

5 May 1960

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FISCAL YEAR 61 COMBINED CODE 5430 AND 5170 BUDGET ESTIMATE

This Budget Estimate is based on two items: Number 1 being a 20-inch diameter space satellite with a primary (L-band) collection experiment and a cover experiment. Item Number 2 is a proposal for three space probe experiments, each with a different experiment.

ITEM 1. Code 5170 Budget Estimate for FY-61

Development Costs ~~20 men~~ 400K

~~1 Satellite (Biological Satellite with long-term stable oscillator for navigation studies)~~

Cost of cover

University of Maryland 20K

5170 Sensors 100K

95K

Cost includes Data Link

Shell

Solar Power Supply

Telemetry System

Thermal Design

Environmental Tests

Field Operations

640K

~~Cost figured at 8K per pound for~~

~~40-pound package 2 launches~~ 640K

Total Cost FY 61 for Code 5170 \$1,255K \$1,255K

Code 5430 Budge Estimate for FY61

Developmental Costs for 4 men for 6 months 40K

Major Procurements 50K

Intercept Station Instrumentation 20K

Total Cost FY 61 for Code 5430 \$210K \$ 310K

TOTAL COST OF ITEM 1 FOR CODES 5430 and 5170 \$1,566,000

*OF Satellite for February 1961 Launch.*

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BYEMAN-TALENT KEYHOLE-42 FAW  
CONTROL SYSTEMS JOINTLY

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ITEM 2. Probe Costs

Code 5170

First shot

Simple system measuring prf only

15 pounds at 5K per pound	75K
Development of new structure	30K

Second shot

Measuring particular target characteristics

30 pounds at 5K per pound	150K
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Third shot

Frequency different than second shot

30 pounds at 5 K per pound	150K
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Total Estimated FY 61 Costs for Code 5170	405K	405K
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Code 5430

Developmental Costs for 4 men for 6 months	40K
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Principal Experiment for Shot #1	35K
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Principal Experiment for Shot #2	75K
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Principal Experiment for Shot #3	50K
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Total Costs for Code 5430	200K	200K
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Total Costs for Codes 5430 and 5170 for Item 2		605K
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GRAND TOTAL OF ITEMS 1 and ITEMS 2.....	\$1,970K
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