American Museum of Natural History

OPEN FREE TO THE PUBLIC EVERY DAY IN THE YEAR

KEY TO BUILDING AND COLLECTIONS

1913 (THIRD EDITION)

American Museum of Natural History

Seventy-seventh Street and Central Park West, New York City

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EVERY
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THE MUSEUM FROM THE SOUTHWEST

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Plan of Building

r (East Corridor). Elevators

The halls are named according to the position they will have in the completed Museum building, which will consist of four long façades facing east, west, north and south respectively, each connected with the center of the quadrangle thus formed by a wing extending between open courts.

Cross Sections of Building

STORE ROOMS							STORE ROOMS			
LABORATORIES		ATTIC		LIBRARY AND OTHER STORE ROOMS			ATTIC		STORE ROOMS & LABORATORIES	
LABORATORIES		AND OFFICES , SCIENTIFIC DEPT'S		LIBRARY READING ROOM	ADMINISTRATIVE OFFICES & LIBRARY		DIRECTOR'S OFFICE	OFFICES AND LABORATORIES		SCIENTIFIC DEPT'S
SOUTH SEA ISLANDS ETHNOLOGY		MINERALS		GEMS	FOSSIL MAMMALS			FOSSIL MAMMALS		FOSSIL REPTILES & FISHES
CHINA AND SIBERIA ETHNOLOGY		SOUTH AMERICA, ARCHAEOLOGY		LOCAL BIRDS	MONKEYS, APES & BIRDS			MAMMALS AND CETACEANS		INSECTS
NORTH AMERICA, ARCHAEOLOGY		MEXICO AND CENTRAL AMERICA ARCHAEOLOGY		PUBLIC HEALTH	MAMMALS, ASTRONOMICAL CLOCK			LOCAL AND GENERAL MAMMALS		MAMMALS & REPTILES
PLAINS INDIANS ETHNOLOGY		WOODLAND INDIANS ETHNOLOGY		TEMPORARY EXHIBITS	MEMORIAL HALL METEORITES			JESUP COLLECTION OF NORTH AMERICAN WOODS		INVERTEBRATES
WORK		SHOPS AND STORE ROOMS		SHOWERS TOILET	STORE ROOMS		MEN'S TOILET	RESTAURANT	WORK SHOPS AND STORE ROOMS	

From Southwest Pavilion to Southeast Pavilion

	STORE ROOMS
STORE ROOMS	LABORATORIES
OFFICES AND LABORATORIES, SCIENTIFIC DEPTS	
PHILIPPINE ISLANDS ETHNOLOGY	SOUTH SEA ISLANDS ETHNOLOGY
RECENT SHELLS	CHINA AND SIBERIA ETHNOLOGY
AFRICA, ETHNOLOGY	NORTH AMERICA, ARCHAEOLOGY
INDIANS OF THE SOUTH WEST ETHNOLOGY	PLAINS INDIANS ETHNOLOGY
WORK SHOPS AND	STORE ROOMS

West Wing and Southwest Pavilion

	LABORATORY	STORE ROOMS	STORE ROOMS
	OFFICES AND LABORATORIES, SCIENTIFIC DEPTS		ADMINISTRATIVE OFFICES AND LIBRARY
	OFFICE	GEOLOGY AND INVERTEBRATE PALAEONTOLOGY	FOSSIL MAMMALS
	OFFICE	HABITAT BIRD GROUPS	MONKEYS APES AND BIRDS
	OFFICE	GENERAL BIRD COLLECTION	MAMMALS ASTRONOMICAL CLOCK
	SHIPPING ROOM	ESKIMO & N.W. COAST ETHNOLOGY	MEMORIAL HALL METEORITES
STORE ROOMS	STORE ROOMS	STORE ROOMS	STORE ROOMS
			READING ROOMS
			BUREAU INFORMATION
			MAIN ENTRANCE

From Central Pavilion to South Pavilion

Index

	<i>Location in Museum</i>	
Administrative Offices	Fifth Floor,	South Pavilion
Africa, Collections from.....	Second Floor,	West Wing
American Science, Pioneers of.....	First Floor,	South Pavilion
Amphibians	Second Floor,	South Pavilion
Amphibians and Reptiles of the Coal Era.....	Fourth Floor,	Southeast Pavilion
Ancient Monuments, Mexico and Central America.....	Second Floor,	Southwest Wing
Antiquity of Man in Trenton Valley.....	Second Floor,	Southwest Pavilion
Antiquity of Man in Europe.....	Second Floor,	Southwest Pavilion
Arizona Petrified Wood	First Floor,	Central Pavilion
Asia, Collections from.....	Third Floor,	Southwest Pavilion
Auditorium.....	First Floor,	Central Pavilion
Basketry	First Floor,	West Wing
Birds, Local.....	Second Floor,	West Corridor
Birds of North America (Habitat Groups).....	Third Floor,	South Central Wing
Birds of the World.....	Second Floor,	South Central Wing
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Building Stones.....	First Floor,	Central Pavilion
Bullfrog Group.....	Second Floor,	South Pavilion
Catlin Indian Paintings	First Floor,	Southwest Pavilion
Cave Dwellers of Europe.....	Second Floor,	Southwest Pavilion
Children's Room.....	Second Floor,	South Pavilion
Chinese Collection.....	Third Floor,	Southwest Pavilion
Cliff-dwellers of Utah, etc.....	First Floor,	West Wing
Copper-Queen Azurites and Malachites.....	Fourth Floor,	West Corridor
Darwin Hall.....	First Floor,	Southeast Pavilion
Demuth Collection of Pipes	First Floor,	West Corridor
Dinosaurs.....	Fourth Floor,	Southeast Pavilion

Index—Continued

Location in Museum

Elevators.....	All Floors,	East Corridor
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Evolution of Fishes, Amphibians, Reptiles.....	First Floor,	Southeast Pavilion
Evolution of Invertebrates.....	First Floor,	Southeast Pavilion
Evolution of Mammals.....	Fourth Floor,	South Central Wing
Evolution of the Horse.....	Fourth Floor,	Southeast Wing
Finback Whale Skeleton.....	Second Floor,	South Central Wing
Fishes, Recent.....	Second Floor,	Central Corridor
Fly, Enlarged Model.....	Third Floor,	West Corridor
Forestry, North American.....	First Floor,	Southeast Wing
Fort Lee Fossil Phytosaur.....	Fourth Floor,	Southeast Pavilion
Fossil Birds with Teeth.....	Fourth Floor,	Southeast Pavilion
Fossil Fishlike Lizards.....	Fourth Floor,	East Corridor
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Fossil Mammals (Horses, Camels, etc.).....	Fourth Floor,	Southeast Wing
Fossil Mammals (Mastodons, etc.).....	Fourth Floor,	South Pavilion
Fossil Marine Reptiles.....	Fourth Floor,	East Corridor
Fossil Reptiles and Fishes.....	Fourth Floor,	Southeast Pavilion
Gems and Precious Stones.....	Fourth Floor,	West Corridor
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Giant Salamander Group.....	Second Floor,	South Pavilion
Ground Sloth Group.....	Fourth Floor,	South Pavilion
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Horse Skeletons (Modern).....	Fourth Floor,	South Pavilion
Indians of California.....	First Floor,	West Wing

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Location in Museum

Indians of New York.....	First Floor,	Southwest Wing
Indians of South America.....	Third Floor,	Southwest Wing
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Indians of the North Pacific Coast.....	First Floor,	South Central Wing
Indians of the Plains	First Floor,	Southwest Pavilion
Indians of the Plateau Area.....	First Floor,	Southwest Wing
Indians of the Southwest.....	First Floor,	West Wing
Indians of the Woodlands.....	First Floor,	Southwest Wing
Information Bureau.....	First Floor,	South Pavilion
Insects.....	Third Floor,	Southeast Pavilion
Invertebrates.....	First Floor,	Southeast Pavilion
Invertebrate Palæontology	Fourth Floor,	South Central Wing
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Man, Prehistoric, from North America.....	Second Floor,	Southwest Pavilion
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Index—*Continued*

Location in Museum

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Parcel Checking Room.....	First Floor,	South Pavilion
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Philippine Collections.....	Fourth Floor,	West Wing
Polar Expeditions.....	First Floor,	East Corridor
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Public Health Exhibits.....	Third Floor,	West Corridor
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South American Anthropology.....	Third Floor,	Southwest Wing
South American Fossil Mammals.....	Fourth Floor,	South Pavilion
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Totem Poles.....	First Floor,	South Central Wing
Visitors' Room.....	First Floor,	Right of Entrance
Whales.....	Third Floor,	Southeast Wing
Woods, North American.....	First Floor,	Southeast Wing

First Floor

Some of the Chief Features, First Floor

SOUTH PAVILION—MEMORIAL HALL

Marble statue of Morris K. Jesup, a founder, trustee and benefactor of the Museum, and for twenty-seven years (1881-1908) its President

Marble busts of noteworthy pioneers of American Science

"Ahnighito" (Peary) meteorite, 36½ tons; Willamette meteorite, 15.6 tons

Sections showing meteoritic structure

EAST CORRIDOR

Maps of Polar Regions

Sledges that reached the North and South Poles

Seismograph (Passage to South Central Wing)

SOUTHEAST WING—FORESTRY

Jesup Wood Collection

Sargent watercolors

Reproductions in wax of foliage, flowers and fruits

Section of Big Tree

Section of Coast Redwood

Section of Douglas Spruce

SOUTHEAST PAVILION—DARWIN HALL

Bust of Darwin

Synoptic series of specimens and models illustrating the Classes of Animals

Models of Malaria Mosquito

Groups illustrating marine life

Tidal Marsh group

Marine Worm group

Record lobsters

Models in glass and in wax of Rhizopods, Sponges, Polyps and Bryozoans

Struggle for Existence group

Large Staghorn Coral

SOUTH CENTRAL WING—NORTHERN TRIBES

Haida canoe

Kwakiutl village

Totem poles

Chilkat blankets

Carvings in wood and ivory

Mural decorations by Frank Wilbert Stokes and Will S. Taylor

Some of the Chief Features, First Floor—*Continued*

CORRIDOR, SOUTH CENTRAL WING

Bust of Professor Bickmore	
Models, catching of salmon	Arizona petrified wood
Totem poles	American building stones

WEST CORRIDOR

Temporary Exhibits	Demuth collection of pipes
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SOUTHWEST WING—INDIANS OF THE WOODLANDS

Iroquois group	Pottery from Manhattan	Wampum
Quilled medicine bags	Birch bark records	Woven bags
Objects showing use of corn		Bark Canoes

SOUTHWEST PAVILION—INDIANS OF THE PLAINS

Tipi group	Sun Dance model	Catlin paintings
Art in quills and beads	Painted skins	Ceremonial bundles and charms

WEST WING—SOUTHWESTERN TRIBES

Models of Pueblo villages	Silver and turquoise objects	Cliff ruins
Apache house	Recent and prehistoric pottery	Hopi ceremonial objects
Navajo blankets	Recent and prehistoric basketry	

Some of the Chief Features, Second Floor

EAST CORRIDOR

Caribou skulls and antlers

SOUTHEAST WING—NORTH AMERICAN MAMMALS

Elk, or Wapiti	Musk-ox	Mountain Sheep group
Local-mammal groups	Peccary group	Walrus group
Moose group	Virginia Deer	Polar Bear
Bison group	Fur Seal group	Alaskan Brown Bear
Pronghorn Antelope group	Grant's Caribou group	Roosevelt Elk group
Peary Musk-ox group	Wild Boar group	

SOUTHEAST PAVILION

Occupied as a workroom for the preparation of a group of African elephants

SOUTH PAVILION—MAMMALS AND REPTILES

Water Monitor group	Bullfrog group	Elephant "Tip"
Florida Rattlesnake group	Salamander group	Right Whale skeleton

SOUTH CENTRAL WING—GENERAL BIRDS

Ptarmigan group (seasonal)	Labrador Duck	Birds of Paradise
Great Auk	Passenger Pigeon	Crested Cassique

Finback Whale Skeleton

Second Floor

Some of the Chief Features, Second Floor—*Continued*

CORRIDOR OF CENTRAL PAVILION—RECENT FISHES

Polyodon group

Evolution of Fishes

Deep-sea Fishes

WEST CORRIDOR

Local birds

Seasonal birds

Auduboniana

SOUTHWEST WING—ARCHÆOLOGY OF MEXICO AND CENTRAL AMERICA

LOUBAT COLLECTION:

Stele and Ceremonial Stones

Funeral urns

Gold, copper and jade articles

Terra cotta Warrior

Codices

SOUTHWEST PAVILION—ARCHÆOLOGY OF NORTH AMERICA

Antiquity of Man in New Jersey

Model of Serpent Mound in Ohio

Cache of flint discs

Cairns of British Columbia and Washington

Flint implements

Copper implements from Lake Superior region

Tower: European archaeology

WEST WING—ETHNOLOGY AND MAMMALS OF AFRICA

Iron implements; basketry, carvings, bead and shell work

Grant's Zebra group

Waterbuck

Hippo "Caliph"

Antelopes

Thomas' Gazelle

African Lion "Hannibal"

Transparencies and mural paintings

Third Floor

Some of the Chief Features, Third Floor

EAST CORRIDOR

Members' Room

Caribou skulls and antlers

SOUTHEAST WING—MAMMALS

Phylogeny of chief divisions of Mammals

Models of Sulphurbottom Whale and other Cetaceans

SOUTHEAST PAVILION—INSECTS

Local Insects

Economic series

Observation Hive of

Seventeen-year Cicada group

Evolution series

Migratory Butterflies

the Honey Bee

Termite nests

SOUTH PAVILION—PRIMATES AND BIRDS

Orang-utan group

Chimpanzees

Gorilla

Small bird groups

Right Whale skeleton

SOUTH CENTRAL WING—HABITAT GROUPS OF BIRDS

Groups are geographically as well as ornithologically accurate

WEST CORRIDOR

Public Health : Water supply and sewage disposal exhibits

Model of Fly

Models of bacteria

Insects and disease

Some of the Chief Features, Third Floor—*Continued*

SOUTHWEST WING—ANTHROPOLOGY OF SOUTH AMERICA

Peruvian gold and silver articles
Textiles

Quipus
Pottery

Trephined skulls
Mummy bundles

Musical instruments
Chilean "Mummy"

SOUTHWEST PAVILION—ASIATIC PEOPLES

Modern Chinese culture
Lamaistic masks

Ancient Chinese bronzes
Culture of the Siberian tribes

Ancient Chinese pottery (Han Dynasty)
Villages of Koryak and Gold tribes

WEST WING—CONCHOLOGY

Recent shells (150,000 specimens of 15,000 species)

Some of the Chief Features, Fourth Floor

EAST CORRIDOR

Ichthyosaurs Mosasaur Newly discovered fossils Pelé photographs and paintings

SOUTHEAST WING—FOSSIL MAMMALS

Irish Elk	Evolution of the Titanotheres	Pigmy Hippopotamus
Evolution of the Horse (in nature)	Evolution of the Uintatheres	Rhinoceroses
Evolution of the Camel	Giant Pigs	Plesiosaurus (reptile)

SOUTHEAST PAVILION—FOSSIL REPTILES AND FISHES

Brontosaurus	Diplodocus	Eryops	(Tower)
Allosaurus	Naosaurus	Fort Lee, N. J., Phytosaur	Dinichthys
Tyrannosaurus	Triceratops	Crocodiles and Turtles	Jaws of fossil Shark
Trachodon and "mummy"	Diadectes	Hesperornis (toothed bird)	Devonian "Aquarium"

SOUTH PAVILION—QUATERNARY MAMMALS

Domesticated Horse	Saber-tooth Tiger	Skeleton of Jumbo
Giant Ground Sloth group	Warren Mastodon	New Zealand Moa (bird)
Glyptodonts	Columbian Mammoth	

SOUTH CENTRAL WING—GEOLOGY AND INVERTEBRATE PALÆONTOLOGY

James Hall Collection of	Volcanic bombs from Mt. Pelé	Copper Queen Cave
Fossil Invertebrates	Fossilized tree stump from coal mine	Local rocks and minerals
Cave material (Calcite, Aragonite, Selenite) from near Chihuahua, Mex.		
Model of Copper Queen Mine—in course of construction

Fourth Floor

Some of the Chief Features, Fourth Floor—*Continued*

WEST CORRIDOR—MORGAN HALL OF GEMS

New accessions (southeast quarter of hall)

American (United States) Diamonds	Tourmalines	Copper Queen Azurites and Malachites
Beryls (Emeralds, Aquamarines and Morganite)	Topazes	Brazilian Amethysts
Sapphires (Corundums)	Garnets	Crystal Balls
	Kunzite	

SOUTHWEST WING—MORGAN HALL OF MINERALS

New accessions (entrance)

Graphites	Golds	Quartzes	Micas	Pyrites
Fluorites	Coppers	Stibnites	Calcites	Feldspars

Wall painting of Ely, Nev., copper mine

SOUTHWEST PAVILION—TRIBES OF THE PACIFIC ISLANDS

Tahitian Fire-walker	Maori warrior on jade boulder	(Tower)
Hawaiian Feather Capes	Melanesian masks	Tattooed Maori heads

WEST WING—ETHNOLOGY OF PHILIPPINE ISLANDS

Belt-weaving group	Model of tree-house	Iron weapons	Filters
Model of house	Woods, baskets and textiles	Moro outrigger	Leg-stocks

Fifth Floor

Fifth Floor

Administrative offices, Library and the offices and laboratories of the scientific departments.

THE LIBRARY contains more than 60,000 volumes devoted to the natural sciences. The reading room is located in the west corridor, and is open free daily from 9 A.M. to 5 P.M., except Sundays and legal holidays. A rack there contains current issues of many scientific periodicals.

THE STUDY COLLECTIONS of specimens are even more extensive and varied than the exhibition series and are more important to the scientific world. They are accessible to students and other interested persons on application to the head of the department concerned. Some of their more salient features are as follows :

Anthropology.—**ETHNOLOGY.**—On the attic floor of the west wing and the northwest pavilion there are thirty-three fire-proof store rooms containing the ethnological study collections of more than 100,000 catalogue numbers comprising extensive series for the Philippine Islands, Siberia, China, South Sea Islands, Africa, South Africa and the various culture areas in North America.

ARCHÆOLOGY.—In archæology there is a large type series of stone objects from the various States of the Union. Full collections from excavated sites in British Columbia, Washington State New York State, Kentucky, Arizona and New Mexico are here, together with a special series from the Trenton Valley. There is much material from Mexico, Peru and Bolivia.

The human skeleton material is chiefly from western States and South America. About two thousand crania have been classified and made available for study.

Geology and Invertebrate Palæontology.—GEOLOGY.—The study collections comprise, among other things, the Hitchcock series of rocks illustrating thirteen geological sections across the States of Vermont and New Hampshire; a complete set of duplicate specimens from the United States geological survey of the Fortieth Parallel; a series illustrating the early geological survey of Pennsylvania; a complete typical series of rocks and microscopic thin sections illustrating Rosenbusch's manual of petrography; large series of American rocks; a complete series typifying the rocks encountered in driving the Simplon tunnel, Switzerland; many ores and economic specimens.

INVERTEBRATE PALÆONTOLOGY.—Great numbers of fossil invertebrates, too numerous and varied to particularize, but representing many of the important groups.

Ichthyology and Herpetology.—ICHTHYOLOGY.—The collection of fishes comprises about 7,000 catalogued specimens, preserved in alcohol and kept in tanks and jars.

The fossil fish collection is one of the largest, if not the largest, in America, comprising about 10,000 catalogued specimens; it includes the Newberry, the Cope and several smaller collections.

HERPETOLOGY.—The collection of frogs, salamanders and reptiles numbers 9,000 specimens.

Invertebrate Zoölogy.—GENERAL INVERTEBRATES.—About 60,000 specimens of protozoans, sponges, polyps, starfishes, sea-urchins, worms, crustaceans, spiders, myriapods and chordates.

INSECTS.—(a) Local collection comprising insects known within fifty miles of New York City.
(b) General collection including more than 500,000 specimens, among them the types of many species.

SHELLS.—The chief Molluscan collections of the Museum, exclusive of fossils. About 15,000 species are represented, comprised for the most part of the Jay and Haines collections.

Mammalogy and Ornithology.—**MAMMALOGY.**—The study collection of mammals contains about 25,000 skins, skulls and skeletons. It is especially rich in South American forms. Mexico and the Arctic are well represented; from the latter region there is a large and unique series of the beautiful white Peary's caribou and of the Greenland musk-ox, comprising about 150 specimens. The collection of whales is likewise noteworthy.

Ornithology.—The study collection of birds consists of approximately 90,000 unmounted skins, about nine-tenths of which are from the Western Hemisphere, and several thousand nests and eggs. South America is chiefly represented by a large collection from Matto Grosso, Brazil, and extensive collections from Colombia; also smaller series from Ecuador, Peru, Venezuela and Trinidad.

From North America, there are important collections from Mexico, Nicaragua, California, Texas, Arizona and the Middle Atlantic States,—the Rocky Mountain region being most poorly represented. Of special collections, the George N. Lawrence and Maximilian collections are of special importance from the hundreds of type specimens which they contain.

Mineralogy.—Most of the mineral specimens are on exhibition, but the overflow from the public cases forms a study series of no mean proportions.

Public Health.—Living bacteria are maintained and distributed free to recognized laboratories.

Vertebrate Palæontology.—The study collections comprise about 15,000 catalogued specimens of fossil mammals, 6,000 fossil reptiles and amphibians and a few hundred fossil birds. Most of these are from the western United States. The collections of fossil horses, Eocene mammals and Cretaceous dinosaurs are unrivaled. The fossil rhinoceroses, camels, oreodonts, carnivora, Fayûm, Pampean and Patagonian mammals, Jurassic dinosaurs, Permian reptiles, turtles, etc., are likewise of the first rank. They include more than nine hundred type specimens of fossil mammals and several hundred type specimens of fossil reptiles and amphibians.

THE AMERICAN MUSEUM OF NATURAL HISTORY was established in 1869 to promote the Natural Sciences and to diffuse a general knowledge of them among the people, and it is in cordial coöperation with all similar institutions throughout the world. The Museum authorities are dependent upon private subscriptions and the dues from members for procuring needed additions to the collections and for carrying on explorations in America and other parts of the world. The membership fees are :

Annual Members.....	\$ 10	Patrons.....	\$ 1,000
Sustaining Members (Annual).....	25	Associate Benefactors.....	10,000
Life Members.....	100	Benefactors (Gift or bequest).	50,000
Fellows.....	500		

THE MUSEUM LIBRARY is open to the public for reference daily—Sundays and holidays excepted—from 9 A.M. to 5 P.M.

THE MUSEUM PUBLICATIONS are issued in seven series : The American Museum Journal, Annual Report, Anthropological Papers, Bulletins, Guide Leaflets, Handbooks and Memoirs. Information concerning their sale may be obtained at the Museum Library.

GUIDES IN THE STUDY OF EXHIBITS are provided on request by the Department of Public Education. Teachers wishing to bring classes should write or telephone the Department for an appointment, specifying the collection to be studied. Lectures to classes may also be arranged for. In all cases the best results are obtained with small groups of children.

STUDY COLLECTIONS are open to all persons desiring to examine specimens for special research. Applications should be made at the information desk.

THE MITLA RESTAURANT in the east basement is reached by the elevator and is open from 12 to 5 on all days except Sundays. Afternoon Tea is served from 2 to 5. The Mitla Room is of unusual interest as an exhibition hall, being an exact reproduction of temple ruins at Mitla, Mexico.

THE MUSEUM BUILDING and Manhattan Square on which it is located are the property of the City of New York. The city, furthermore, makes an annual appropriation toward the maintenance of the institution. That for the year 1913 is \$200,000, which is about 40% of the whole expenditure.

Scientific Departments

Director

FREDERIC A. LUCAS, Sc.D.

Geology and Invertebrate Palæontology

EDMUND OTIS HOVEY, A.B., Ph.D., Curator

Mineralogy

L. P. GRATACAP, Ph.B., A.B., A.M., Curator

Invertebrate Zoölogy

HENRY E. CRAMPTON, A.B., Ph.D., Curator

Ichthyology and Herpetology

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Woods and Forestry

MARY CYNTHIA DICKERSON, B.S., Curator

Books and Publications

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