

R. & D. CONTRACTS ADMINISTERED BY PURCHASING OFFICE, MSFC—Continued

[Listed in order of dollar value]

Contractor	Contract	Description	Date	Amount
Lockheed Aircraft, Sunnyvale, Calif.	NAS8-11901	Design, manufacture, test, evaluate, and deliver specimens for cryogenics burst test program.	June 30, 1965	\$114,041
Massachusetts Institute of Technology, Cambridge, Mass.	NAS8-2504	Establish guidelines for Random and Sinusoidal vibration correlation.	June 30, 1961	113,891
Honeywell, Inc., Minneapolis, Minn.	NAS8-20006	Man-system criteria for extraterrestrial surface roving vehicles.	Feb. 11, 1965	113,605
Electro-Mechanical Research, Inc., Minneapolis, Minn.	NAS8-19093	Central processor.	Oct. 6, 1966	113,600
North American Aviation, Canoga Park, Calif.	NAS8-20225	Investigate cooling problems at high chamber pressures.	June 29, 1965	113,277
Northrup Corp., Huntsville, Ala.	NAS8-11440	Computer solutions of the Phase II equations.	June 29, 1964	113,044
Westinghouse Electric, Pittsburgh, Pa.	NAS8-20567	Self-contained electron beam welding device.	Mar. 29, 1966	113,000
Space Craft, Inc., Huntsville, Ala.	NAS8-15552	Modules.	May 26, 1965	113,441
Auburn University, Auburn, Ala.	NAS8-20163	Study in digitized servoelectronics for use in stabilized platform system.	June 17, 1965	111,314
Allied Research Association, Concord, Mass.	NAS8-11294	Photomechanical investigations of structural behavior of gyroscope components.	Nov. 23, 1964	110,831
IBM, Bethesda, Md.	NAS8-11092	Investigation of cryogenic propellant level sensor.	Aug. 20, 1963	110,580
Illinois Institute of Technology, Chicago, Ill.	NAS8-11015	Analysis for deriving mathematical mass-spring models of propellant tanks.	June 21, 1963	109,955
Bolt, Beranek, Newman, Cambridge, Mass.	NAS8-20026	Study of structural response to inflight acoustic environment.	June 21, 1965	108,471
Packard Bell Electronics, Corp., Los Angeles, Calif.	NAS8-876	Automatic checkout system for S1 vehicle Saturn.	June 31, 1963	108,556
University of Alabama, University, Ala.	NAS8-5411	Study of "parameter optimization" in vehicle-borne tracking system.	June 8, 1963	108,374
General Dynamics, San Diego, Calif.	NAS8-11181	Study of stability of unpressurized shell structures under static loading.	May 20, 1965	106,991
Perkin-Elmer Corp., Norwalk, Conn.	NAS8-11669	Development and fabrication of ring laser systems.	Aug. 24, 1964	106,908
Bendix Corp., Teterboro, N.J.	NAS8-11356	Develop improved performance high speed spin bearings and gyro wheels.	June 23, 1964	106,581
Chrysler Corp., Huntsville, Ala.	NAS8-15686	Eds Q-ball angle of attack sensor system.	June 13, 1965	106,532
North American Aviation, Los Angeles, Calif.	NAS8-13687	R-1 test welder.	Feb. 23, 1965	105,190
Grumman Aircraft, Inc., Bethpage, N.Y.	NAS8-20405	Study of lunar surface scientific mission simulation.	June 23, 1965	105,704
University of Tennessee, Knoxville, Tenn.	NAS8-20152	Study of bubble growth in an oscillating pressure field.	June 22, 1965	105,580
Industrial Nucleonic, Columbus, Ohio	NAS8-21014	Performance of studies to determine techniques for measuring propellant.	Nov. 1, 1966	105,560
Sperry Rand Corp., Great Neck, N.Y.	NAS8-11646	Development and fabrication of ring laser systems.	May 30, 1964	104,724
Universal Match Corp., Phoenix, Ariz.	NAS8-11778	Design, development, and fabrication testing of remote control safety/arming device.	Dec. 22, 1964	104,717
General Dynamics, San Diego, Calif.	NAS8-11405	Hydrogen-oxygen reaction studies.	June 30, 1964	103,907
Honeywell, Inc., Minneapolis, Minn.	NAS8-11902	2 gas bearing gyros with hydrodynamic spin motors.	Mar. 30, 1965	103,723
P.E.C. Corp., Boulder, Colo.	NAS8-5210	Theoretical study of the radiative emissivity of materials.	Apr. 1, 1963	103,250
North American Aviation, Downey, Calif.	NAS8-20283	Human factors visual simulation study.	Dec. 22, 1965	102,625
Douglas Aircraft Co., Huntington Beach, Calif.	NAS8-11370	Saturn I-B improvement study (solid first stage).	June 24, 1964	102,450
Lockheed Aircraft, Marietta, Ga.	NAS8-20518	Design, development, test, and fabrication of prototypes and productive units.	June 30, 1965	102,237
Virginia Polytechnic Institute, Blacksburg, Va.	NAS8-11433	Studies and investigations on slip rings and gas bearing components.	June 20, 1964	102,000
General Applied Science Laboratory, Westbury, N.Y.	NAS8-20066	Investigation of combustion of hydrogen in hypersonic airstream.	May 7, 1965	101,720
General Dynamics, Fort Worth, Tex.	NAS8-11905	Design, development, fabrication, test 2 flight modes.	June 29, 1965	101,477
Texasco Experiments, Richmond, Va.	NAS8-20065	Study of lunar geophysical surface and subsurface probes.	June 28, 1965	100,435
Bendix Corp., Sidney, N.Y.	NAS8-11893	Design, fabrication, and delivery of 4 exploding bridgewire firing units.	May 21, 1965	101,430
Chrysler Corp., Huntsville, Ala.	NAS8-17610	Redundant EDS Q-Ball sensor systems.	May 10, 1966	101,250
Hydronautics, Inc., Laurel, Md.	NAS8-20625	Investigation of a tandem row-high head pump inducer.	Sept. 8, 1966	101,170
Auburn University, Auburn, Ala.	NAS8-11234	Environmental effects on multiphase genesis.	Apr. 25, 1964	100,381
North American Aviation, Downey, Calif.	NAS8-18031	Feasibility of modifying the S-II stage as injection stage.	Aug. 19, 1966	100,000
ITT Research Institute, Chicago, Ill.	NAS8-20337	Experimental hypervelocity impact research program.	June 28, 1966	100,000