26 Sep 69

CLOSED

Refund: \$ 385.60

298 No.	GM Defense Research Labs Contractor	L Status	CPFF a(11) Contract Type & Authority
	(15 Apr 64 - 15 Dec 64)		
SUBJECT: (BS)	Research related to a study of hypervelocity range simulator of atmospheric re-entry through a nuclear explosion.		\$ 46,489.00

Maj H. Wynne

Mod 1	Time extension to ^{31 Mar} 28 Feb 65.		\$ ---
Mod 2			\$
Mod 3			\$
Mod 4			\$
Mod 5			\$
Mod 6			\$
Mod 7			\$
Mod 8			\$

Sent to FROEN: 2 APR 1969
 To be Destroyed *Jan 73*

\$ 46,489.00

Performance Completed: *31 May 65*
Contract CLOSED: *4 Apr 67*

Refund: \$ none

299	Radio Corp. of America	L	FP a(11)
No.	Contractor	Status	Contract Type & Authority
	(13 Jan 64 - 20 Mar 64)		
SUBJECT: (FC)	Preliminary planning - Projects 6.13.1 and 6.13.2, Operation BLUE ROCK.		\$ 22,085.00

Lt Col D. Harris

Mod 1	Additional services and time extension to 31 Aug 64.	\$ 6,500.00
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Mod 2		\$
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Mod 3		\$
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Mod 4		\$
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Mod 5		\$
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Mod 6		\$
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Mod 7		\$
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Mod 8		\$
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\$ 28,585.00

Sent to FRCEN: 2 APR 1969
To be Destroyed Jul 72

Performance Completed: Aug 1964

Contract CLOSED: 13 April 1966

RECEIVED

Refund: \$ none

Stanford Research Institute

NP

CPFF a(11)

Contractor
(3 Jan 64 - 31 Dec 64)

Status

Contract Type
& Authority

ACT: Preliminary planning - Project 6.18, Operation BLUE ROCK.
Projects 6.9, 6.11, 6.17, 6.28

\$ 85,990.00

Harris Col Marcum

Mod 1 Revisions and modifications to the E&R Plan, budgets and PERT
Time extension to 31 Dec 65)

\$ 33,000.00

Mod 2 FY 64 overhead rates

\$ ---

Mod 3 FY 65 overhead rates

\$ -----

Mod 4

\$

Mod 5

\$

Mod 6

\$

Mod 7

\$

Mod 8

\$

\$118,990.00

Sent to FRCEN: 30 SEP 1969

To be Destroyed Jul 74

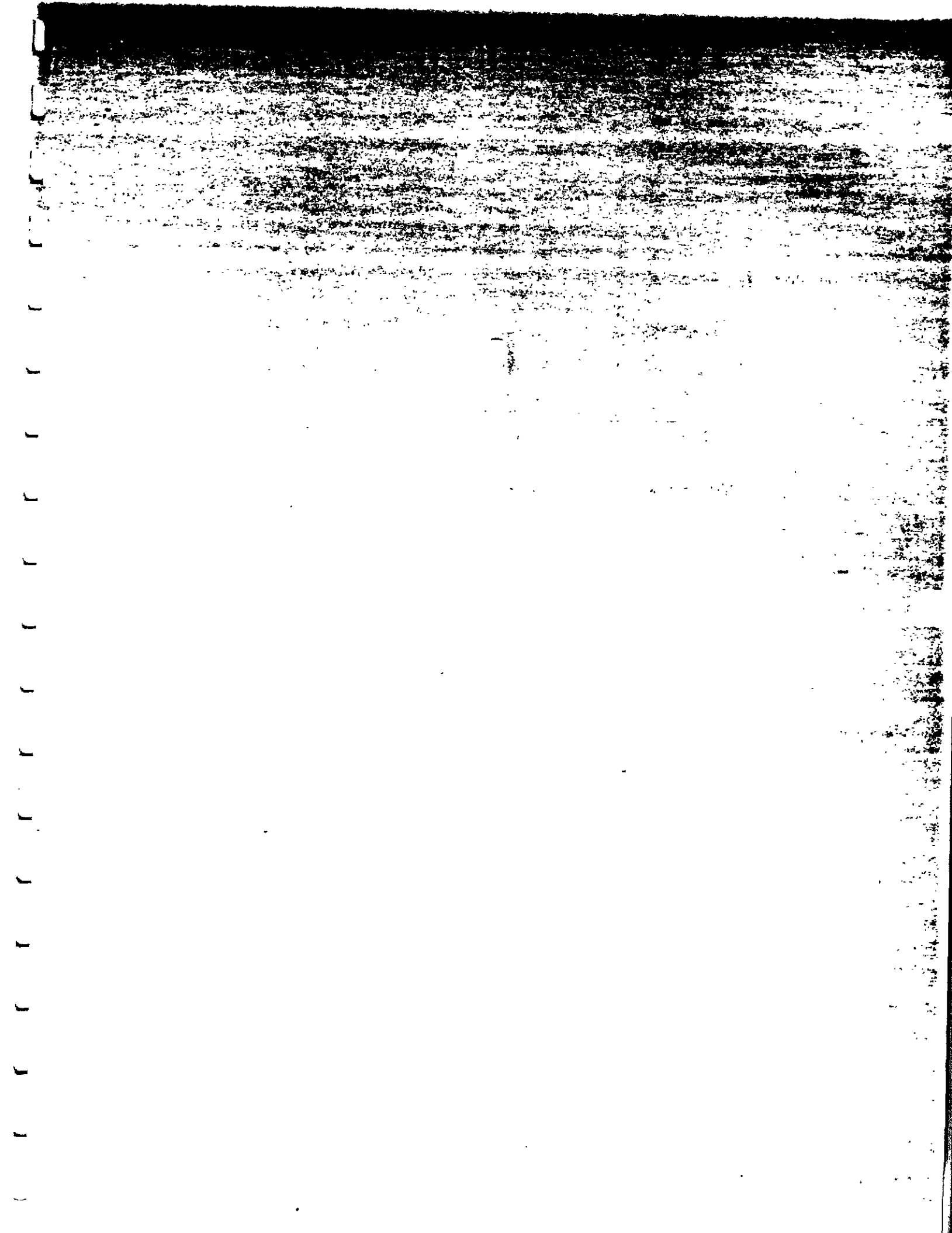
Performance Completed: 30 Jun 65

Contract CLOSED: 13 Dec 67

CLOSED

Refund: \$ 1,571.23

11 Nov 66 12-6-65
3-8-65
HS
RE
ID



301	IIT Research Institute	NP	CPFF a(11)
No.	Contractor	Status	Contract Type & Authority
	(1 Jan 64 - 31 Dec 64)		
SUBJECT: (FC)	Preliminary planning - Projects 6.14.2 and 6.15, Operation BLUE ROCK.		\$ 33,766.00

Lt Col D. Harris

Mod 1 \$

Mod 2 \$

Mod 3 \$

Mod 4 \$

Mod 5 \$

Mod 6 \$

Mod 7 \$

Mod 8 \$

\$ 33,766.00

Sent to FROEN: 2 APR 1969
To be Destroyed Jul 72

Performance Completed: 31 Dec 64

Contract CLOSED: 14 Jun 64

Refund: \$ none

302 No.	Edgerton, Germeshausen & Grier, Inc. (Boston) Contractor	L Status	CFFF a(11) Contract Type & Authority
	(13 Jan 64 - 31 Oct 64) (pre-contract from 1 Dec 63)		
SUBJECT: (RA)	Preliminary planning - Project 8.04, Operation BLUE ROCK.		\$ 67,352.00

Mr. J. Snyder

✓ Mod 1	Increase work scope and extend time to 31 Dec 64.	\$ 24,991.00
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Mod 2	Time extension to 31 Mar 65.	\$ ---
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Mod 3 APTE	Planning for KC-135 and C-118 aircraft. Time extension to 30 Jun 66.	\$ 35,083.00
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Maj C.F. Lemons, STWT

Mod 4	Time extension to Six Aug 66 30 Sept 66.	\$ ---
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Mod 5		\$
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Mod 6		\$
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Mod 7		\$
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Mod 8		\$
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TOTAL:	\$127,426.00
PAID:	<u>127,426.00</u>

Sent to FRCEN: Jan 72
To be Destroyed Jul 76

Performance Completed: 26 Sep 66

Contract CLOSED: 14 Jan 70

CLOSED

Refund: \$ - 0 0

303	Electro-Optical Systems, Inc.	S	CPFF a(11)
No.	Contractor	Status	Contract Type & Authority
	(10 Jan 64 - 31 Aug 64)		
SUBJECT:	Preliminary planning - Project 6.2, Operation BLUE ROCK.		\$ 12,949.00
(FC)			

Lt. Col D. Harris

✓ Mod 1	Revision and updating of material furnished Time extension to 30 Sept 64.	\$ 5,040.00
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Mod 2	Overhead adjustments on contract.	\$ 847.85
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Mod 3		\$
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Mod 4		\$
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Mod 5		\$
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Mod 6		\$
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Mod 7		\$
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Mod 8		\$
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\$18,836.85

Sent to PROEN: 2 APR 1969
 To be Destroyed Jul 73

Performance Completed: 11 March 64.

Contract CLOSED: 15 Feb 67

Refund: \$ none

304	Geophysics Corp. of America	L	CPFF a(11)
No.	Contractor	Status	Contract Type & Authority
	(1 Jan 64 - 30 Jun 64)		
SUBJECT: Preliminary planning - Project 6.6, Operation BLUE ROCK. (FC)			\$ 9,975.00

Lt Col D. Harris

Mod 1	Change from "audited" to "negotiated" rates Final OH rates for 64.	\$ 0----
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Mod 2	OH adjustment costs.	\$ 963.40
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Mod 3		\$
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Mod 4		\$
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Mod 5		\$
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Mod 6		\$
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Mod 7		\$
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Mod 8		\$
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TOTAL:	\$10,938.40
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Sent to FRCEN: 26 Jan 71
To be Destroyed Jul 75

Performance Completed: 17 Mar 64

Contract CLOSED: 13 Sep 68

Refund: \$ - 0 -

305	NRA, Inc.	S	CPFF a(11)
No.	Contractor (1 Jan 64 - 30 Jun 64)	Status	Contract Type & Authority
SUBJECT: Preliminary planning - Project 6.14.1, Operation BLUE ROCK. (FC)			\$ 4,396.00
Lt Col D. Harris			
Mod 1	Change paying office from F&A to Fld Com		\$ ---
Mod 2			\$
Mod 3			\$
Mod 4			\$
Mod 5			\$
Mod 6			\$
Mod 7			\$
Mod 8			\$
			\$ 4,396.00

Sent to FRCEN: 2 APR 1969
 To be Destroyed Jul 72

Performance Completed: ✓ 30 Jun 64
 Contract CLOSED: 29 Oct 65

Refund: \$ none

306	The Trustees of Columbia University	E	Cost a(5)
No.	Contractor	Status	Contract Type & Authority
	(1 Jan 64 - 30 Sept 64)		
SUBJECT: Preliminary planning - Project 6.18, Operation BLUE ROCK, (FC)			\$ 5,000.00

~~Lt Col D. Harris~~ *Col Marcus*

Mod 1 (RAEL)	Revised plans and time extension to 15 Sept 65.	\$ 9,934.00
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Maj G.R. Underhill

Mod 2	Time extension to 15 Dec 65	\$ ---
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Mod 3	Revise cost principles.	\$ ---
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Mod 4	Time extension to 15 Jun 66.	\$ ---
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Mod 5	Time extension to 15 Sept 66.	\$ ---
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Mod 6	OH rates for FY 63 and FY 64 - 65	\$ -----
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Mod 7	Incorporation rates for FY 66.	\$ ---
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Mod 8		\$
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TOTAL:	\$14,934.00
PAID:	<u>8,933.22</u>

Sent to FRGEN: *Jan 72*
To be Destroyed *Jul 76*

Performance Completed: *16 Feb 67*
Contract CLOSED: *23 Apr 70*

CLOSED

Refund: \$ 6,000.78

307	Cubic Corp.	S	FP a(11)
No.	Contractor	Status	Contract Type & Authority
	(15 Jan 64 - 31 Aug 64)		
SUBJECT: Preliminary planning - Project 9.6, Operation BLUE ROCK. (TP&P)			\$ 5,000.00
CDR H.L. Edwards			
Mod 1			\$
Mod 2			\$
Mod 3			\$
Mod 4			\$
Mod 5			\$
Mod 6			\$
Mod 7			\$
Mod 8			\$
			\$ 5,000.00

Sent to FREEN: 12 APR 1969
 To be Destroyed Feb 72

Performance Completed: 22 Apr 64

Contract CLOSED: 4 Aug 66

Refund: \$ none

308	General Electric Company (TEMPO) Contractor	L Status	CPFF a(11) Contract Type & Authority
	(13 Jan 64 - 31 Aug 64)		
	SUBJECT: Preliminary planning - Project 9.9, Operation BLUE ROCK. (RA)		\$ 18,343.00

Maj. C.W. Hulburt

Mod 1	Time extension to 15 Feb 65.		\$ ---
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Mod 2	OH rates for '64 and '65		\$ --
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Mod 3	Additional funding to cover overrun.		\$ 875.00
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Mod 4			\$
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Mod 5			\$
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Mod 6			\$
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Mod 7			\$
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Mod 8			\$
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Sent to ERGEN: May 72
To be Destroyed Jul 77

TOTAL: \$19,218.00
PAID: 19,218.00

Performance Completed: 15 Feb 65

Contract CLOSED: 2 Sep 70 **CLOSED**

Refund: \$ - 0 -

309	Cubic Corp.	S	CPFF a(11)
No	Contractor	Status	Contract Type & Authority
	(30 Mar 64 - 30 Sept64) (pre-contract fm)		
SUBJECT:	Research to produce two prototypes of Ship/Aircraft Locator equipment		\$ 44,930.00
	LTC Oder, JTF 8		
Mod 1	Time extension to 30 Mar 65		\$ ----
Mod 2	Additional work and time extension to 31 Mar 66.		\$ 39,975.00
Mod 3	Overrun plus small addition to work scope. Time extension to 30 Jun 66.		\$ 30,315.00
Mod 4	Change paying office.		\$ ----
Mod 5	To determine the optimum method of discrimination and/or elimination of the sky-wave interference in the SALE System. Time extension to 28 Feb 67.		\$ ----
Mod 6	Time extension to 30 Oct 67		\$ ----
Mod 7			\$
Mod 8			\$
		Brought Forward	\$
		Total	\$ 115,220.00

4 Sep 64

Sent to FRCEN: Jan 72
To be Destroyed Jul 76

Performance Completed: 16 Oct 67

REFUND: \$1,334.96

310	Moleculon Research Corp.	S	CPFF a(11)
No.	Contractor (15 Apr 64 - 15 Jan 66)	Status	Contract Type & Authority
SUBJECT: (RA)	Development of an improved X-ray flux and spectrum measuring scheme for use in underground and high altitude X-ray tests. (GUM DROP)		\$ 59,455.00

Capt A.O. Paas

Mod 1	Time extension to 31 Jul 66	\$ --
Mod 2		\$
Mod 3		\$
Mod 4		\$
Mod 5		\$
Mod 6		\$
Mod 7		\$
Mod 8		\$

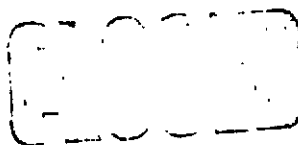
Sent to FRCEN: Jan 72
To be Destroyed Jul 76

TOTAL: \$59,455.00

Paid: 58,549.35

Performance Completed: 25 Nov 66

Contract CLOSED: 21 Oct 69



Refund: \$905.65

A	IIT Research Institute	NP	CPFF a(11)
.O.	Contractor (18 May 64 - 18 Jul 66)	Status	Contract Type & Authority
SUBJECT: (FC)	Development of computer capability to predict behavior of nuclear weapons systems to fire.		\$ 407,792.00

Capt Halliday

Mod 1 Time extension to 1 Dec 66. \$ ---

Mod 2 \$

Mod 3 \$

Mod 4 \$

Mod 5 \$

Mod 6 \$

Mod 7 \$

Mod 8 \$

TOTAL: \$407,792.00

Sent to FRCEN: 26 Jun 71
To be Destroyed Jul 75

Performance Completed: 3 Jan 67

Contract CLOSED: 24 Feb 69

CLOSED

Refund: \$ 1,107.60

312	Stanford Research Institute	NP	Facilities
No.	Contractor	Status	Contract Type & Authority
	(31 Oct 64 - 31 Oct 69) Oct		
SUBJECT: Facilities contract for all DASA property.			\$
Mod 1			\$
Mod 2			\$
Mod 3			\$
Mod 4			\$
Mod 5			\$
Mod 6			\$
Mod 7			\$
Mod 8			\$

See also 312-1000

Sent to FRCEN: 26 Jan 71
 To be Destroyed Jul 75

Performance Completed: 14 Feb 69
 Contract CLOSED: ~~Sept 64~~

CLOSED

Refund: \$

313	Stanford Research Institute	NP	CPIFF a(11)
No.	Contractor	Status	Contract Type & Authority

(1 Jun 64 - 31 Mar 65)

SUBJECT: Determination of short-time VLF propagation effects during high altitude nuclear explosions. \$ 29,223.00

(RA)

Ma J G. R. Underhill

Mod 1	Time extension to 30 Apr 65.	\$ ---
Mod 2	Funds to cover (a) overrun (\$771) and (b) printing of special report.	\$ 1,275.00
Mod 3	XXXXXXXXXXXXXXXXXXXX FY 64 overhead rates	\$ ---
Mod 4	FY 65 overhead rates.	\$ ---
Mod 5		\$
Mod 6		\$
Mod 7		\$
Mod 8		\$
		\$ 30,498.00

Sent to FREEM: 30 SEP 1969
 To be Destroyed Jul 74

Performance Completed: ~~4 Jan 65~~ 15 Nov 65

Contract CLOSED: 6 Jul 67

Refund: \$ none

314	North American Aviation	Status	CPFF a(11)
No.	Contractor (15 Jun 64 - 15 Jul 65)	Status	Contract Type & Authority
SUBJECT: (BS)	Investigate transient pressure distribution on hypersonic bodies.		\$120,756.00
Maj. H. Wynne			
Mod 1	Additional ^{work} /scope		\$ 12,209.00
Mod 2	Overrun and time extension to 15 Nov 65.		\$ 22,746.00
Mod 3	Time extension to 15 May 66.		\$ ---
Mod 4	Time extension Final OH rates for FY 64.		\$ ---
Mod 5	OH rates for '65.		\$ --
Mod 6			\$ ---
Mod 7			\$
Mod 8			\$

Sent to FRCEN: May 72
To be Destroyed Jul 77

TOTAL: \$155,711.00
PAID: 155,711.00

Performance Completed: 28 Apr 66

Contract CLOSED:

10 Jun 71 **CLOSED**

Refund: \$ - 0 -

315	University of Cincinnati College of Medicine	E	Cont a(5)
No.	Contractor	Status	Contract Type & Authority
	(1 Jun 64 - 30 Jun 65)		
SUBJECT: (MD)	Study on the metabolic effects of total body and partial body irradiation.		\$40,000.00
XXXXXXXXXX CDR George P. Douglas, STMD			
Mod 1	Metabolic changes in humans following total body irradiation. Time extension to 31 Jul 66.		\$45,000.00
Mod 2	Continuation of research through 31 ^{Oct.} Nov. 67.		\$54,640.00
Mod 3	Adjustment for OH rates (add'l funds)		\$ 6,300.00
Mod 4	Securing information on the effects of ionizing radiation on man. Time extension to 14 Jun 68		\$55,056.00
Mod 5	Continuation of research effort. (FY68 NWER, RMD 3.009) Time extension to 14 Jun 69.		\$ 71,326.00
Mod 6	Time extension to 1 Sep 69 OH rates for '68 and '69		\$ --
Mod 7			\$
Mod 8			\$

TOTAL: \$272,322.00
PAID: 272,321.79

18 Mar 70 Sent to FRGEN: *Apr 72*
To be Destroyed *Jul 78*

Performance Completed:

Contract CLOSED:

9 Oct 70

CLOSED

Refund: \$0.21

316	IIT Research Institute	NP	Facilities
No.	Contractor	Status	Contract Type & Authority
	(1 Feb 65 - 1 Feb 70)		
SUBJECT: Facilities contract for all DASA property.			\$ --
Mod 1	Update clauses and Schedule B Effective date 1 May 69.		\$ --
Mod 2			\$
Mod 3			\$
Mod 4			\$
Mod 5			\$
Mod 6			\$
Mod 7			\$
Mod 8			\$

Sent to FRCEN: *sep 72*
 To be Destroyed *Jul 78*

Performance Completed:

Contract CLOSED: 27 Feb 70

CLOSED

Refund: \$ -0-

317	IIT Research Institute	NP	CPFF a(11)
No.	Contractor	Status	Contract Type & Authority
	(15 Jun 64 - 31 Aug 65)		
SUBJECT: (BS)	Investigate the possibility of decoupling nuclear explosions by surrounding them with energy-absorbent materials (VELA UNIFORM)		\$ 173,923.00
<i>Maj B M Carswell LCDE Crowley</i>			
Mod 1	Time extension to 31 May 66.		\$ ---
Mod 2	Time extension to 15 Oct 66		\$ ----
Mod 3	Time extension to 22 Mar 67		\$ ---
Mod 4			\$
Mod 5			\$
Mod 6			\$
Mod 7			\$
Mod 8			\$
TOTAL:			\$173,923.00

Sent to FRCEN: 26 Jun 71
 To be Destroyed Jul 75

Performance Completed: 27 Mar 67

Contract CLOSED: 17 Jun 69

CLOSED

Refund: \$ - 0 -

318	E.H. Plesset Associates, Inc.	S	CPFF a(11)
No.	Contractor	Status	Contract Type & Authority
	(27 Apr 64 - 31 Oct 64) (pre-contract fm 13 Jan 64)		\$ 13,500.00
SUBJECT: Eyeburn problem calculations. (MD)			

LCDR R.M. Garver

Mod 1

\$

Mod 2

\$

Mod 3

\$

Mod 4

\$

Mod 5

\$

Mod 6

\$

Mod 7

\$

Mod 8

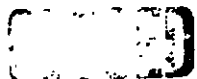
\$

Sent to FRCEN: 2 APR 1969
To be Destroyed *Jul 62*

\$ 13,500.00

Performance Completed: 10 Jul 64

Contract CLOSED: 12 Nov 65



Refund: \$ 706.92

319 No.	University of Illinois Contractor (1 Jun 64 1 Jun 64 - 28 Feb 66)	E Status	Cost a(5) Contract Type & Authority
SUBJECT: (RA)	Development of engineering methods for predicting neutron radiation penetration from nuclear weapons.		\$ 29,206.00

Maj. F.A. Verser

Mod 1			\$ --
Mod 2	Time extension to 31 Oct 66		\$ ---
Mod 3	Revise cost principles.		\$ ---
Mod 4	Overhead rates for FY 64 and 65.		\$ ----
Mod 5	Time extension to 31 Aug 67.		\$ ---
Mod 6	Add "Principal investigator will be available to DASA for consultation on radiation shielding program when mutually agreeable"		\$ ---
Mod 7	FY 66 overhead rates		\$ --
Mod. 8	Time extension to 30 Nov 67.		\$ --
Mod. 9	Additional research effort within the scope of work. Time extension to 30 Jun 68.		\$ 1,100.00
Mod. 10	Time extension to 31 Jan 69		\$ --
Mod. 11	Time extension to 30 Apr 69. Incorporation of OH rates for '67, '68 and '69.		\$ --

Sent to PROSEN: Sep 72
To be Destroyed Jul 76

TOTAL: \$30,306.00
PAID: 30,306.00

Performance Completed: *May 69*

Contract CLOSED:

2 Jun 72

CLOSED

Refund: \$ - 0 -

320	American Nucleonics Corp.	S	CPFF a(11)
No.	Contractor	Status	Contract Type & Authority
	(11 May 64 - 15 Jan 65)		
SUBJECT: Theoretical and laboratory studies to demonstrate the feasibility of using a plasma antenna in a nuclear environment as a radiation resistant E-field sensing device.			\$ 55,963.00
Dr. G.A. Blank <i>Capt J.R. Smith</i>			
Mod 1	Additional work and time extension to 15 Sep 65.		\$ 98,457.00
Mod 2	Revision to technical scope and time extension to 30 Nov 65.		\$ ---
Mod 3	Time extension to 1 Mar 66.		\$ ---
Mod 4	Additional funds to cover overhead adjustment.		\$ 5,066.00
Mod 5			\$
Mod 6			\$
Mod 7			\$
Mod 8			\$
			\$159,486.00

Sent to FRCEN: 2 APR 1969
 To be Destroyed *Jul 73*

Performance Completed: *1 Apr 66*

Contract CLOSED: *21 Apr 67*

Refund: \$ *624.10*

321	Space General Corp.	L	CPFF a(11)
	Contractor	Status	Contract Type & Authority
	(1 Jun 64 - 31 May 65)		
SUBJECT:	Laboratory modeling experiments to investigate the electromagnetic pulse effects of nuclear detonations.		\$ 84,847.00
(RA)			
Dr. C.A. Blank Supervisor Capt C. S. Allen, RAEV			
4-26-65 RB	Mod 1	Additional work and time extension to 31 Jan 66.	\$ 54,788.00
13-12-67 RB	Mod 2	Theoretical analysis and continued experimental modeling of currents induced in submerged wires by transient EM fields. Time extension to 16 Sept 66.	\$ 90,760.00
10-14-66	Mod 3	Add'l work time extension to 31 Aug 67.	\$ 29,853.00
10-14-66	Mod 4	Additional work - Time extension 30 Jun 68. Measurements of Currents Induced in Terminated Buried Cables by Pulses.	\$ 35,581.00
	Mod 5	Navation Agreement	\$ ---
	Mod 6		\$
	Mod 7		\$
	Mod 8		\$

Sent to FROEN: May 72
 To be Destroyed Jul 77
 17 Feb 69

TOTAL:	\$295,829.00
PAID:	295,597.24

Performance Completed:

Contract CLOSED:

7 Apr 71

CLOSED

Refund: \$ 231.76

322	GM Defense Research Laboratories	L	CPFF a(11)
No.	Contractor	Status	Contract Type & Authority
	(1 Aug 64 - 31 Oct 65)		
SUBJECT: Measurement of materials response under impulsive loads. (BS)			\$ 146,289.00

Maj. H. Wynne

Mod 1	Additional work and time extension to 31 Aug 66.	\$ 140,732.00
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Mod 2	Correction of administrative error	\$ --
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Mod 3	Conduct tension and compression tests on foam material in three density states. Time extension to 30 Dec 66 , 31 Jan 67.	\$ 22,833.00
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Mod 4	To investigate the Effects of Material Strength on Wave Propagation in Selected Materials. Time extension to 31 Jan 68.	\$ 290,079.00
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Mod 5	Change report's requirements.	\$ ---
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Mod 6	Time extension to 30 Jun 68	\$ ---
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Mod 7	Time extension to 30 Jun 69.	\$ ---
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Mod 8	Time extension to 15 Dec 69.	\$ --
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Mod 9	Time extension to 2 Dec 71.	\$ --
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TOTAL:	\$599,933.00
PAID:	599,407.56
REFUND:	525.44

Sent to FRCEN: Aug 74
To be Destroyed Jul 79

Performance Completed: 2 Dec 71

Contract CLOSED:

20 Feb 73

CLOSED

5-11-65
RB
12-1-65
RB

323 No.	Space-General Corp. Contractor (1 Jun 64 - 28 Feb 65)	L Status	CPFF a(11) Contract Type & Authority
	ICT: Research services in connection with a microwave radiometric measurements program (BLUE ROCK 6.8)		\$ 191,078.00
Maj. C.W. Hulburt			
Mod 1	Integration of radiometers with antenna pedestal and data recording equipment. Time extension to 15 Sept 65)		\$ 251,476.00
Mod 2	Additional work Time extension to 15 Sept 66.		\$ 176,890.00
Mod 3	Time extension to		\$ ---
Mod 4	Time extension to 15 Jun 67		\$ ---
5	Time extension to 15 Sep 67 ^{31 Aug 68}		\$ ---
Mod 6	Novation Agreement		\$ ---
Mod 7			\$
Mod 8			\$

Sent to FROEN: May 72
To be Destroyed Jul 77

TOTAL: \$619,444.00
PAID: 616,528.74
REFUND: 2,915.26
+ refund for proper- 835.00

Performance Completed: 10 Mar 69

Contract CLOSED: 3 Mar 71

CLOSED Refund: [REDACTED]

326	Stanford Research Institute	NP	CPFF a(11)
No.	Contractor	Status	Contract Type & Authority
	(1 Jan 65 - 31 Dec 65)		
SUBJECT: Evaluation of concealment depth of burial for underground nuclear explosions.			\$ 37,675.00
(BS)			
(ARPA)			

~~JTG R N Brady~~ Lt Col Barker, ^{BS} ~~BS~~

Mod 1	Time extension to 28 Feb 66.	\$	----
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Mod 2	Time extension to 30 Jun 66. FY 64 overhead rates.	\$	--
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Mod 3	Time extension to 31 Aug 66.	\$	---
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Mod 4	Time extension 28 Feb 67 Overhead rates for FY	\$	
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Mod 5	Increase costs for travel and report preparation. Time extension 30 Apr 67	\$	2,735.00
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Mod 6	FY 66 overhead rates	\$	----
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Mod 7	OH rates for '67	\$	---
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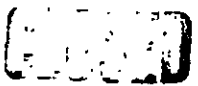
Mod 8	Additional funds to cover overrun.	\$	883.01
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TOTAL:	\$41,293.01
Paid:	<u>41,254.53</u>

Sent to FRCEN: Jan 72
To be Destroyed Jul 76

Performance Completed: 16 May 67

Contract CLOSED: 6 Jan 70



Refund: \$ 38.48

325	General Electric Company (Space Sciences Lab) L		CFF a(11)
No.	Contractor	Status	Contract Type & Authority
	(1 Aug 64 - 30 Jun 65)		
SUBJECT: Study of accuracy of rate constants for deionization calculations.			\$ 34,986.00
(RA)			

Dr. C.A. Blank

Mod 1	Time extension to 31 Jul 65.	\$ ---
Mod 2	Time extension to 30 Sep 65.	\$ ---
Mod 3		\$
Mod 4		\$
Mod 5		\$
Mod 6		\$
Mod 7		\$
Mod 8		\$

Sent to FRCEN: May 72
 To be Destroyed Jul 77

TOTAL: \$34,986.00
 PAID: 34,422.33

Performance Completed: 29 Sep 65

Contract CLOSED: 20 Apr 71 **CLOSED**

Refund: \$ 563.67

324	Stanford Research Institute	NP	CPFF a(11)
No.	Contractor	Status	Contract Type & Authority
	(1 Jul 64 - 28 Feb 65)		
SUBJECT: (RA)	Study of application of LASERS to atmospheric nuclear weapons effects.		\$ 28,795.00

Dr. C.A. Blank

31 Jul

3-23-65
 11-26-66
 10-2-65
 11-11-66
 11-11-66

Mod 1	Overrun and time extension to 28 Apr 65.	\$ 6,262.00
Mod 2	Overhead Rates for FY 64.	\$ ----
Mod 3	FY 65 overhead rates.	\$ ---
Mod 4		\$
Mod 5		\$
Mod 6		\$
Mod 7		\$
Mod 8		\$

\$ 35,057.00

Sent to FROEN: 30 OCT 1969
 To be Destroyed Jul 74

Performance Completed:

29 Jul 65

Contract CLOSED:

20 Oct 67

CLOSED

Refund: \$ none

327	NRA, Inc.	S	Contract Type & Authority
No.	Contractor	Status	
SUBJECT: Use of underground nuclear explosions to simulate EM from (RA) atmospheric explosions.			\$
Dr. C.A. Blank			
Mod 1			\$
Mod 2			\$
Mod 3			\$
Mod 4			\$
Mod 5			\$
Mod 6			\$
Mod 7			\$
Mod 8			\$

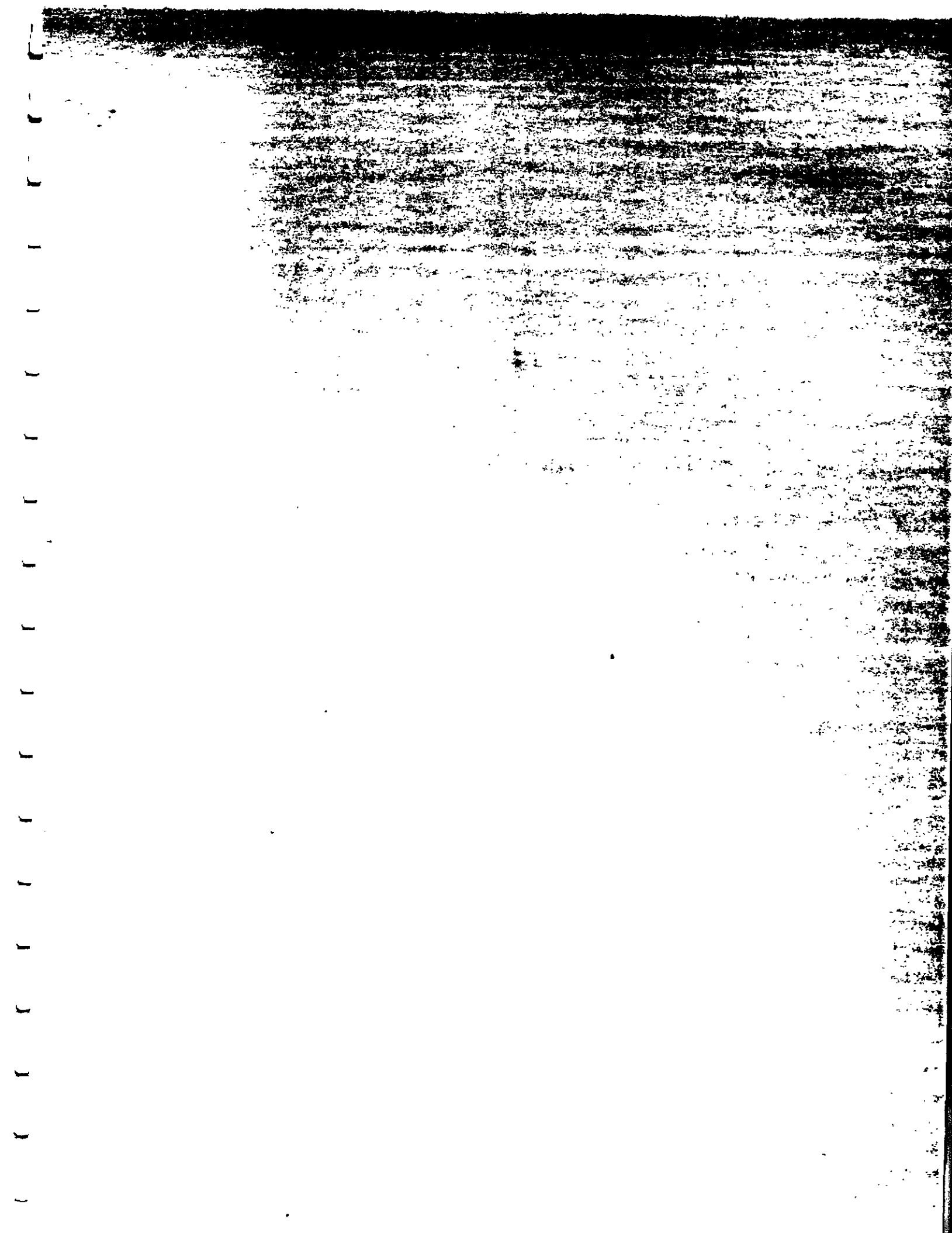
Cancelled
11330

Performance Completed:

Contract CLOSED:

Destroyed 23 Sep 69

Refund: \$



328 No.	Kaman Nuclear Contractor	L Status	CPFF a(11) Contract Type & Authority
	(15 Jul 64 - 15 Sep 65) (pre-contract fm 10 Jul 64)		
SUBJECT: Development of free-field blast instrumentation. (BS)			\$ 168,900.00

Maj H. Wynne

Mod 1 Time extension to 15 Dec 65. \$ ---

Mod 2 Tim Change of name. \$ ---

Mod 3 \$

Mod 4 \$

Mod 5 \$

Mod 6 \$

Mod 7 \$

Mod 8 \$

Sent to FRCEN: *May 72*
To be Destroyed *Jul 77*

TOTAL: \$168,900.00
PAID: 168,900.00

Performance Completed: *15 Jan 66*

Contract CLOSED:

13 Jan 71

CLOSED

Refund: \$ - 0 -

329 Edgerton, Gerneshausen & Grier, Inc. (Boston) L
 No. Contractor Status Contract Type & Authority
 (15 Jul 64 -15 Oct 65) \$ 282,945.00
 SUBJECT: EM instrumentation canister.
 (RA)

Dr. C.A. Blank ~~Capt~~ Allen Capt ~~RAEV~~ RAEV

Mod 1 Extension of canister bandwidth. Time extension to 31 Oct 66. \$ 251,293.00

Mod 2 Continuation of development of the EMP instrumented rocket canister. \$ 12,441.00
 Time extension 31 Jul 67.

Mod 3 Continuation of development and construction of a Wideband EM \$ 410,196.00
 Time extension to 31 Dec 68.

Mod 4 Develop and Construct a Sensor System for the DASA Wideband EMP \$ 82,165.00
 Instrumented Canister. (FY68 NWET 11BEMX520)
 Time extension to 31 Mar 69.

Mod 5 Additional Scope. (Fy69 NWET, K11 BAXEX 520) \$ 247,457.00
 Time extension to 31 Dec 69.

Mod 6 Continuation of Wideband EMP Instrumented Canister Program. \$ 471,750.00
 (FY 70 NWET ATR K43AAXEX614 01)
 Time extension to 15 Mar 71.

Mod 7 Continuation of work. \$ 59,748.00
 NWET K43AAXE X474 02 (1971)
 Time extension to 16 Aug 71

Mod 8 Time extension to 29 Oct 71, \$ --

Sent to FRGEN: *Dep 74*
 To be Destroyed *Jul 80*

TOTAL \$1,817,995.00
 PAID \$1,817,318.66

CLOSED

Performance Completed: 24 Oct 71

REFUND \$ 676.34

Contract CLOSED:

Fund:

22 June 64
6-14-65
H 5
23 Dec 66

330	NRA, Inc.	S	CPFF a(11)
No.	Contractor	Status	Contract Type & Authority
	(1 Jul 64 - 31 Mar 65)		
SUBJECT: (RA)	Study on the use of underground nuclear explosions to simulate EMP from atmospheric nuclear detonations.		\$ 69,485.00
Dr. C.A. Blank <i>Capt D.R. Smith</i>			
Mod 1	Funds for overhead adjustments.		\$ 11,378.00
Mod 2			\$
Mod 3			\$
Mod 4			\$
Mod 5			\$
Mod 6			\$
Mod 7			\$
Mod 8			\$
			\$ 80,863.00

Sent to FRCEN: 2 APR 1969
 To be Destroyed *Jul 73*

Performance Completed: *12 Oct 65*

Contract CLOSED: *28 Sep 66*

Refund: \$ none

No.	Contractor	Status	CPFF a(11) Contract Type & Authority
331	Geophysics Corp. of America (1 Jul 64 -30 Jun 65)	L	
SUBJECT: S-Band Telemetry and Tracking System. (FC)			\$ 486,500.00

Capt W. Byrd

2-12-65 RB	Mod 1	Additional work. Time extension to 31 Aug 65.	\$ 127,500.00
	Mod 2	Continuation of in research Time extension to 30 Apr 66.	\$ 19,307.00
	Mod 3	Change from "audited" to "negotiated" rates. Final OH rates for 1964.	\$ ----
	Mod 4	Incorporation of OH rates for '65	\$ ---
	Mod 5		\$
	Mod 6		\$
	Mod 7		\$
	Mod 8		\$

Sent to FROEN: Sep 72
To be Destroyed Jul 75

TOTAL: \$633,307.00
PAID: 624,275.68

Performance Completed: 20 Apr 66

Contract CLOSED:

16 Mar 72

CLOSED

Refund: \$ 9,031.32

332	Electro-Optical Systems, Inc.	S	CPFF a(11)
No.	Contractor (1 Aug 64 - 31 Jul 65)	Status	Contract Type & Authority 313,900.00 \$ 554,838.00
SUBJECT: Design and test a debris measurement payload, BLUE ROCK 6.2, (RA) integr. 6.2, 6.3 & 6.4.			
Lt Cagle,			
Mod 1	Debris measurement payload Add final incremental funding		\$ 241,838.00
Mod 2	Add project 6.6 Time extension to 30 Sept 65.		\$ 157,510.00
Mod 3	add PHASE III Time extension to 31 Jan 66		\$ 151,112.00
Mod 4	OH adjustments Project 6.2 Certification Payload Modification. Time extension to 31 Aug 67.		\$ 97,002.00
Mod 5	Time extension to 31 Dec 67 31 Dec 67.		\$ ---
Mod 6	Additional funds for overrun. (FY69 NWET/ATR K43ZZXHX602)		\$ 5,267.00
Mod 7			\$
Mod 8			\$

Sent to FRCEN: *May 72*
To be Destroyed *Jul 77*

TOTAL: \$965,729.70
PAID: 965,729.70

Performance Completed: *31 Dec 67*

Contract CLOSED:

13 Nov 70 **CLOSED**

Refund: \$ - 0 -

*3.0-65
115*

*4.5
2*

333	Radio Corp. of America	L	CPFF a(11)
No.	Contractor	Status	Contract Type & Authority
	(11 Sept 64 - 31 Aug 65)		
SUBJECT: Complete analysis of FISH BOWL 6.13 data. (RA)			\$ 275,962.00

Mr. Evelyn, RA

~~66A/G/R/06A6/6A/11~~

Mod 1	Further analysis and time extension to 21 Aug 66	\$ 400,688.00
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Mod 2	Change Auditor from New York taxPittsburgh ^{Region to} Resident Auditor	\$ ---
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Mod 3	FY 64 overhead rates.	\$ ---
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Mod 4	Time extension to 9 Dec 66.	\$ ---
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Mod 5	Final OH rates for '65	\$ --
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Mod 6	Final OH rates for '66	\$ ----
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Mod 7		\$
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Mod 8		\$
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\$676,650.00

Sent to FRCEN: 26 Jan 71
To be Destroyed Jan 75

Performance Completed: 23 Mar 67

Contract CLOSED: 12 Sep 68

Refund: \$ 11,763.89

334	University of California	E	Cost	a(\$)
No.	Contractor	Status	Contract Type & Authority	
	(15 Jul 64 - 15 Jan 65)			
SUBJECT:	Physiological effects of photostress upon retinal function.		\$	17,000.00
(MD)				
LCDR R. Garver				
	Add			
Mod 1	Phase II - Time extension to 30 June 66.		\$	25,600.00
Mod 2	Revise cost principles.		\$	---
Mod 3	Change overhead rate clause . OH rates thru 31 Dec 65.		\$	---
		28 Feb		
Mod 4	Extension of work to Sixteen 67.		\$	4,100.00
Mod 5			\$	
Mod 6			\$	
Mod 7			\$	
Mod 8			\$	
			TOTAL:	\$46,100.00

Sent to FRCEN: 26 June 71
To be Destroyed July 75

Performance Completed: 15 Jan 67

Contract CLOSED: 3 Sep 68

Refund: \$ 842.51

335	General Electric Company (TEMPO)	L	CPFF a(11)
No.	Contractor	Status	Contract Type & Authority
	(1 Aug 64 - 31 Oct 65)	(pre-contract fm: 10 Jun 64)	
SUBJECT: (RA)	Test instrumentation guidance and experimental requirements (BLUE ROCK)		\$ 357,214.00
XXXXXXXXXXXXXXXXXXXX LTC Brown			
Mod 1	Additional work and time extension to 31 Oct 66.		\$ 237,532.00
Mod 2 (JCS)	Define free-field nuclear weapon effects of NIKE-X warheads and engagements		\$ 56,404.00
Lt Col J. Brown. RAEL			
Mod 3	NIKE Impact Study Electro Magnetic Blackout To assist CONAD in the systems vulnerability analysis phase of the study. Time extension to 15 Jan 67		\$ 69,980.00
Mod 4	Overrun costs - result of underestimation of computer usage		\$ 14,285.00
Mod 5	Incorporation of OH rates for '64 , '65		\$ ---
Mod 6			\$
Mod 7			\$
Mod 8			\$

Sent *Aug 74*
To be *Jul 80*

TOTAL \$735,365.00
PAID \$727,802.75

CLOSED

Performance Completed: *26 May 67*

Contract CLOSED:

final

13 Nov 73

Refund: \$ 7,562.25

*8-27-64
AP*

*6/26/65
AS*

336	Edgerton, Germeshausen & Grier, Inc. (Las Vegas)	L	CPFF a(11)
No.	Contractor	Status	Contract Type & Authority
	(1 Oct 64 - 31 Dec 65) (pre-contract fm 20 Jul 64)		
SUBJECT:	Electronics and data reduction, Project 8.43, GUM DROP.		\$ 746,000.00
STWT			

Capt Lambertson, FC

		DECREASE
Mod 1	Decrease in funds due to underrun in contract costs.	\$ 228,525.00
Mod 2	Time extension to 30 Sept 66	\$ ----
Mod 3	Time extension to 31 July 67	\$ ---
Mod 4		\$
Mod 5		\$
Mod 6		\$
Mod 7		\$
Mod 8		\$

Sent to OPEN: *May 72*
 To be Disposed *Jul 77*

TOTAL: \$517,175.00
 PAID: \$503,095.65

Performance Completed: *21 Oct 67*

Contract CLOSED:

2 Sep 70

CLOSED

Refund: \$ 14,079.35

337	General Atomic	L	CPFF a(11)
No.	Contractor	Status	Contract Type & Authority
	(17 Aug 64 - 30 Jun 65)		
SUBJECT: Measure and calculate fast leakage spectra from AFRRI TRIGA core. (MD)			\$ 55,144.00
CDR R.L. Gade			
Mod 1	Time extension to 31 Jul 65.		\$ ---
Mod 2			\$
Mod 3			\$
Mod 4			\$
Mod 5			\$
Mod 6			\$
Mod 7			\$
Mod 8			\$
			\$ 55,144.00

Sent to ERSEN: 30 SEP 1969
 To be Destroyed Jul 74

Performance Completed: 24 Aug 65

Contract CLOSED: 12 Jun 68

Refund: \$ none

4-3-65
 85
 4-5-65
 HS

338 Lockheed Aircraft Corp.

CPFF (a)(1)

No	Contractor	Status	Contract Type & Authority
	(8 Aug 64- 30 Nov 65)	(pre-contract fm)	

SUBJECT: Continuation of theoretical investigations of geomagnetically trapped electrons. \$ 73,771.00
 RAEV

Mod 1	Time extension to 31 Dec 65.	\$ ---
Mod 2	Final OH rates for '64 and '65 and '66.	\$ ----
Mod 3		\$
Mod 4		\$
Mod 5		\$
Mod 6		\$
Mod 7		\$
Mod 8		\$

Sent to FRCEN: 26 Jun 71
 To be Destroyed: Jul 75

Brought Forward	\$
Total	\$ 73,771.00
Refund:	\$ 252.86

Performance Completed: *in force 66*
 Contract CLOSED: 3 Sep 68

339	United Research Services	S	DPFF a(11)
No.	Contractor	Status	Contract Type & Authority

(15 Sept 64 - 15 Sep 65)

SUBJECT: Investigation of nature of flow field behind a plane shock incident \$ 36,790.00
 (BS) on a wedge of finite angle.

Mai Hook.

Mod 1 Time extension to 15 Apr 66. \$ ---

Mod 2 Time extension to 14 Aug 66. \$ ----

Mod 3 \$

Mod 4 \$

Mod 5 \$

Mod 6 \$

Mod 7 \$

Mod 8 \$

Sent to FRCEN: 26 Jan 71
 To be Destroyed Jul 75

TOTAL: \$36,790.00

Performance Completed: 4 Feb 69

Contract CLOSED: 11 Mar 69

CLOSED

Refund: \$ ---

340	Edgerton, Germeshausen & Grier, Inc. (Boston)	L	CPFF a(11)
No.	Contractor	Status	Contract Type & Authority
	(15 Sept 64 - 30 Jun 65)		

SUBJECT: Attainment of readiness phase, BLUE ROCK 8.4. (RA) \$ 172,178.00

LTC Simbo

Mr. J. Snyder ~~2nd Lt. Snyder~~ / 6/11 WTD

Mod 1 Extension to 31 Mar 66 \$ ----

Mod 2 Furnish additional technical data \$ 9,795.00

Mod 3 Additional costs incurred in performance of existing contract scope. Time extension to 30 Jun 66 \$ 9,976.00

Mod 4 Time extension to 31 Oct 66. \$ ---

Mod 5 Cost overrun \$ 1,960.00

Mod 6 \$

Mod 7 \$

Mod 8 \$

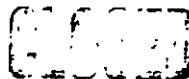
TOTAL: \$193,909.00

PAID: 193,832.41

Sent to FROEN: Jan 72
To be Destroyed Jul 76

Performance Completed: 21 Oct 66

Contract CLOSED: 23 Dec 69



Refund: \$ 76.59

7-12-65
7-23-64
BCE

341	National Company, Inc.	LB	CPFF (a)(11)
No.	Contractor	Status	Contract Type & Authority
	(1 Sept 64 - 3 Apr 65)		
SUBJECT: (RA)	Inherent magnetic field measurement. <i>(Class. Sec. 63)</i>		\$ 74,626.00
Dr. G.A. Blank <i>Capt D.R. Smith</i>			
Mod 1	Time extension to 3 Nov 65.		\$ ---
Mod 2	Notation agreement.		\$ ---
Mod 3	OH rates for FY's 64 and '65		\$ ---
Mod 4			\$
Mod 5			\$
Mod 6			\$
Mod 7			\$
Mod 8			\$

Sent to FRCEN: 26 Jan 71
To be Destroyed Jul 75

TOTAL: \$74,626.00

Performance Completed: 25 Oct 65

Contract CLOSED: 22 Apr 69

CLOSED

Refund: \$448.72

342	William M. Brobeck & Associates	S	CPFF a(11)
No.	Contractor	Status	Contract Type & Authority
	(21 Aug 64 - 10 Dec 64)		
SUBJECT: Feasibility study for a large dose, large area 14 Mev Neutron Generator.			\$ 28,755.00
(AFRL)			

~~GDR R.I. Code Lt Col Provenzano~~

Mod 1		\$
Mod 2		\$
Mod 3		\$
Mod 4		\$
Mod 5		\$
Mod 6		\$
Mod 7		\$
Mod 8		\$

Sent to FROEN: 2 APR 1969
 To be Destroyed Jul 72

\$ 28,755.00

Performance Completed: DEC 64
 Contract CLOSED: 9 Mar 66

Refund: \$ none

343 No.	Stanford Research Institute Contractor	NP Status	CPFF a(11) Contract Type & Authority
	(15 Sep 64 - 31 Dec 65)		
SUBJECT: Investigation of stress propagation in soils. (BS)			\$ 99,798.00

LTJG F.W. Brady

Mod 1	Include funds for purchase of 5 oscilloscopes by contractor	\$ 5,250.00
Mod 2	Time extension to 31 Mar 66.	\$ ---
Mod 3	OH rates for FY 64	\$ ----
Mod 4	Funds for repeating certain tests (no add fee)	\$ 5,600.00
Mod 5	Time extension to 30 Apr 66	\$ --
Mod 6	Final OH rates for '65	\$ ---
Mod 7	XXXXXXXXXXXX FY 66 overhead rates	\$ ---
Mod 8		\$

TOTAL: \$110,648.00

Sent to FRCEN: 26 Jan 71
To be Destroyed Jul 75

Performance Completed: 29 Apr 66

Contract CLOSED: 25 Sep 68

Refund: \$ 1,265.81

345	Stanford Research Institute	NP	CPFF a(11)
No.	Contractor	Status	Contract Type & Authority
	(11 Sept 64 - 31 Aug 66) (pre-contract fm:27 Jul 64)		
SUBJECT: Close-in earth motion studies on TINY TOT. (STWT)			\$ 251,740.00

sup cu RB

Ma. Marc Colvin Capt John C Griggs

Mod 1	Overrun - Add field time		\$ 48,618.00
Mod 2	FY 64 overhead rates. Time extension to 31 Dec 66		\$ ---
Mod 3	Final OH rates for '65		\$ ---
Mod 4	FY 66 overhead rates		\$ ----
Mod 5			\$
Mod 6			\$
Mod 7			\$
Mod 8			\$

*Sent to FRCEN: 26 Jan 71
To be Destroyed Jul 75*

TOTAL: \$300,358.00

Performance Completed: *2 Mar 67*
Contract CLOSED: *9 Sep 68*

Refund: \$ - 0 -

346	Southwest Research Institute	NP	CPFF a(11)
No.	Contractor	Status	Contract Type & Authority
	(15 Sep 64 = 31 Dec 65)		
SUBJECT: Investigation of fire spread. (RATH)			\$ 99,880.00

Mr. J.W. Snyder

Mod 1	Add funds for overhead adjustment.	\$ 3,440.00
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Mod 2	Time extension to 31 Mar 66.	\$ ---
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Mod 3	OH rates 64-65-66	\$ --
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Mod 4		\$
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Mod 5		\$
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Mod 6		\$
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Mod 7		\$
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Mod 8		\$
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4410... 14

Sent to FRCEN: Jan 72
To be Destroyed Jul 76

TOTAL: \$103,320.00
PAID: 103,320.00

Performance Completed:

Mar 66

Contract CLOSED:

23 Mar 70

CLOSED

Refund: \$ - 0 -

347	Edgerton, Germeshausen & Grier, Inc. (Boston)	L	CPIFF a(11)
No.	Contractor	Status	Contract Type & Authority
	(9 Oct 64 - 15 Dec 65) (Pre-Contract fm: 1 Sept 64)		
SUBJECT: Follow-on reduction and analysis of FISH BOWL data. (RATH)			\$ 169,969.00

Mr. J. Snyder

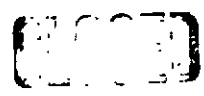
Mod 1	Overrun plus funds for participation in Optical Debris Workshop. <i>Time extension to 30 Sept 66</i>	\$ 23,349.00
Mod 2		\$
Mod 3		\$
Mod 4		\$
Mod 5		\$
Mod 6		\$
Mod 7		\$
Mod 8		\$

Sent to FRCEN: *Jan 72*
To be Destroyed *Jul 76*

TOTAL:	\$193,318.00
PAID:	<u>193,318.00</u>

Performance Completed: *4 Oct 66*

Contract CLOSED: *18 Dec 69*



Refund: \$ - 0 -

348	Cook Electric Company	CPFF a(11)	
No.	Contractor (21 Sept 64 - 18 June 65)	Status	Contract Type & Authority
ECT: (FC) (MFD)	Waterborne Recovery Package System (WARPS). BLUE ROCK 9.13		\$ 288,555.00
<u>ACDR. A. Rockman</u>			
Mod 1	Increased scope - redesign of NOL cannister		\$ 17,669.00
Mod 2	Design, development, fabrication and testing of WARPS units for recovery of Program 2 payloads in Operation BLUE ROCK. Time extension to 6 Dec 65		\$ 72,200.00
Mod 3	Time extension to 5 Feb 66		\$ 78,529.00
Mod 4	Time extension to 23 Apr 66		\$ 267,937.00
Mod 5	Additional task.		\$ 11,664.00
Mod 6	Add BALD EAGLE recovery system. Time extension to 14 May 66		\$ 228,716.00
Mod 8:	Design, development, fabrication and testing of recovery package for Project 8.1 payload.		\$ 98,078.00
Mod 7	Additional funds for holding costs due to change in schedule. Time extension to 19 Sept 66.		\$ 26,309.00

Performance Completed: 3 Oct 69

Contract CLOSED:

24 Feb 71

CLOSED

Refund: \$

Cook Electric Company

Contractor

Status

CPFF (a)(11)

Contract Type & Authority

() (pre-contract fm)

PROJECT:

Mod # 9 Additional services \$ 65,747.00

Mod # 10 Additional services \$ 21,014.00

11 Mod # Additional services, waterborne recovery systems (WARPS), Project 9.13 \$ 12,883.00
Time extension to 30 Nov 66

12 Mod # Additional services \$ 99,410.00
Time extension to 29 Feb 68

Mod # 13 Additional work, MIGHTY SKY, Project 9.13 \$ 78,005.00
~~Time extension to 30 Jun 69~~

Mod # 14 Time extension to Task 25 - no change in level-of-effort. \$ ---
Time extension to 30 Jun 69.

15 Mod # Change ITEM IV to ITEM V - a typographical error. \$ 11,985.00
Additional WARPS Program Support Services

16 Mod # Updating of 2 Category III Recovery Systems. \$ --
Time extension to 30 Sep 69.

Sent to FRCEN: May 72
To be Destroyed Jul 77

Brought Forward \$
Total \$ 1,378,701.0
PAID: 1,378,701.0
REFUND: - 0 -

Performance Completed:

30 Oct 69
24 Feb 71

CLOSED

349 No.	United Research Services Contractor (15 Oct 64 - 15 Nov 65)	SB Status	CPFF (a)(11) Contract Type & Authority
	SUBJECT: Extension of analytical studies on the effects of topography on dynamic pressure. (BSAB)		\$ 45,728.00
Maj Hook			
Mod 1	Add GFM (from Contract -050)		\$ ---
Mod 2	Time extension to 31 Dec 65		\$ ----
Mod 3	Application of prediction methods for effects of arbitrary terrain shapes on dynamic and side-on pressure pulses and time extension to 15 Jun 66 , 31 Aug 66		\$ 9,500.00
Mod 4	Small scale high explosive test series for determining shock wave pulse shapes from near simultaneous detonations of two explosive charges		\$ 4,760.00
Mod 5	Time extension to 31 Mar 67		\$ ---
Mod 6	Time extension 30 Jun 67		\$ ----
Mod 7	Time extension to 29 Feb 69		\$ ----
Mod 8			\$
			TOTAL: \$59,988.00

Sent to FRCEN: Jan 72
To be Destroyed Feb 76

Performance Completed: 7 Jan 68

Contract CLOSED: 19 Aug 69

CLOSED

Refund: \$ 29.00

350 Geophysics Corp. of America

No.	Contractor	Status	Contract Type & Authority
	(1 Nov 64 - 15 Aug 65)	(pre-contract Fm: 14 Sept 64)	

SUBJECT: Laser mapping of bomb debris atmospheres. (RAEL) \$ 98,471.00

Dr. C.A. Blank

Mod 1	Additional work and time extension to 23 Mar 67.	\$296,643.00
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Mod 2	Redirection of Phase III effort of the development of a prototype field system (Program LAMBDA) Time extension to 31 May 67	\$ 96,494.00
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Mod 3	Continuation of LAMBDA Program Time extension	\$ 99,781.00
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Mod 4	Continuation of LAMBDA Program. (FY68 NWET (TID)(TIOE), Subtask11BHAX533) Time extension to 15 Jul 68.	\$ 199,899.00
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Mod 5	Preparation for Participation in PCA Events, Thule, Greenland. (FY67 NWET, MTR, 20AHAX606, MR 6.06)	\$ 45,466.00
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Mod 6	Preparation & utilization of the LAMBDA equipment at SECEDE Event Additional work Time extension to 30 Nov 69.	\$ 190,559.00
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Mod 7	Time extension to 30 Jun 70.	\$ ---
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Mod 8	Sent to FRCEN: SEP 1975 To be Destroyed Jul 1981	\$
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TOTAL \$1,027,313.00

PAID \$1,019,099.89

REFUND \$ 8,213.11

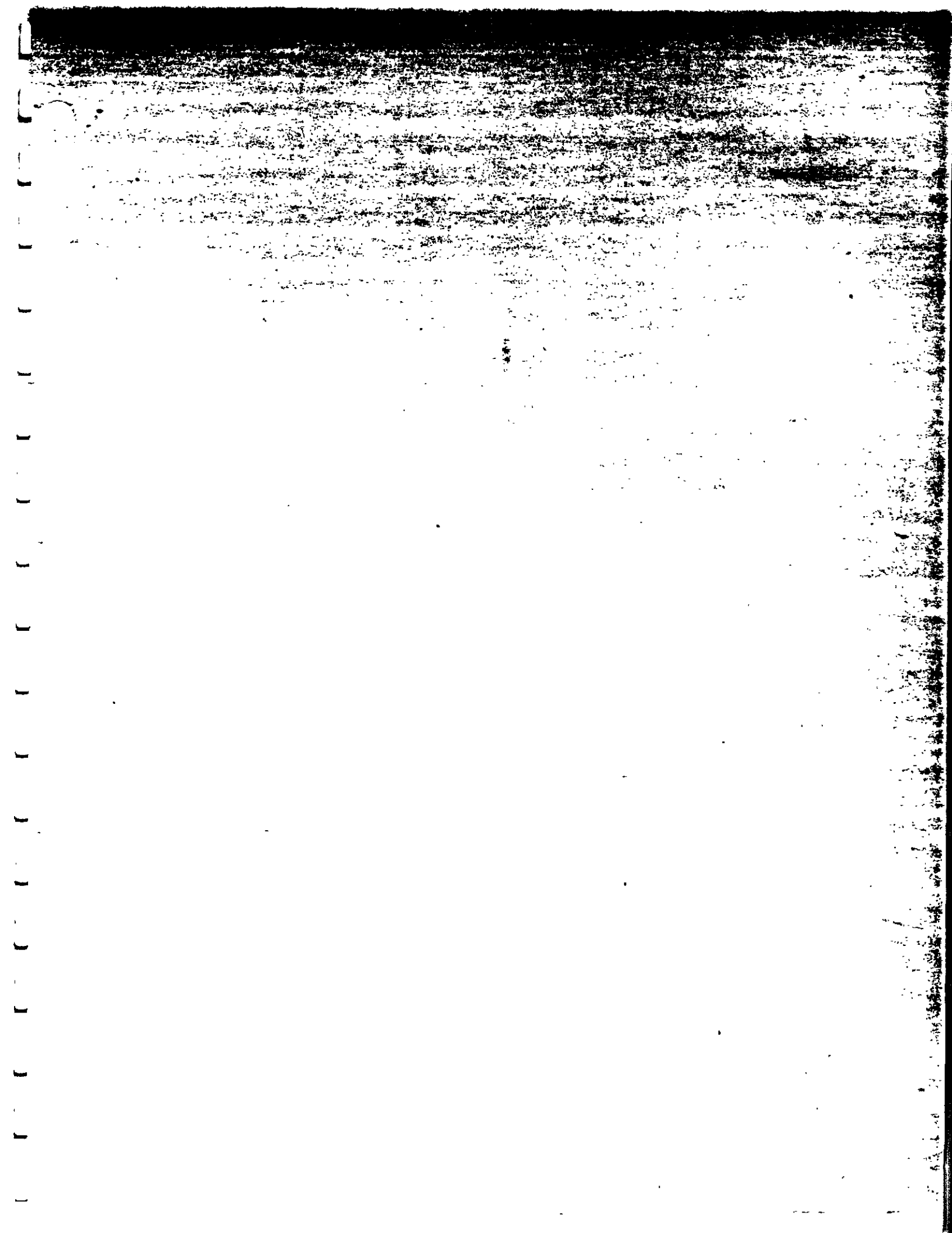
Performance Completed:

Contract CLOSED:

CLOSED

5 June 70
14 May 75

Refund: \$



351	IIT Research Institute	NP	CPFF a(11)
No.	Contractor	Status	Contract Type & Authority
	(14 Sep 64 - 14 Jun 65)		
SUBJECT: R&R Plan - BLUE ROCK Project 6.15. (RAEL)			\$ 199,512.00

8-19-64
HS

Lt Col J.D. Brown			
Mod 1			\$
Mod 2			\$
Mod 3			\$
Mod 4			\$
Mod 5			\$
Mod 6			\$
Mod 7			\$
Mod 8			\$

\$ 199,512.00

Sent to FRCEN: 30 SEP 1969
To be Destroyed Jul 74

Performance Completed: Sep 65

Contract CLOSED: 4 Feb 68

Refund: \$ none

352 No.	IIT Research Institute Contractor	NP Status	Contract Type & Authority
SUBJECT: (STWT)	Close-in stress-time history measurements for the TINY TOT Event, Project 1.3.		\$ 122,258.00

~~Mr. M. Colvin~~ *Capt John C. Griggs*

Mod 1	Additional work - add project 9.11		\$ 32,177.00
Mod 2	Include any effort required by the presence of EMP Dry runs at locations specified by P.O.		\$ 68,087.00
Mod 3	Change appropriation number of funds		\$ ----
Mod 4	Time extension to 30 Nov 66.		\$ ---
Mod 5			\$
Mod 6			\$
Mod 7			\$
Mod 8			\$

Sent to FRCEN: 30 SEP 1969
To be Destroyed *Jul 74*

\$ 222,522.00

Performance Completed: *12 Jul 67*
Contract CLOSED: *11 Mar 68*

Refund: \$ *686.02*

353	University of Hawaii	E	Open End 4(5)
No.	Contractor	Status	Contract Type & Authority
	(Month of Oct 64)		
SUBJECT: Furnishing of computer time in support of Operation CROSSCHECK. (JTF-8)			\$
Mod 1 D.O. #1 10 hr of service at \$365.00 per hr.			\$ 3,650.00
Mod 2			\$
Mod 3			\$
Mod 4			\$
Mod 5			\$
Mod 6			\$
Mod 7			\$
Mod 8			\$
			\$ 3,650.00

Sent to [unclear] Apr 68
To be [unclear], ed Jul 71

Performance Completed: 31 Oct 64

Contract CLOSED: 28 Jul 65

Refund: \$ 2,408.21

354	General Atomic	Status	CPFF a(11)
No.	Contractor		Contract Type & Authority
	(1 Sept 64 - 30 Nov 65)		\$ 145,233.00
SUBJECT: Electronic and ionic reactions in atmospheric gases. (RAEL)			
Dr. C.A. Blank			
Mod 1	Continuation of research and time extension to 30 Nov 66		\$ 148,772.00
Mod 2	Continuation of effort. Time extension to 30 Nov 67		\$148,791.00
Mod 3	Continuation of research and time extension to 30 Nov 68.		\$124,993.00
Mod 4	Novation Agreement		\$ ---
Mod 5	Time extension to 28 Feb 69		\$ ---
Mod 6			\$
Mod 7			\$
Mod 8			\$

Sent to ERDEN: May 72
To be Destroyed Jul 77

TOTAL: \$567,789.00
P&DI: \$567,789.00

28 Feb 69

Performance Completed:

Contract CLOSED:

17 July 1970

CLOSED

Refund: \$ - 0 -

355	Stanford Research Institute	NP	CPFF a(11)
No.	Contractor	Status	Contract Type & Authority
	(1 Oct 64 - 30 Jun 65)		

SUBJECT: Modification of riometers for Operation BLUE ROCK, Project 6.28.1. \$ 15,346.00
(RAEL)

Maj. G. R. Underhill

Mod 1 Additional funds and time extension to ~~30 Nov 65~~ 15 Feb 66. \$ 3,263.00

Mod 2 FY 65 overhead rates \$ ---

Mod 3 FY 66 overhead rates \$ ---

Mod 4 \$

Mod 5 \$

Mod 6 \$

Mod 7 \$

Mod 8 \$

\$ 18,609.00

Sent to FRCEN: 30 SEP 1969

To Be Destroyed Jul 74

Performance Completed: 4 Jul 65

Contract CLOSED: 21 Feb 68

Refund: \$ 310.17

9-14-68
11-26-66 10-27-66

356	Stanford Research Institute	NP	CPFF s(11)
No.	Contractor	Status	Contract Type & Authority

(20 Oct 64 - 31 Dec 65)

SUBJECT: A high resolution ultraviolet spectral study of aurora in association with satellite experiment. (RAEL) \$ 60,202.00

9-10-64
RB

LTJG R.F. Kapperman

Mod 1	Additional work and time extension to 30 Jun 66	\$ 29,311.00
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Mod 2	Time extension to 28 Sep 66 , 30 Nov 66	\$ ---
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Mod 3	Final OH rates for '65	\$ ---
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Mod 4	FY 66 overhead rates	\$ ----
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Mod 5		\$
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Mod 6		\$
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Mod 7		\$
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Mod 8		\$
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TOTAL: \$89,513.00

Sent to FRCEN: 26 Jan 71
To be Destroyed Jul 75

Performance Completed: 26 Dec 66

Contract CLOSED: 13 Sep 68

Refund: \$ 1,269.39

357 No	Geophysics Corp. of America Contractor	L Status	CPFF a(11) Contract Typ & Authority
	(1 Oct 64 - 31 Aug 65) (pre-contract fm)		
	SUBJECT: Integration of instruments into a payload suitable for readiness certification tests, Project 6.4, Operation BLUE ROCK RAEL		\$ 86,965.00
	Dr. Blank		
6-13-65 115	Mod 1	Incorporate changes in integration of instrument payload. Time extension to 30 Sept 65.	\$ 28,959.00
3-28-66 HS	Mod 2	Addition of an attitude control system & payload separation system to BLUE ROCK 6.4 payload - Increase scope of field support. Time extension to 30 Nov 66	\$105,923.00
	Mod 3	Add three Project 6.4 type payloads for the 1966 ECLIPSE Operation Time extension to 11 April 1967	\$198,497.00
	Mod 4	Additional, unanticipated services. Additional costs in purchase of essential spare parts and the performance of on-site payload modifications.	\$ 80,347.00
	Mod 5	Flight Approval Tests for 6.4 Payload Separation System Time extension 30 Nov 67	\$ 43,130.00
	Mod 6	Modification of Project 6.4 . Time extension to 31 Oct 68	\$ 15,118.00
	Mod 7	Time extension to 30 Mar 69.	\$ --
	Mod 8	Time extension to 30 Jun 69.	\$ ---

Sent to CPFF: by 72
To be included Jul 78

30 June 72
14 Apr 72

CLOSED

Brought Forward	\$
Total	\$ 558,939.00
PAID:	551,956.28
REFUND:	6,982.72

Performance Completed:

358	Industrial Nucleonics Corp.	S	CPFF a(11)
No.	Contractor	Status	Contract Type & Authority
	(21 Sep 64 - 21 Sep 65)		
SUBJECT: Nucleonic detection system for rocket applications. (RAEL)			\$ 109,387.00

LTJG T.G. Cagle

Mod 1	Calibration of additional detector set; provide certain engineering changes as required; extend to 21 Oct 65.	\$ 59,394.00
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Mod 2	Time extension to 21 Dec 65.	\$ ---
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Mod 3	Time extension to Sixteen Dec 28 Feb 66.	\$ ---
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Mod 4		\$
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Mod 5		\$
-------	--	----

Mod 6		\$
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Mod 7		\$
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Mod 8		\$
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Sent to FRCEN: 2 APR 1969
 To be Destroyed *Jul 73*

\$ 168,781.00

Performance Completed: 14 Mar 66

Contract CLOSED: 13 Apr 67

Refund: \$ 4,221.66

359 No.	The Lovelace Foundation Contractor (1 Oct 64 - 31 Mar 66)	Status	Cost (a)(5) Contract Type & Authority
	SUBJECT: Biomedical aspects of integrated effects. (STMD)		\$ 150,000.00
	Maj Hall F. Stolz, NSA William R. Gorden, STMD		
Mod 1	Revise cost principles.		\$ ---
Mod 2	Additional research and time extension to 31 Mar 67		\$ 400,000.00
Mod 3	Revision and amplification of original research proposal. Time extension to 31 Dec 67.		\$ 400,000.00
Mod 4	Additional scope of work on "Biomedical Aspects of Combined Injury". Time extension to 31 Dec 68. (FY68 NWER- Subtask RMD 1.112)		\$ 370,000.00
Mod 5	Biomedical Aspects of Combined Injury. (FY69 NWER MA 112) Time Extension to 31 Dec 69.		\$ 350,000.00
Mod 6	Time extension to 30 Jun 70.		\$ ---
Mod 7	Time extension to 1 Dec 70		\$ ---
Mod 8			\$

Sent to FRCEN: Aug 74
To be Destroyed Jul 79

TOTAL:	\$1,670,000.00
PAID:	1,669,301.95

Performance Completed:

Contract CLOSED:

1 Dec 70
18 Jan 73

CLOSED

Refund: \$ 698.05

360	Edgerton, Garmeshausen & Grier, Inc. (Las Vegas), I.	Status	Contract Type & Authority
No.	Contractor (1 Oct 64 - 31 Dec 66)		
SUBJECT: Fireball measurements on RED HOT and DEEP WELL events. (BSPS)			\$ 513,930.00
Maj. M. Colvin, STWT			
Mod 1			\$ 20,205.00
Mod 2	Re-test of closure system and time extension to 31 Dec 66.		\$ 28,755.00
Mod 3	Termination for convenience of the Government. Reduction of contract scope by reason of indefinite deferment of DEEP WELL experiment. Decrease on time - extension to 1 Oct 66		\$-49,181.00 (d cr
Mod 4	Time extension to 1 April 67		\$ ----
Mod 5	Time extension to 30 Nov 67		\$ ----
Mod 6			\$
Mod 7			\$
Mod 8			\$

FEB 1977
513,709.00

TOTAL: 513,709.00
PAID 513,709.00
TOTAL REFUND - 0 -

Performance Completed: 30 Nov 67
Contract CLOSED: 3 Jun 76

Refund: \$

361 No.	IIT Research Institute Contractor (1 Oct 64 - 31 Dec 65)	NP Status	CPFF Contract Type & Authority
	SUBJECT: Design and development of a compact electric field sensor and recording system prototype. (RAEL)		\$ 99,986.00
	Lt Hutchins		
	Dr. G.A. Blank <i>Capt D.E. Smith</i> Dr. G.A. Blank <i>Commander</i> (RAEL)		
Mod 1	Time extension to 31 Mar 66		\$ ---
Mod 2	Time extension to 31 May 66		\$ ---
Mod 3	Time extension to 30 Jun 66.		\$ ---
Mod 4	Additional development and refinement of the direct analog drum recorder. Time extension to 29 Feb 68.		\$108,566.00
Mod 5	Redefinition of specs of TASK VII. Time extension to 31 Aug 68.		\$ ---
Mod 6			\$ ---
Mod 7			\$ ---
Mod 8			\$ ---

Sent to FROEN: May 72
To be paid: Jul 77

TOTAL: \$208,552.00
PAID: \$208,552.00

Performance Completed: *27 Aug 70*

Contract CLOSED:

27 Aug 70

CLOSED

Refund: \$ - 0 -

9-10-64
 8-11-65
 1-16-66

362	Physics International Company	S	CPFF a(11)
No.	Contractor	Status	Contract Type & Authority
	(1 Oct 64 - 30 Jun 65) (pre-contract fm 1 Sep 64)		
SUBJECT:	Revisions of First Edition - Nuclear Weapons Vulnerability Source Book.		\$ 192,635.00
Maj. R.W. Blum			
Mod 1	Time extension to 31 Aug 65.		\$ ---
Mod 2	Evaluating inclusion of AEM information into source book. Also funds for overrun. Time extension to 15 Mar 66.		\$ 9,167.00
Mod 3			\$
Mod 4			\$
Mod 5			\$
Mod 6			\$
Mod 7			\$
Mod 8			\$

Sent to FRCEN: 26 Jan 71
 To be Destroyed Jul 75

TOTAL: \$201,803.00

Performance Completed: 24 Mar 66

Contract CLOSED: 13 Sep 68

Refund: \$ 1,072.23

363 No.	Cornell University Contractor (1 Oct 64 - 31 Nov 65)	E Status	Cost (a)(5) Contract Type & Authority
SUBJECT: (STDM)	Biomedical dosimetry and response to internal and external radiation.		\$ 91,900.00
Order Maj William R. Godden, STMD			
Mod 1	Revise cost principles.		\$ ---
Mod 2	Continuation of neurophysiological and behavioral studies. Time extension to 30 Nov 66		\$ 85,000.00
Mod 3	Biological Response to Ionizing Radiations. Determination of mechanism(s) causing functional incapacitation. Time extension to 30 Nov 67.		\$ 83,000.00
Mod 4	Time extension to 1 Mar 68.		\$ -
Mod 5	OH rates for '67		\$ ---
Mod 6			\$
Mod 7			\$
Mod 8			\$

10-7-65
BR
10-20-66
HS

Follow up from 658

Sent to FRCEN: 26 Jan 71
To be Destroyed Jul 75

TOTAL: \$258,900.00

Performance Completed: 13 Feb 68

Contract CLOSED: 19 February 1969

CLOSED

Refund: \$ - 0 -

364	Lockheed Missiles & Space Company	L	CPFF a(11)
No.	Contractor	Status	Contract Type & Authority
	(1 Oct 64 - 31 Jul 65)		\$ 247,021.00
SUBJECT: Operation GUM DROP, Project 9.1 (RATH)			
Lt W.E. Mauldin, AFWL			
Mod 1	Engineering changes to GUM DROP installation.		\$ 57,803.00
Mod 2	Time extension to 31 Oct 66		\$ ---
Mod 3	Final OH rates for '64		\$ ---
Mod 4	Final OH rates for '65 and '66		\$ ---
Mod 5			\$
Mod 6			\$
Mod 7			\$
Mod 8			\$

Sent to FROEN: *May 72*
 To be Destroyed *Jul 77*

TOTAL: \$304,824.00
 PAID: 304,824.00

Performance Completed:

30 Jul 65

Contract CLOSED:

24 Feb 71

CLOSED

Refund: \$ - 0-

*10-5-64
R.B.*

1/21/67

365	IIT Research Institute	NP	CPFF a(11)
No.	Contractor	Status	Contract Type & Authority
	(1 Jan 65 - 15 Jan 66) (pre-contract fm 7 Oct 64)		
SUBJECT: Energy coupling to the ground from surface and near surface (BSPS) megaton range nuclear explosions.			\$ 44,500.00

~~xxxxxxx~~ LCDR Crowley STBS

2-10-67	Mod 1	Time extension to 31 May 66.	\$ ---
	Mod 2	Time extension to 15 Sep 66.	\$ ---
	Mod 3	Time extension to 15 Dec 66.	\$ ---
	Mod 4		\$
	Mod 5		\$
	Mod 6		\$
	Mod 7		\$
	Mod 8		\$

Sent to FRCEN: 30 SEP 1969
 To be Destroyed Jul 74

644,500.00

Performance Completed: 17 Feb 67

Contract CLOSED: 21 Jul 67

Refund: \$ 51.33

366 No.	Northrop Corporation Contractor	L Status	CPFF a(11) Contract Type & Authority
	(1 Dec 64 - 31 Oct 65) (pre-contract fm 28 Sep 64)		
	SUBJECT: Field test of experimental neutron detectors (BLUE ROCK) (RANU)		\$ 82,231.00

Mr. John Kinch, NDL

Mod 1 RANU	Additional funds for maintaining field crew an additional week. Also name (division) and address change.		\$ 7,394.00
Mod 2			\$
Mod 3			\$
Mod 4			\$
Mod 5	(Division) Name and address change		\$ ---
Mod 6			\$
Mod 7			\$
Mod 8			\$
			\$ 89,625.00

Sent to FROEN: 2 APR 1969
To be Destroyed Jul 73

Performance Completed: 15 Mar 65

Contract CLOSED: 29 Jun 66

Refund: \$ 188.46

367	Beckman Instruments, Inc.	L	CPFF a(11)
No.	Contractor	Status	Contract Type & Authority
	(10 Oct 64 -)		
SUBJECT: (RAEL)	Restoration, transportation and installation of PICE equipment at Kirtland AFB (BLUE ROCK 9.9)		\$ 142,206.00
Major xxx Hwibxxx ITC Wolf STAB Mr. Denzil Rogers, AFWL			
Mod 1	Additional work and time extension to 15 Jun 66.		\$ 98,632.00
Mod 2 APTE 6-9-66	BLUE ROCK 9/5/PICE interface.		\$ 323,971.00
CDR G.T. Strong			
Mod 3 3-28-66	Consultation and coordination services, PCM/PICE interface, rocket launcher controller/simulator modifications. Time extension to 31 Jul 67. Maintenance of readiness.		\$ 62,506.00
Mod 4 11-1-66	Additional work and time extension to 15 Oct 67		\$ 37,293.00
Mod 5 LR	Extension of PICE field service support at Kirtland AFB Time extension to 31 Oct 68		\$ 57,662.00
Mod 6 1-1-71	Additional effort to repair and checkout of 1250 PICE (circuit boards) (FY67 NWET -20AT SX909)		\$ 16,250.00
Mod 7 1-2-71	Decrease amount of funds (underrun)		- \$ 35,000.00 (dec)
Mod 8			\$

TOTAL: \$703,520.00
PAID: 695,891.60

Sent to PROEN: May 72
To be Dec. of Jul 71

Performance Completed: 7 Jan 69

Contract CLOSED: 7 Apr 71

CLOSED

Refund: \$7,628.40

368	Control Data Corporation	CPFF (a)(11)
Contractor	Status	Contract Type & Authority
(5 Nov 64 - 31 Oct 65) (pre-Contract Fm: 21 Oct 64)		
SUBJECT: Real time computer program - BLUE ROCK. 9.9 APTE		\$ 352,689.00
xxxxxxxxxx Capt S. E. Barbutt, APTE.		
Mod 1		\$ 69,885.00
Mod 2	Time extension to 31 Dec 65.	\$ ---
Mod 3	Funds for additional computer time. Analog to digital conversion (3400 series to 3600 series) and time extension to 31 Dec 1970	\$ 375,882.00
Mod 4	Phase III - Project (BLUE ROCK) - now - MIGHTY SKY	\$ 55,203.00
Mod 5	Overhead adjustment - increase in contract burden rate.	\$ 40,584.00
Mod 6	Time extension for PHASE III only.	\$ ---
Mod 7		\$
Mod 8		\$

11-1-65

Sent to FROEN: Aug 74
To be Destroyed Jul 79

TOTAL: \$894,243.00
PAID: \$878,233.40

Performance Completed:

23 Aug 68

Contract CLOSED:

9 Apr 73

CLOSED

Refund: \$ 16,009.60

369	Stanford Research Institute	NP	CPFF a(11)
No.	Contractor	Status	Contract Type & Authority
	(19 Oct 64 - 30 Jun 65)		
SUBJECT: Modification of radar on AEW&C aircraft for Operation BLUE ROCK, (WITS) Project 6.9			\$ 68,450.00
<i>1st Lt Grace</i>			
Mod 1	FY 64 overhead rates.		\$ ---
Mod 2	FY 65 overhead rates		\$ ---
Mod 3			\$
Mod 4			\$
Mod 5			\$
Mod 6			\$
Mod 7			\$
Mod 8			\$
			\$68,450.00

Sent to FRCEN: 30 SEP 1969
 To be Destroyed *Jul 74*

Performance Completed: *24 Aug 65*

Contract CLOSED: *31 Oct 67*

CLOSED

Refund: \$ 44.97

11700-66 12-7-65 10-16-66
 BG HS

370	IIT Research Institute	NP	CPFF a(11)
No.	Contractor	Status	Contract Type & Authority
	(1 Nov 64 - 31 Oct 66)		
SUBJECT:	Close-in stress vs time measurements on RED HOT and DEEP WELL events.		\$168,098.00
(RS)			

10-2-64
54
01

~~Maj Marc Colvin, STWT~~ *Capt John C. Griggs, WTD*

Mod 1	Time extension 31 Dec 66	\$ 63,854.00
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Mod 2	Reduction of contract scope by reason of indefinite deferment of DEEP WELL experiment. New contract completion date: 1 Oct 66	DECREASE \$ 6,200.00
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Mod 3	Termination for convenience of the Government,	\$ ---
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Mod 4		\$
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Mod 5		\$
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Mod 6		\$
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Mod 7		\$
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Mod 8		\$
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\$225,752.00

Sent to FRCEN: 26 Jun 71
To be Destroyed Jul 75

Performance Completed: 5-Jan 67

Contract CLOSED: 4 Nov 68

Refund: \$ 282.91

371 No.	Stanford Research Institute Contractor	NP Status	CPFF (a)(11) Contract Type & Authority
	(2 Nov 64 - 2 Nov 66)		
SUBJECT: (BS)	Pressure-time and ground motion measurements on RED HOT and DEEP WELL events. <i>9/21/31</i>		\$ 421,400.00

~~Maj Mare Gelvin, STWT~~ *Capt John C. Griggs WTD*

Mod 2 Additional funds to cover delays in schedules, revised instrumentation \$229,918.00
additional data processing, etc.

12-7-66

Mod 2 FY 64 overhead rates \$ -----

Mod 3 Termination for convenience of the Government. - \$ 68,122.00
Time extension to 15 Jan 67. (Decrease)

Mod 4 FY 66 overhead rates \$ ---

Mod 5 OH rates for '67 \$ ---

Mod 6 \$

Mod 7 \$

Mod 8 \$

TOTAL: \$583,196.00

Sent to FRCEN: *Jan 72*
To be Destroyed *Jul 74*
15 Aug 69

Performance Completed: *12 Jul 67*

Contract CLOSED:

Refund: \$ - 0 -

372	Lovelace Foundation	(5)
Contractor	Status	Cost (A) (22)
(1 Jan 65 - 31 Dec 65)		Contract Type & Authority
SUBJECT: Biological effects of blast from bombs. (STMD)		\$ 375,000.00
Maj Hal F. Stolz, Maj Harry E. Wittman, Excursion, STMD		
10-7-65 OB Mod 1	Revise cost principles.	\$ ---
Mod 2	Continuation of work and time extension to 31 Dec 66.	\$ 300,000.00
6P 215267 Mod 3	Study the treatment of the blast-casualty Time extension 31 Dec 67	\$ 200,000.00
Mod 4	Continuation & expansion of this program. Time extension 31 Dec 68. (FY68 NWER medical funds -task RMD1, Subtask .012	\$ 130,000.00
Mod 5	The Biological Effects of Blast from Bombs. (blast protection provided by round and elliptical foxholes. FY69 NWER MA 012 Time extension to 31 Dec 69.	\$ 150,000.00
Mod 6	Time extension to 31 Mar 70.	\$ ---
Mod 7	Time extension to 30 Jun 70 Incorporation of 1968.	\$ ---
Mod 8		\$

Sent to FRGEN: Aug 74
To be Destroyed Jul 79

TOTAL: \$1,155,000.00
PAID: 1,155,000.00

Performance Completed:

Contract CLOSED:

14 July 70
19 Jan 73

CLOSED

Refund: \$ - 0-

373	Barkley and Dexter Laboratories, Inc.	S	CPTF a(11)
No.	Contractor	Status	Contract Type & Authority
	(9 Nov 64 - 30 Jun 65)		
SUBJECT:	Design, develop, fabricate and test balloon launch system for use in conjunction with seaborne launchings of high altitude balloons (BLUE ROCK Project 1.6)		\$ 52,459.00

Capt R.J. Reddy (^{maj J.P. H.K} ~~Capt J. Choromokos~~, BSAB)

Mod 1	Funds to cover any repairs required for equipment damaged in field tests. Time extension to 15 Sep 65.	\$ 3,845.00
Mod 2		\$
Mod 3		\$
Mod 4		\$
Mod 5		\$
Mod 6		\$
Mod 7		\$
Mod 8		\$

TOTAL: \$56,304.00

Sent to FRCEN: 26 Jan 71
To be Destroyed Jul 75

Performance Completed: Sep 65

Contract CLOSED: 25 Mar 69 Closed

Refund: \$ 2,097.99

374	IIT Research Institute	NP	CPFF a(11)
No.	Contractor	Status	Contract Type & Authority
	(1 Nov 64 - 31 Jan 66)		
SUBJECT: Behavior of explosive systems under mild impact (APAB)			\$ 98,564.00

1-13-66
88

~~Major Robert H. ...~~ Capt Choromokos, STBS

Mod 1	Time extension to 29 Apr 66	\$	---
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Mod 2		\$	
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Mod 3		\$	
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Mod 4		\$	
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Mod 5		\$	
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Mod 6		\$	
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Mod 7		\$	
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Mod 8		\$	
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\$ 98,564.00

Sent to FRCEN: 8 0 SEP 1969
To be Destroyed Jul 74

Performance Completed: 31 May 66

Contract CLOSED: 21 Jul 67

Refund: \$ 195.01

375	Hughes Aircraft Company	LE	CPTF (a)(11)
No.	Contractor (1 Dec 64 - 31 May 65)	Status	Contract Typ & Authority
SUBJECT: (HDL)	Feasibility of using a radiation resistant dispersive delay line system to assist in recording and storing initial radiation data.		\$ 17,342.00
Mr. Paul Caldwell			
Mod 1	Increased scope and time extension to 31 Oct 65 31 Oct 65		\$ 3,716.00
Mod 2	Increase distribution copies from 25 to 82 and extend time to 31 Mar 66.		\$ 287.00
Mod 3	Final OH rates for 64 and 65		\$ -----
Mod 4			\$
Mod 5			\$
Mod 6			\$
Mod 7			\$
Mod 8			\$
TOTAL:			\$21,345.00

Sent to FRCEN: 26 Jun 71
 To be Destroyed Jul 75

Performance Completed:

1 NOV 65

Contract CLOSED:

12 Dec 65

Refund: \$ 186.40