

involved. All such devices must of course continue to have the supervision of museum guards, although their numbers may be reduced.

Protection against fire involves responsibility to the museum's visitors as well as to its collections, and security measures must conform to the regulations governing public safety. Fire detection devices to give early warning of fire problems are often installed in air-conditioning and ventilating systems.

Also a factor in public safety is the flooring, generally of reinforced concrete in the newer fireproof construction. Floors and their supporting walls should be designed to carry a weight of at least a half ton per square yard, allowing for the weight of the largest foreseeable number of visitors and for the assembly of a number of heavy objects (as, for example, in a museum of industry and technology).

In new construction, security is planned for in advance, by the use of fireproof building materials, and built-in, concealed protection and warning devices against theft, fire, and breakdowns in mechanical equipment.

Museum collections must be protected against gradual deterioration as well as against theft and fire. In addition to temperature, humidity, and dust control in the exhibit and storage areas, museum laboratories are equipped to use the newest technical and scientific processes in the study and preservation of museum materials.

2. EXISTING MUSEUM FACILITIES

As of mid-1965, there were 4,595 museum institutions listed with the American Association of Museums, distributed by city population and State, as follows:

Distribution by city population

Population:	Number
Over 500,000.....	547
100,000 to 499,999.....	614
50,000 to 99,999.....	372
10,000 to 49,999.....	1, 059
2,500 to 9,999.....	909
Under 2,500.....	1, 094

Distribution by State

State	Number	State	Number	State	Number
New York.....	443	Maine.....	93	Oklahoma.....	43
Massachusetts.....	373	Indiana.....	91	Utah.....	43
California.....	337	Maryland.....	90	Louisiana.....	41
Pennsylvania.....	243	District of Columbia.....	73	New Mexico.....	40
Ohio.....	203	New Hampshire.....	73	Arkansas.....	38
Connecticut.....	153	Colorado.....	72	Montana.....	34
Texas.....	147	Tennessee.....	64	South Dakota.....	33
Illinois.....	131	Georgia.....	62	Mississippi.....	30
Michigan.....	125	Arizona.....	61	West Virginia.....	27
Virginia.....	118	Washington.....	60	Alabama.....	26
Florida.....	115	Oregon.....	59	Wyoming.....	21
Kansas.....	109	Rhode Island.....	59	Hawaii.....	18
Wisconsin.....	106	Kentucky.....	58	Idaho.....	18
Missouri.....	104	Vermont.....	58	North Dakota.....	17
North Carolina.....	104	South Carolina.....	48	Alaska.....	14
New Jersey.....	103	Nebraska.....	46	Delaware.....	14
Minnesota.....	101	Iowa.....	45	Nevada.....	11