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Dr. Keady

DEPARTMENT OF THE INTERIOR AND RELATED
AGENCIES APPROPRIATIONS FOR 1959

HEARINGS
BEFORE A
SUBCOMMITTEE OF THE
COMMITTEE ON APPROPRIATIONS
HOUSE OF REPRESENTATIVES
EIGHTY-FIFTH CONGRESS
SECOND SESSION

SUBCOMMITTEE ON DEPARTMENT OF THE INTERIOR AND
RELATED AGENCIES

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(except Bonneville Power Administration, Bureau of Reclamation, Southeastern Power Administration, and Southwestern Power Administration)

Commission of Fine Arts

Federal Coal Mine Safety Board of Review

Forest Service

Indian Claims Commission

National Capital Planning Commission

Smithsonian Institution

Virgin Islands Corporation

Printed for the use of the Committee on Appropriations



WEDNESDAY, JANUARY 22, 1958.

SMITHSONIAN INSTITUTION

WITNESSES

DR. LEONARD CARMICHAEL, SECRETARY
 DR. J. L. KEDDY, ASSISTANT SECRETARY

SALARIES AND EXPENSES

Program and financing

	1957 actual	1958 estimate	1959 estimate
Program by activities:			
1. Management.....	\$81,010	\$83,000	\$83,000
2. Operation of—			
United States National Museum.....	1,770,049	2,726,219	4,336,315
Bureau of American Ethnology.....	61,891	61,135	61,135
Astrophysical Observatory.....	302,510	306,328	366,328
National Collection of Fine Arts.....	48,185	53,625	53,625
National Air Museum.....	120,156	128,517	128,517
Canal Zone Biological Area.....	30,274	37,066	37,066
International Exchange Service.....	87,513	77,933	77,933
3. General services:			
Maintenance and operation of buildings.....	1,442,364	1,748,044	1,492,948
Other general services.....	467,562	718,133	718,133
Total obligations.....	4,411,514	6,000,000	7,355,000
Financing:			
Unobligated balance no longer available.....	13,486		
Appropriation (new obligational authority).....	4,425,000	6,000,000	7,355,000

Object classification

	1957 actual	1958 estimate	1959 estimate
SMITHSONIAN INSTITUTION			
Total number of permanent positions.....	631	733	845
Full-time equivalent of all other positions.....	8	6	6
Average number of all employees.....	613	686	788
Number of employees at end of year.....	628	705	800
Average GS grade and salary.....	6.0 \$4,970	6.2 \$5,004	6.3 \$5,014
Average salary of ungraded positions.....	\$3,778	\$3,816	\$3,750
01 Personal services:			
Permanent positions.....	\$2,797,817	\$3,196,967	\$3,642,682
Positions other than permanent.....	37,607	30,000	30,000
Other personal services.....	32,191	40,100	52,100
Total personal services.....	2,867,615	3,267,067	3,724,782
02 Travel.....	35,026	40,725	52,525
03 Transportation of things.....	53,313	57,775	61,450
04 Communication services.....	36,484	46,400	52,830
05 Rents and utility services.....	138,671	202,290	167,470
06 Printing and reproduction.....	150,060	173,835	184,760
07 Other contractual services.....	251,101	497,345	653,010
08 Supplies and materials.....	145,928	136,410	172,590
09 Equipment.....	242,345	506,983	1,440,353
11 Grants, subsidies, and contributions.....	0	189,600	189,600
13 Refunds, awards, and indemnities.....	642		
15 Taxes and assessments.....	4,970	5,600	5,600
Total, Smithsonian Institution.....	3,926,155	5,190,000	6,705,000

Object classification—Continued

	1957 actual	1958 estimate	1959 estimate
ALLOCATION TO GENERAL SERVICES ADMINISTRATION			
02 Travel.....	\$65	\$100	\$100
03 Transportation of things.....	291	300	300
04 Communication services.....	1	50	50
06 Printing and reproduction.....	3,478	5,000	4,500
07 Other contractual services.....	78,720	150,000	125,000
08 Supplies and materials.....	408	500	500
10 Lands and structures.....	402,396	654,050	519,550
Total, General Services Administration.....	485,359	810,000	650,000
Total obligations.....	4,411,514	6,000,000	7,355,000

MR. MAGNUSON. Do you have a prepared statement, Dr. Carmichael?

MR. CARMICHAEL. I have a statement that I would like to make orally, if I may.

MR. MAGNUSON. Proceed.

GENERAL STATEMENT

MR. CARMICHAEL. As you know, 112 years ago the basic charter of the Smithsonian provided that the Institution was to be concerned with "the increase and diffusion of knowledge among men."

This statement now, as in the past, is our guide. During more than a century in following this charter it has been required that the Institution preserve and organize for all American citizens the great collections that are committed to its charge. The display in an appropriate and modern manner of many of these national treasures is thus a central part of our work. Not a few of these exhibits are unique. They are educationally important, and are calculated to assist American citizens in gaining a proper understanding of their country and especially of the science and technology that in the past have done so much to make our Nation great and that now must continue to make it strong.

The Smithsonian conducts fundamental investigations in a number of clearly defined and strictly limited scientific and scholarly fields. For the most part these studies are related to the great collections of the Institution. The Smithsonian publishes the results of investigations and serves as a world clearinghouse for the exchange of scientific literature. During the last fiscal year 4,841,818 visitors came to our buildings on the Mall. During the last calendar year, showing our rate of increase, the comparable number of visitors was 5,200,000. This is an increase of 580,000 as compared with the preceding calendar year. If all Smithsonian units are included, last year a total of almost 10 million people came from every State of the Union and indeed from the rest of the world to visit the Institution.

Each week hundreds of scientists from universities, research organizations, and other Government bureaus come to the Smithsonian for scientific work and for information that cannot be secured elsewhere. It is important that our study collections which are basic for this work be maintained in an effective and up-to-date manner. In number of objects the Smithsonian Institution is now probably the world's largest museum. This means that our great research collections in geology, zoology, botany, anthropology, and related fields are of out-

standing scientific importance and must be properly maintained and made available for the scientists who use them. Last year a total of 251,408 requests for information concerning many phases of science and of American life came to the Institution and were answered by our experts. This was an increase of over 44,000 inquiries over the previous year.

This year we are requesting you to provide funds to allow the continuation of this great and largely unique work which is set forth in the typed justification that is before you. The table on page 4 of this justification summarizes the details of the request that we are making. In comparison with last year you will notice in this table that we are asking for a decrease in one item and an increase in only one general activity. In all other items we are not making any request for a change in the appropriation as allowed to the Smithsonian for the current year.

May I deal with the decrease first: We are requesting a total of \$255,096 less than that granted in the 1958 appropriation for the rehabilitation of our older buildings. The reason for this decrease is that we have decided not to request added funds for rehabilitation items of the National History Building at this time for, as you know, wings for this building are now being planned under a specific appropriation granted by the Congress.

An increase is requested in the appropriation for salaries and expenses for the Museum of History and Technology in the amount of \$1,604,596. This additional amount is necessary, we are convinced, after careful study, in order to get ready for the opening of the new Museum of History and Technology building. As you know, this building, funds for the construction of which have already been made, will be a most notable museum structure. As pointed out in previous years, however, the work of preparing exhibits for this new building must be done now if the building is to serve its great function when it is opened.

All of the additional funds requested in our 1959 budget, therefore, will be expended for the necessary services, supplies, materials, and equipment that are required if this new building is to be the effective, modern museum that it should be when it is opened. The details of these required expenditures are in the justification before you. No two exhibits in a great modern museum can be exactly alike. Each must be specifically planned, and then laboriously constructed, often for individually designed display cases, by the hand labor of individuals who have specialized knowledge and many types of unusual skills. Museum practice throughout the world recognizes that ordinarily at least 2 years of work are required for the completion of each large new exhibit unit. I am tempted to say here that for a good many years, particularly since World War II we have lagged behind the rest of the world in our great national museums. All over the world large sums of money have been spent on the development of national museums because it seems to be recognized everywhere that a proper national museum is a very significant factor in the development of national morale.

We are therefore now actively engaged and must continue to work as hard as we can until the very day of opening of the new building in preparing the specialized exhibits that are its basic reason for ex-

istence. We must make these unit exhibits now and in the months ahead and store them, so that when the new building is ready, we can, as it were, take them out of the refrigerator and in a relatively few days put them in their proper places when the new building is ready to receive them.

Our requested appropriation also provides at the same level as last year for a continuation of our program for the needed renovation of certain exhibits in our older buildings. This work is also most important, for it is gradually allowing us to catch up and display our national collections in a modern and effective way. Our increase in number of visitors has demonstrated the great interest of our citizens in our modernized displays.

We believe that the Smithsonian Institution can help the millions of visitors who come to its buildings each year to know more about our Nation and the basis of its economy. The proper exhibition of our great collections in science and technology, for example, can arouse the kind of interest in hundreds of thousands of high-school students that is important in stimulating in them the informed curiosity that is so necessary in the serious study of science and engineering. The real study of science requires hard work and in our free society this kind of brainwork is best done by students who have had a chance to see in a concrete way what science and technology have done for our Nation in the past.

We do hope that you will allow us to continue this constructive work as indicated in the justification before you so that the Smithsonian may each year be more and more useful to the citizens of our entire country.

May I say at this time how grateful the regents and staff of the Smithsonian Institution are that your committee has made possible the notable forward development of the Smithsonian that has taken place in recent years.

We will be glad to try to answer any questions that you may wish to ask. Thank you very much.

Mr. MAGNUSON. Thank you, Dr. Carmichael.

I want to assure you that I am—and I am sure all other members of this subcommittee are in complete agreement with you as to the importance and significance of this great museum.

Seven million three hundred and fifty-five thousand dollars is requested for "Salaries and expenses," an increase of \$1,355,000 over this year.

JUSTIFICATION OF THE ESTIMATE

We will insert pages 1 and 2; 5 through 15 and page 17, in the record at this point. Please insert also a special statement giving us a breakdown on year 1958 funds and 1959 estimate for the Museum of History and Technology.

(The matter referred to follows:)

SMITHSONIAN INSTITUTION 1959 GENERAL STATEMENT

During the fiscal year 1959, the Smithsonian Institution will continue the following programs: (1) preservation for the American people of their irreplaceable national collections, the attractive exhibition of these treasures, and furnishing information relating thereto; (2) continuation of its fundamental researches; (3) publication of the results of these investigations; and (4) the

international exchange of scientific literature. The basic concerns of the Institution are to conduct its special researches and services with full regard for the ever-widening horizons of modern science; to meet increasing demands for authentic scientific data by Congress, by other Federal agencies and scientific institutions, and by the public; to continue preparations so that the Museum of History and Technology, when opened to the public, will dramatize in a superlative way the rise of American civilization; and to carry on the long-term programs of renovating exhibits and rehabilitating the present buildings. The Institution is also engaged in planning for the authorized additions to the Natural History Building and for urgently needed additional buildings, including a National Air Museum, a Smithsonian Gallery of Art, and a National Portrait Gallery.

SALARIES AND EXPENSES

The 1959 base

The 1958 appropriation for "Salaries and expenses" of the Smithsonian Institution totaled \$6 million. Of this total, \$1,118,835 is nonrecurring. Consequently the 1959 base for this appropriation is \$4,881,165. This amount includes \$3,267,067 for personal services, which provides for a maximum staff of 680 permanent employees, and \$1,614,098 for other obligations.

The 1959 increases

In order to meet requirements for the fiscal year 1959, the Smithsonian Institution requests for "Salaries and expenses, Smithsonian Institution" an increase over the 1959 base amounting to \$2,473,835 as follows:

1. 01 Personal services (all activities): \$12,000, for regular pay above 52-week base;
2. United States National Museum: \$2,260,096, for renovation of exhibits (\$610,500); for continuing the staffing and equipping of the Museum of History and Technology (\$1,649,596);
3. Maintenance and operation of buildings: \$201,739, for rehabilitation of exhibition buildings (\$58,000); for improving building services (\$143,739).

SMITHSONIAN INSTITUTION

Salaries and expenses—Analysis by activities

Activity	1958	Deductions	Additions	1959
1. Management.....	\$83,000	0	0	\$83,000
2. Operation of—				
United States National Museum.....	2,726,219	\$650,000	\$2,260,096	4,336,315
Bureau of American Ethnology.....	61,135	0	0	61,135
Astrophysical Observatory.....	366,328	0	0	366,328
National Collection of Fine Arts.....	53,625	0	0	53,625
National Air Museum.....	128,517	0	0	128,517
Canal Zone biological area.....	37,066	0	0	37,066
International Exchange Service.....	77,933	0	0	77,933
3. General services:				
Maintenance and operation of buildings.....	1,748,044	468,835	1,213,739	1,492,948
Other general services.....	718,133	0	0	718,133
Total.....	6,000,000	1,118,835	2,473,835	7,353,000

¹ Includes \$12,000 for additional day's pay for all salaries and expenses.

JUSTIFICATION OF INCREASES—UNITED STATES NATIONAL MUSEUM

RENOVATION OF EXHIBITS

For 1954, the Congress appropriated funds to initiate a program of revitalizing the exhibits in the United States National Museum. For each year since 1954 funds have been appropriated to continue this necessary improvement at a steady rate. For 1958 the sum of \$605,000 was appropriated.

The schedule below shows the status of work on the halls included in the renovation-of-exhibits program.

Completed and opened to the public by the end of fiscal year 1957:

1. First Ladies Hall
2. One American Indian Hall

3. North American Mammals Hall
4. Latin American Archeology Hall
5. Bird Hall
6. American Cultural History Hall
7. Power Machinery Hall

To be completed and opened to the public by the end of fiscal year 1958:

1. The second American Indian Hall
2. Health Hall
3. Printing Arts Hall
4. Gems and Minerals Hall
5. Textiles Hall
6. World of Mammals Hall (construction completed)

During fiscal year 1958 drawings will be finished and contracts awarded for the following halls:

1. The first North American Archeology Hall
2. Fossil Fishes and Amphibians Hall
3. Fossil Plants and Invertebrates Hall
4. Agriculture Hall
5. Historical Persons Hall

For 1959, the United States National Museum requires \$610,500 for the renovation of exhibits as follows:

07 Other contractual services

1. Renovating the second Hall of North American Archeology-----	\$175, 100
2. Renovating Hall of Prehistoric Mammals-----	158, 900
3. Renovating Hall of Medical and Dental History-----	92, 500
4. Renovating Hall of Numismatics-----	130, 000
5. Completing 1958 projects and preparing collections for 1960 and 1961 projects -----	54, 000
	610, 500

MUSEUM OF HISTORY AND TECHNOLOGY

The Smithsonian Institution was directed by the act of June 28, 1955 (69 Stat. 189), to design and construct a Museum of History and Technology, and has been granted appropriations totaling \$36 million for this purpose.

In order to continue preparations for the opening of this building to the public in 1962 as the outstanding museum which the Congress expects it to be, the United States National Museum requires in 1959 an additional amount of \$1,649,596 for personal services and other obligations.

01 Personal services

The United States National Museum requires 70 new positions (net) in 1959, estimated to cost \$318,586 over the 1959 base. This will provide 19 additional museum curators, museum aids, and stenographers to perform the added work of preparing the collections and directing the design of exhibits for the Museum of History and Technology, and 51 exhibits designers and constructors to design and construct exhibits, involving work on a total of 32 exhibit halls.

02 Travel

The United States National Museum requires in 1959 an increase over the 1959 base amounting to \$5,800 for travel.

Of this amount, \$4,500 is required to send curators to examine historical objects and collections offered to the museum, to consult with collectors about future gifts, to study the collections and preservation practices of other museums, and to consult experts in museum planning. The sum of \$1,300 is required to send exhibits specialists and planning personnel to consult with architects, museum-planning consultants, and exhibits and taxidermy contractors, and to examine recent exhibits construction in other museums and expositions.

03 Transportation of things

The United States National Museum requires in 1959 an increase over the 1959 base amounting to \$3,675 for transportation of collections and objects for the new museum. These include historical furniture, period-room interiors,

engines, and historical scientific apparatus being assembled for the Museum of History and Technology.

06 *Printing and reproduction*

The United States National Museum requires in 1959 an increase over the 1959 base amounting to \$10,955 for printing labels for the new exhibits.

07 *Other contractual services*

The United States National Museum requires in 1959 an increase over the 1959 base amounting to \$401,000 for contractual services of specialists to prepare collections and exhibits which cannot be undertaken by museum staff. These services will provide for designing and constructing certain exhibits; for designing specialized exhibits fixtures and equipment; and for renovating and repairing vehicles, machines, weapons, furniture, costumes, uniforms, instruments, period rooms, documents, and models.

08 *Supplies and materials*

The United States National Museum requires an increase over the 1959 base amounting to \$36,150 for the purchase of supplies to be used in preparing exhibits and collections. These include hardware, lumber, wallboard, paints, brushes, metal stock, fumigants, and artists' supplies.

09 *Equipment*

The United States National Museum requires in 1959 an increase over the 1959 base amounting to \$873,400 for the purchase of exhibition cases and exhibition fixtures to be used as integral parts of the exhibits to be constructed in 1959. It is necessary to construct these exhibits in 1959 in order to continue the schedule of exhibit construction which will assure that the exhibits will be ready for the new building when it is completed.

MAINTENANCE AND OPERATION DIVISION

The Division of Maintenance and Operation requires for 1959 a net increase over the 1959 base amounting to \$201,739 to cope with the extremely heavy additional workload resulting from the expansion of the Institution's programs and substantial annual increase in the number of visitors to the exhibition buildings.

01 *Personal services*

The sum of \$127,129 for 34 additional positions (net) is required to maintain effectively the extensive improvements resulting from the long-term programs for modernization of exhibits and rehabilitation of buildings and to keep the building interiors, windows, and the glass of exhibit cases clean. Additional positions include carpenters, painters, electricians, sheet-metal workers, mechanics, and laborers needed to meet the rapidly increasing maintenance and operation workload resulting from the enlargement of the scientific staff; the modernization of exhibits; the rehabilitation of buildings; the alteration and improvement of existing office, laboratory and storage space; and the tremendous increase in the number of visitors to our exhibits buildings.

As scientific personnel are added to the Institution's staff to develop the Museum of History and Technology, a great variety of additional work must be performed by the mechanical staff of the Institution. This work includes converting storage and shop space into office or laboratory space; altering and improving existing office and storage space; relocating partition walls; plastering, painting, and finishing new walls and ceilings; reallocating or installing additional electric, gas, steam, ventilation, and water services; and moving and installing office furniture, files, and cases.

In the course of contracting for exhibits renovation and building rehabilitation projects, considerable supplementary work must be performed by the Institution's operation and maintenance staffs prior to, during, and after completion of contractual work. This supplementary work includes preliminary clearing of the project site; moving equipment, supplies, boxes, exhibit cases, and furniture; assembling, installing and maintaining special equipment; erecting temporary structures to facilitate daily operations; installing temporary ramps, partitions, or barriers to prevent accidents or injury to public and staff; relocating, removing or installing gas, steam, water, or electric services; painting some 20,000 square feet of exhibition case interiors per year; plastering, finishing, and painting alterations and improvements; replacing floor coverings; installing improved

lighting; replacing annually an average of 4,000 burned-out lighting units in the Institution's modernized lighting system; maintaining new ventilating and heating equipment; and operating and maintaining protective air-conditioning systems. For these purposes 18 wage-board employees are required.

Floor cleaning in the Smithsonian, arts and industries, aircraft, natural history, and Freer Gallery of Art buildings has become a major problem because visitor attendance during the past 12 months total over 5,200,000, representing an increase of 49 percent over the corresponding period in 1953. Funds have never been appropriated for floor cleaners in the Smithsonian, arts and industries, and aircraft buildings which have 399,457 square feet of floorspace. In attempting to cope with the problem, several adjustments were made in the assignments of both day and night labor forces, but these attempts to solve the problem have been entirely unsatisfactory and inadequate. Considering the tremendous traffic of tens of thousands of visitors through these buildings daily and the fact that only 1 cleaner is available per 28,000 square feet, the present makeshift arrangements are obviously inadequate. Eight additional night laborers are therefore required.

The Institution's buildings have 302,000 square feet of glass to be cleaned regularly, including 86,400 square feet of windows and 215,600 square feet of exhibition cases (inside glass). Funds have never been provided to hire laborers to do this glass cleaning work which is considered to be equally as important as floor cleaning. Seventy percent of the windows must be cleaned from scaffolding and 20 percent from extension ladders. The inside glass of sealed exhibition cases requires cleaning at least twice a year as it becomes blurred from turpentine fumes given off by the interior paints or varnishes. This work is necessarily a slow operation as the laborers frequently must remove or shift large numbers of specimens before they can reach the interior glass to clean it. Based on the experience of the Public Buildings Service and pilot jobs conducted by the Institution, the Maintenance and Operation Division requires eight laborers for glass cleaning.

04 *Communication services*

The Maintenance and Operation Division requires for 1959 an increase over the 1958 base amounting to \$6,430 for communication services. During the past fiscal year, the Institution's modernization, rehabilitation, and building programs and the rapid growth in the staff of the Museum of History and Technology have imposed an exceedingly heavy additional workload on the switchboard. This has resulted in serious loss of staff time in trying to place outside calls. Numerous complaints about the poor switchboard service also were received from incoming callers. To correct this serious development, a new panel was installed on the board. The increase requested provides \$5,704 for rental and operational charges connected with the additional switchboard panel installed this year and for new telephone installations and \$726 for increased service charges on existing equipment.

05 *Rents and utility services*

The Maintenance and Operation Division requires for 1959 an increase over the 1958 base amounting to \$10,180 for rents and utility services. The sum of \$7,400 is needed to meet the increased cost of electricity resulting from the modernization of 12 exhibition halls and rehabilitation of laboratory, shop, and office areas which will require additional lighting fixtures, electrical equipment and machinery, power-driven exhibits, and ventilating equipment.

The sum of \$2,780 is needed to meet the increased cost of gas required to heat 4 of the 15 storage buildings at Suitland, Md., and for the increased cost of steam in the Natural History building.

07 *Other contractual services*

The building rehabilitation program for 1959 has been substantially curtailed below that for 1958 because of the deletion of all natural history building rehabilitation items. These items will be considered for inclusion in the proposed construction appropriation, fiscal year 1960, to provide funds for the addition of wings to and reconditioning of the natural history building.

To continue the long-term rehabilitation of buildings program on this curtailed basis, the Maintenance and Operation Division proposes the following projects for the fiscal year 1959 amounting to \$58,000:

Project No. 1. Smithsonian building (1852).—The sum of \$23,000 is requested for rehabilitating floors and replacing floor coverings in the office and corridor

areas of the Smithsonian building. The wooden flooring approximates 40,000 square feet, of which 75 percent is covered with asphalt tile. This flooring, after many decades of use, has deteriorated so badly that it must now be replaced and covered with new vinyl asbestos tile.

Project No. 2. Arts and industries building (1881).—The sum of \$20,000 is requested to rehabilitate the outside area along the south side of the arts and industries building. This includes reconstruction of the sidewalk. It is proposed to wall in the old coal vaults and shop areas beneath the existing sidewalk, fill the vacant area with bank gravel, and reconstruct the sidewalk on a solid foundation. The completion of this work will eliminate the hazard now existing in the cracked, broken, and failing sidewalk and the possibility of a cave-in of the sidewalk over the vaults.

Project No. 3. Suitland storage facility (1952).—The sum of \$15,000 is requested for constructing concrete ramps in front of 6 of the storage buildings at Suitland, Md.

Record of visitors to Smithsonian buildings

	Fiscal year 1953	Fiscal year 1954	Fiscal year 1955	Fiscal year 1956	Fiscal year 1957
July.....	390,134	419,482	457,892	430,956	601,034
August.....	475,102	448,956	490,035	448,023	660,567
September.....	230,383	236,688	280,063	267,580	301,907
October.....	208,582	275,134	229,695	253,411	265,148
November.....	158,983	170,560	170,560	201,934	230,270
December.....	105,874	124,846	115,802	128,472	149,651
January.....	146,105	130,717	139,615	145,069	151,163
February.....	163,545	189,270	150,023	187,426	228,872
March.....	196,630	203,634	237,726	327,417	314,136
April.....	535,778	585,956	585,916	667,752	726,290
May.....	447,739	513,626	551,820	597,566	661,857
June.....	370,520	300,012	454,496	489,999	550,923
Total.....	3,429,375	3,658,881	3,895,017	4,145,591	4,841,818

MUSEUM OF HISTORY AND TECHNOLOGY

Personal services

	1958 estimate		Increase over 1958		1959 estimate	
	Number	Total salary	Number	Total salary	Number	Total salary
OFFICE OF ASSISTANT DIRECTOR AND EXHIBITS						
GS-16, museum director.....	1	\$12,900	-----	0	1	\$12,900
GS-14, exhibits director.....	1	10,320	-----	0	1	10,320
GS-13, architect.....	1	8,990	-----	0	1	8,990
GS-13, museum specialist.....	1	9,205	-----	0	1	9,205
GS-12, exhibits designer.....	1	7,570	-----	0	1	7,570
GS-12, exhibits specialist.....	0	0	1	\$7,570	1	7,570
GS-11, exhibits specialist.....	2	12,995	-----	0	2	12,995
GS-11, publications writer.....	1	6,390	-----	0	1	6,390
GS-11, administrative assistant.....	1	6,390	-----	215	1	6,605
GS-10, exhibits specialist.....	1	6,725	-----	0	1	6,725
GS-9, script writer.....	1	5,440	-----	0	1	5,440
GS-9, illustrator.....	1	5,845	-----	135	1	5,980
GS-9, exhibits specialist.....	2	11,150	-----	270	2	11,420
GS-9, lighting specialist.....	1	5,440	-----	0	1	5,440
GS-9, exhibits maintenance specialist.....	0	0	3	16,320	3	16,320
GS-9, exhibits designer.....	6	32,640	11	76,970	20	109,610
GS-7, exhibits specialist.....	0	0	15	67,875	15	67,875
GS-7, exhibits designer.....	4	18,100	-----	540	4	18,640
GS-7, exhibits worker.....	21	99,480	-----	2,430	21	101,910
GS-6, secretary.....	1	4,215	-----	135	1	4,350
GS-5, exhibits worker.....	29	110,075	-----	3,645	29	113,720
GS-5, exhibits technician.....	0	0	10	36,700	10	36,700
GS-4, clerk-stenographer.....	5	17,585	4	14,000	9	31,585
GS-4, exhibits worker.....	3	10,500	-----	255	3	10,755
GS-3, clerk-typist.....	1	3,175	4	12,785	5	15,960
WB-3, laborer.....	2	6,116	2	5,969	4	12,085
Total permanent.....	87	411,246	53	245,814	140	657,060

Personal services—Continued

	1958 estimate		Increase over 1958		1959 estimate	
	Number	Total salary	Number	Total salary	Number	Total salary
DEPARTMENT OF SCIENCE AND TECHNOLOGY						
GS-14, museum curator.....	1	\$10,320		\$215	1	\$10,535
GS-13, museum curator.....	4	37,250		215	4	37,465
GS-11, museum curator.....	4	25,560		645	4	26,205
GS-9, museum curator.....	5	29,090	1	5,710	6	34,800
GS-7, administrative assistant.....	1	4,930		135	1	5,065
GS-7, museum aid.....	1	5,335		135	1	5,470
GS-5, cataloger.....	1	3,805		135	1	3,940
GS-5, museum aid.....	5	18,550	3	11,565	8	29,915
GS-4, exhibits worker.....	1	3,925		0	1	3,925
GS-4, clerk-stenographer.....	6	22,020		340	6	22,360
GS-3, museum aid.....	2	7,370		85	2	7,455
WB-9, instrument repairer.....	1	4,243		0	1	4,243
WB-3, laborer.....	0	0	1	2,912	1	2,912
Total, permanent.....	32	172,198	5	22,092	37	194,290
DEPARTMENT OF ARTS AND MANUFACTURES						
GS-14, museum curator.....	1	10,320		0	1	10,320
GS-13, museum curator.....	1	10,280		0	1	10,280
GS-11, museum curator.....	1	7,465		215	1	7,680
GS-9, museum curator.....	3	17,535	2	11,150	5	28,685
GS-7, museum curator.....		0	1	4,525	1	4,525
GS-5, secretary.....	1	3,670		135	1	3,805
GS-5, museum aid.....	3	11,280	2	7,745	5	19,025
GS-4, clerk-stenographer.....	3	10,585	1	3,670	4	14,255
Total, permanent.....	13	71,135	6	27,440	19	98,575
DEPARTMENT OF CIVIL HISTORY						
GS-14, museum curator.....	1	10,320		0	1	10,320
GS-13, museum curator.....	1	8,990		0	1	8,990
GS-11, museum curator.....	3	19,600		645	3	20,245
GS-9, museum curator.....	1	5,440	1	5,575	2	11,015
GS-7, museum curator.....	5	23,840	1	5,065	6	28,905
GS-5, museum aid.....	3	11,685	2	7,745	5	19,430
GS-5, museum curator.....	1	3,670		135	1	3,805
GS-5, secretary.....	1	3,670		135	1	3,805
GS-4, exhibits worker.....	1	3,130		85	1	3,215
GS-4, clerk-stenographer.....	3	10,755		255	3	11,010
GS-3, museum aid.....	1	3,175		85	1	3,260
GS-3, clerk-typist.....	1	3,260		85	1	3,345
Total, permanent.....	22	107,535	4	19,810	26	127,345
DEPARTMENT OF ARMED FORCES HISTORY						
GS-14, museum curator.....	1	10,320		215	1	10,535
GS-12, museum curator.....	2	15,140		215	2	15,355
GS-11, museum curator.....	1	6,390		0	1	6,390
GS-7, museum curator.....	2	9,185	1	4,795	3	13,980
GS-5, museum aid.....	1	3,670	2	7,340	3	11,010
GS-5, secretary.....	0	0	1	3,670	1	3,670
GS-4, clerk-stenographer.....	2	7,170	1	3,585	3	10,755
GS-4, museum aid.....	1	3,515		85	1	3,600
GS-2, museum aid.....	1	3,215		85	1	3,300
Total, permanent.....	11	58,605	5	19,990	16	78,595
Total, permanent, museum of history and technology.....	165	820,719	73	335,146	238	1,155,865
Deduct lapses.....	32	175,810	3	16,560	35	192,370
Net permanent, MHT.....	133	644,909	70	318,586	203	963,495
Temporary employment.....		10,000		0		10,000
Regular pay above 52-week base.....		12,000		0		12,000
01 Personal services.....	133	666,909	70	318,586	203	985,495

¹ This amount is for all salaries and expenses.

Other obligations

	1958 estimate	Increase over 1958	1959 estimate
02 Travel.....	\$16,700	\$5,800	\$22,500
03 Transportation of things.....	16,325	3,675	20,000
05 Rents and utility services.....	45,000	(45,000)	0
06 Printing and reproduction.....	15,205	10,955	26,160
07 Other contractual services.....	160,500	401,000	561,500
08 Supplies and materials.....	30,820	36,180	67,000
09 Equipment.....	391,600	873,400	1,265,000
Total, other obligations.....	676,150	1,286,010	1,962,160
Total obligations.....	1,343,059	1,604,596	2,947,655

RENOVATION OF EXHIBITS

Mr. MAGNUSON. What progress can you report on the renovation of exhibits for which \$605,000 is available this year, and a similar amount is asked for 1959?

Mr. CARMICHAEL. We have made fine progress and have opened a number of new halls. I do not know whether you have had a chance to see any of them, but let me take a typical example. The new American Indian Hall was opened about a month and a half ago. We have had the most enthusiastic comments about this from educators and people who are concerned with the history of our country. It is a modern and effective hall using many objects that have been in storage and not available to be seen by our visitors for a long time. It may be of interest to you to know that an Indian tepee, one of the finest specimens in the world, when we got it out of storage to place it on exhibition, was still wrapped up in the Philadelphia newspapers of 1877, the year following the Centennial Exposition. It had been displayed at the Centennial and transferred to us. Countless things of this sort that ought to be available to the public are not now on display.

I can give you in detail the exact picture of all the halls that have been created this year and those that are to be worked upon if this appropriation is approved.

Mr. MAGNUSON. I am glad that you report good progress.

Mr. CARMICHAEL. We do. The reason that we have this increase of 500,000 visitors is because the news of this progress has gone all over the country. We have buses, you know, from far beyond the Mississippi, and from almost every State in the Union.

On one day last spring we went out and counted 110 Greyhound-type buses that had brought high-school students to visit our buildings.

MUSEUM OF HISTORY AND TECHNOLOGY

Mr. MAGNUSON. Doctor, you refer to the new Museum of History and Technology for which \$36 million has been appropriated. What is the status of planning and construction of that structure?

Mr. CARMICHAEL. Mr. Chairman, I have been in consultation with the General Services Administration and I can give you the tentative program. The temporary buildings on the designated site between 12th and 14th Street on Constitution Avenue are soon to be vacated. The contract for demolition of these buildings will be let in March or early April.

The contract for excavation and driving the piling will be let so that the work can begin in the coming summer and autumn. Final detailed working drawings, which are a major job as you know, will be completed by November 1. The contracts will be let presumably in December of 1958. Work on construction will start as soon as the contract is negotiated. The building will be completed in the calendar year 1961; that is fiscal year 1962.

Mr. MAGNUSON. Thank you.

ACCOMPLISHMENTS IN 1958

Please explain what is being accomplished this year with the large increase of \$1,343,059 available this year to prepare for this new museum.

Mr. CARMICHAEL. What we are doing with that money now?

Mr. MAGNUSON. Yes.

Mr. CARMICHAEL. Not what we will do if this appropriation were made?

Mr. MAGNUSON. That is right.

Mr. CARMICHAEL. We are doing what we hope to be allowed to do if additional appropriations were made. That is, we are constructing exhibits that are to go into the new building. We have a staff of experts that we have gradually brought together and trained ourselves, and they are working to put together exhibits in cases. The cases and the exhibits can then be put into storage until the building is completed. Then we can move the completed exhibits into the building when it is opened, and the visitors will be able to see the finished exhibits. This is a very detailed and a very complicated process.

NUMBER OF EMPLOYEES

Mr. MAGNUSON. How many people have you had to add to your staff for that purpose?

Mr. CARMICHAEL. Will you answer that, Dr. Keddy?

Mr. KEDDY. This year we are adding about 72 people.

Mr. MAGNUSON. Are you adding additional ones next year?

Mr. KEDDY. We are asking for 70 more. It is a progressive operation.

1959 INCREASE

Mr. MAGNUSON. You are asking for another \$1,604,596 in 1959 to continue the preparation for the opening. How will this increase be spent?

Mr. CARMICHAEL. In the same way we are spending it this year, which includes the preparation of the exhibits and the purchase of the cases.

Mr. MAGNUSON. These appropriations then are entirely apart from the appropriations for planning and construction?

Mr. CARMICHAEL. Yes, sir. The fact that these appropriations would be necessary has been explained in previous years. It was envisaged when the building was authorized that it would be necessary in this way to prepare the building for its ultimate use.

OPENING DATE OF NEW BUILDING

Mr. MAGNUSON. Did you say that you hoped to open the new building in calendar year 1961?

Mr. CARMICHAEL. The end of calendar 1961, fiscal 1962.

Mr. MAGNUSON. Have you postponed it?

Mr. CARMICHAEL. No, sir.

Mr. MAGNUSON. This was the original plan?

Mr. CARMICHAEL. Yes sir; that is the completion of the building. I cannot guarantee it. You can see that it is really a tremendously complicated matter and I hope that we will be able to open it then.

Mr. MAGNUSON. You have not changed your original plan as to opening it?

Mr. CARMICHAEL. Was that the original date in the legislation suggested at the hearing?

Mr. KEDDY. We are holding very closely to the original plan. That puts the burden on us to prepare for it, and it is a progressive operation. You cannot do this all in 1 year economically and efficiently.

Mr. CARMICHAEL. This is not something that can be done by turning suddenly to some outside organization that can do it for you. This is something that has to be done laboriously by people who have been gradually trained to do it.

Mr. MAGNUSON. It takes time?

Mr. CARMICHAEL. It takes a great deal of time.

NATURAL HISTORY BUILDING

Mr. MAGNUSON. What is the status of plans for the additions to the Natural History Building for which \$800,000 was appropriated this year?

Mr. CARMICHAEL. Those plans are progressing very well. The plans and elevations have been completed, presented to the Commission on Fine Arts, and approved with some enthusiasm, I think.

The location of the site has been approved by the National Capital Planning Commission.

Mr. MAGNUSON. What is the location? I have forgotten the exact location. Where is it?

Mr. CARMICHAEL. Those wings are to be added to our Natural History Building. It is on Constitution Avenue opposite 10th Street. It is the granite building with the dome. As you go west on Constitution Avenue you come first to the National Gallery of Art. Then there is an open space, and then there is this 50-year old Natural History Building. The wings are to be of the same architecture as planned and will be added to that building.

Mr. MAGNUSON. Dr. Fenton?

Mr. FENTON. I enjoyed hearing Dr. Carmichael and the fine work he is doing.

Mr. CARMICHAEL. Thank you, Dr. Fenton.





