in 1831. It possesses a library and a cabinet of specimens. It has published the *Boston Journal of Natural History* (8vo, 1837- 1863), *Memoirs* (4t0, 1866, &c.) and *Proceedings* (1841, &c.j. The *Lyceum of Natural History,* New York, was incorporated in 1818 and has published *Annals* from 1823 (1824, &c.) and *Proceedings* (1870, &c.). In 1875 the name was changed to *New York Academy of Sciences,* A number of American naturalists and geologists, having held meetings in various cities between 1840 and 1847, resolved themselves at their Boston congress in the latter year into the *American Association for the Advancement of Science,* which was incorporated in 1874. Its object is "by periodical and migratory meetings to promote intercourse between American scientists.” It has published *Proceedings* (1849, &c.). The *National Academy of Sciences* was incorporated at Washington in 1863 with a view to making the knowledge of specialists available for the service of government. There are two classes of members, those in mathe­matics and physics and those in natural history. It has issued *Annuals* (Cambridge, 1865, &c.) and *Reports,* as well as *Memoirs* (1866, &c.). The *Academies of Sciences* at San Francisco (1853), St Louis (1856, incorporated 1857), and Chicago (1857, incorporated 1865) deserve special mention.

Among the remaining societies of a general scientific character are— *Albany Inst,* (1829), *Trans,* (1830-1893), *Proc.* (1873-1882). Ann Arbor, *Mich. Ac. of Sc,* (1894). Baltimore, *Maryland Acad. of Sc., Trans.* (1901). Boston, *Col. Soc, of Mass.* (1892), *Trans. Brooklyn Inst, of Arts and Sc.* Buffalo, *Soc, of Nat. Sc.* (1861), *Bull. Cincinnati, Soc. of Nat. Hist.* (1870), *Journal* (1878, &c.); *Cin. Museum Assoc.* (1881). Cleveland, *Acad. of Nat, Sc.* (1852), *Annals and Proc.; The Cleveland Society* [Archaeol. Inst. of America] (1895). Columbus, *Ohio State Acad. of Sc.* (1891), *Publ.* Des Moines, *Iowa Inst. of Sc. and Arts, Trans.* Hartford, *Sc. Soc.* (1896); formerly *Hartford Soc. of Nat. Sc.* (1885), *Bull.* (1902, &c.). Indianapolis, *Indiana Acad. of Sc.* (1885), *Proc.* (1891, &c.). Ithaca, *Amer. Phil. Assoc.* (1902). Lincoln, *Nebraska Acad, of Sc.* (1891), *Publ.* Los Angeles, *South California Acad. of Sc.* (1891), *Bull.* Madison, *Wisconsin Acad. of Sc, Arts and Letters, Trans,* (1870, &c.). Milwaukee, *Wisconsin Nat. Hist. Soc.* (1857), *Bull,* Minneapolis, *Minnesota Acad. of Sc., Bull.* (1873, &c.). *Minneapolis Acad. of Fine Arts* (1883), *Bull.* (1905). New Orleans, *Athenée Louicianais* (1876), *Comptes Rendus.* New York, *Amer. Inst. of the City of New York* (1829), *Journal* (1834), *Trans.* (1841, &c.); *Amer. Inst. for Sc. Research* (1904), *Proc.* and *Journal.* Portland (Maine), *Soc. of Nat. Hist.* (1850), *Proc.* (1862, &c.). Poughkeepsie, *Vassar, Brothers' Inst.* (1874), *Proc.* (1874, &c., 1876, &c.). *Rochester Acad. of Nat. Sc,* (1881) *Trans,* Salem (Mass.), *Essex County Nat. Hist. Soc.* (1833; now merged in the *Essex Institute)* published the *American Naturalist* (1867-1868), afterwards issued by the *Peabody Acad, of Science,* as well as *Proc.* (1856, &c.) and *Bulletin* (1869, &c.). San Francisco, *Tech. Soc. of the Pacific Coast* (1884), *Trans.* in *Journal of the Assoc. of Engineering Societies. Santa Barbara Society of Natural History* (1876), *Bull.* (1887). Sioux City, *Acad. of Sc. and Letters* (1887), *Proc.* (1903, &c.). Topeka, *Kansas Acad. of Science (*1868), *Trans.* Washington, *Phil. Soc. of Washington* (1871), *Bull.* (1874, &c.). Wilkes-Barré, *Wyoming Hist. and Geol. Soc.* (1858), *Proc.* and *Coll.*

France.—The *Institut de France* (see Academies), which includes five separate academies, stands at the head of all French societies. The *Société Philotechnique,* founded in 1795 and recognized as of public usefulness by a decree of 11th May 1861, had for its object the encouragement and study of literature, science and the fine arts; literary organ was an *Annuaire* (1840, &c.). The *Société d'En­couragement pour l'industrie Nationale* was founded in 1801 for the amelioration of all branches of French industry, and was recog­nized by the state in 1824; *Bulletin.* The *Académie Nationale, Agricole, Manufacturière, Commerciale* was founded by the duc de Montmorency in 1830, and offers prizes and medals, and brings out a *Bulletin* (1830, &c.). The *Association Française pour l'Avance­ment des Sciences* (1872), founded on the model of the British Asso­ciation, holds migratory meetings and publishes *Comptes rendus.* With it has been amalgamated the *Association Scientifique de France,* founded by Le Verrier in 1864.

The departmental societies are very numerous and active. The chief are the following: Abbeville, *Soc. d'Émulation* (1797), *Mém.* (1833, &C.L Agon, *Soc. d'Agr., Sc. et Arts* (1784), *Recueil* (1800, &c.). Aix, *Acad. des Sc., &c.* (1829), based on *Soc. des Amis de la Sc.* (1765), *Mém.* (1819, &c.). Alais, *Soc. Sc. et Litt.* (1868), *Bull,* (1868, &c.). Amiens, *Acad.,* based on *Soc. Litt.* (1750), *Mém.* (1835, &c.); *Soc. Linnéenne* (1838), *Mém.* (1866, &c.). Angers, *Soc. Acad, de Maine-et-Loire* (1857), *Mém.* (1857, &c.); *Soc. d'Agr., &c.* (1799), *Mém.* (1831, &c.); *Soc. Linn. de M.-et-L.* (1852), *Annales* (1853, &c.). Angoulême, *Soc. d'Agr., &c., de la Charente* (1803), *Annales* (1819, &c.). Annecy, *Soc. Florimontane* (1851), *Annales* (1851, &c.) and *Rev, Savoisienne* (1851). Apt, *Soc. Litt., Sc. et Art.* (1863), *Annales* (1865, &c.). Arras, *Acad.* (1737), *Mém.* (1818, &c.) and other publica­tions. Autun, *Soc. Éduenne* (1836), *Mém.* (1872, &c.) and other publications. Auxerre, *Soc. des Sc.* (1847), *Bull*. (1847, &c.). Avignon, *Acad. de Vaucluse* (formerly the *Lycée d'Agr., &c.,* 1801), *Mém.* (1804), *Documents* and *Cartulaires.* Bar-le-Duc, *Soc. des Lettres,* &c. (1870), *Mém.* (1871, &c.). Bayeux, *Soc, des Sc., Arts et B.-Lett.* (1841),

*Mém.* (1842, &c.). Beauvais, *Soc. Acad.* (1847), *Mém,* (1847, &c.), *Comptes Rendus* (1882, &c.). Belfort, *Soc. d'Emulation* (1872), *Bull.* (1872). Besançon, *Acad. des Sc., &c,* (1752; suppressed in 1793; re-established 1805), *Proc.-verb.* (1754, &c.), *Mém.* (1838, &c.); *Soc. d'Emulation* (1840), *Mém.* (1841, &c.). Béziers, *Soc. Arch., Sc.,* &c. (1834), *Bull.* (1836, &c.). Blois, *Soc. des Sc. et Lettres de Loir- et-Cher* (1832), *Mém.* (1833, &c.). Bordeaux, *Acad.* (1712 ; suppressed 1793; re-established 1816), *Actes* (1839, &c.); *Soc. Linn,* (1818), *Bull.* (1826-1829) and *Actes* (1830, &c.); *Soc, des Sc.* (1850), *Mém,* (1855, &c.). Boulogne, *Soc, Acad.* (1864), *Mém.* (1864, &c.). Bourg, *Soc. d'Emulation* (1755), *Journal* (1817-1868) and *Annales* (1868, &c.). Bourges, *Soc, Hist.,* &c., *du Cher* (1849), *Mém.* (1857, &c.). Brive la Gaillarde, *Soc, Sc., Hist. et Archéol.* (1878), *Bull,* (1879, &c.). Caen, *Acad.* (1652), *Rec.* (1731-1816), *Mém,* (1825); *Soc. Linn.* (1823), *Mém.* (1824, &c.), and *Bull.* (1855, &c.) ; *Assoc.* *Normande* (1831), *Annuaire* (1835, &c.). Cahors, *Soc. des Études Litt., Sc. et Artistiques* (1872), *Bull,* (1873, &c.). Cambrai, *Soc. d'Émulation* (1804), *Mém.* (1808, &c.). Cannes, *Soc, des Sc.* (1868), *Mém.* (1869, &c.). Carcassonne, *Soc. d'Études, &c.* (1880), *Bull.* (1890, &c.). Chambéry, *Acad.* (1819), *Mém,* (1825, &c.). Châteaudun, *Soc. Dunoise* (1864), *Bull.* (1864, &c.). Cherbourg, *Soc. Acad.* (1755), *Mém,* (1833, &c.); *Soc, Nat.* (1851), *Mém.* (1852, &c.). Clermont- Ferrand, *Acad.* (1747), *Annales* (1828, &c.) and *Bull.* (1881, &c.). Dijon, *Acad.* (1725; suppressed 1793; re-established 1800), *Mém.* (1769, &c.). Douai, *Soc, d'Agr., &c., du Nord* (1799), *Mém,* (1826, &c.). Draguinan, *Soc. d'Études Sc,* (1855), (1856, &c.).

Dunkirk, *Soc. Dunkerquoise* (1851), *Mém.* (1853, &c.). Épinal, *Soc, d'Émulation* (1825), *Journal* (1825-1827), *Séances* (1828-1830), *Annales* (1828, &c.). Évreux, *Soc. Libre d'Agr., &c.* (1798), *Re­cueil.* Gap, *Soc, d'Études* (1881), *Bull.* (1882, &c.). Grenoble, *Acad. Delphinale* (1789), based on *Soc. Litt.* (1772), *Bull.* (1836, &c.). Havre, *Soc. d'Études Diverses* (1833), *Recueil* (1834, &c.). Laon, *Soc. Acad,* (1850), *Bull,* (1852, &c.). La Roche, *Soc. d'Émulation* (1854), *Annuaire* (1855, &c.). La Rochelle, *Acad,* (1732; suppressed 1791; reconstituted in 1803 as *Lycée Rochelais* and in 1853 under its former name), *Annales* (1854, &c.). Le Havre, *Soc. des Sc. et Arts* (1868), *Bull.* (1868, &c.). Le Mans, *Soc. d'Agr., &c., de la Sarthe* (founded in 1761; reorganized on several occasions, and finally in 1839), *Bull,* (ι833, &c.). Le Puy, *Soc. d'Agr., Sc.,·&c.* (1819), *Annales* (1826, &c.) and *Bull,* (1836, &c.). Lille, *Soc, des Sc,, &c.* (founded 1802 as *Soc. d'Amateurs), Mém,* (1802, &c.) ; *Soc. d'Études, Bull,* (1899). Limoges, *Soc. d'Agr., Sc., &c,, de la Haute-Vienne* (1759), *Bull,* (1822, &c.). Lons-le-Saunier, *Soc, d'Émulation* (1817), *Mem.* (1818, &c.). Lyons, *Acad.* (1724), *Mém.* (1854, &c.); *Soc. d'Agr., Hist. Nat.,fife,* (1761), *Comptes rend.* (1806, &c.) and *Mém.* (1838, &c.); *Soc. Linn.* (1822), *Annales* (1836, &c.). Mâcon, *Acad.* (1805), *Comptes rend.* (1806-1847) and *Annates* (1851, &c.). Marseilles, *Acad.* (1726; in 1766 called *Sec. des Sciences;* suppressed in 1793; reorganized in 1799, and finally in 1802), *Recueil* (1727-1786) and *Mém*. (1803, &c.). Meaux, *Soc. Libre d'Agr., Sc., &c.* (1798; reorganized in 1820), *Publ.* (1833, &c.). Mende, *Soc. d'Agr., &c., de la Lozère* (1819), *Mém,* (1827, &c.) and *Bull.* (1850, &c.). Montauban, *Acad.* (1730), *Recueil* (1742-1750 and 1869, &c.). Montbéliard, *Soc. d'Ém,* (1850), *Mém.* (1852, &c.). Montpellier, *Acad.* (founded in 1706 as *Soc. Royale;* suppressed in 1793; finally reorganized in 1846), *Mém,* (1847, &c.); *Soc. d'Horticult., &c., de l'Hérault* (1860), *Annales* (1860, &c.). Moulins, *Soc. d'Ém.* (1846), *Bull,* (1846, &c.). Nancy, *Acad, de Stanislas* (1750), *Mém.* (1754, &c.); *Soc. des Sc.* (1873), founded on *Soc. des Sc. Nat. de Strasbourg* (1828), *Mém.* (1830, &c.) and *Bull.* (1866, &c.); *Soc. d'archéol., &c.* (1848) *Mém.* (1849, &c.), *Journal* (1852, &c.). Nantes, *Soc. Acad. de la Loire-Inf.* (1848), founded in 1798 as *Institut Dé­partmental, Annales* (1830, &c.). Nevers, *Soc. Nivernaise* (1851), *Bull,* (1851, &c.). Nice, *Soc. des Lettres, &c.* (1861), *Annales* (1865, &c.). Nîmes, *Acad.* (1682), *Mém.* (1805); *Soc. d'Étude des Sc.Nat.* (1871), *Bull.* (1873, &c.). Niort, *Soc. de Statist. Sc., &c., des Deux-Sèvres* (1836), *Mém.* (1836, &c.) and *Bull,* (1852, &c.). Orleans, *Acad. de Sainte- Croix* (1863), *Lect. et Mém.* (1865, &c.) ; *Soc, d'Agr., Sc., &c.* (1809), *Bull.* (1810-1813), Ann. (1818-1837),and *Mém*. (1837, &c.). Pau, Soc. *des Sc,, Lettres, éfc.* (1841), *Bull.* (1841, &c.). Périgueux, *Soc. d'Agr., Sc., &c., de la Dordogne* (1820), *Annales* (1840, &c.). Perpignan, *Soc, Agr,, &c. et Litt,* (1833), *Bull.* (1834, &c.). Poitiers, *Soc. d'Agr., Belles-Lettres, &c.* (1789), *Bull.* (1818, &c.). Privas, *Soc. des Sc. Nat. et llist.* (1861), *Bull.* (1861, &c.). Reims, *Acad. Nat.* (1841), *Séances* (1844, &c.). Rochefort, *Soc. de Géog. Lettres, Sc. et Arts* (1878), *Bull.* (1879, &c.). Rodez, *Soc. des Lettres, Sc., &c., de l'Aveyron* (1836), *Mém.* (1838, &c.) *Procès-Verb.* (1864, &c.). Rouen, *Acad.* (1744), *Précis Analyt.* (i744, &c.); *Soc. Libre d'Émulation, &c.* (1790), *Bull.* (1797, &c.); *Soc. des Amis des Sc. Nat.* (1864), *Bull*. (1865, &c.). Saint-Brieuc,*xSoc. d'Ém., Bull, et Mém.* (1861, &c.). Saint-Dié, *Soc. Philomatique* (1875), *Bull,* (1876, &c.). Saint-Etienne, *Soc, d'Agr., &c., dé la Loire* (1822), *Annales* (1857). Saint-Lo, *Soc. d'Agr., &c.*1833), *Mém., &c.* (1837, &c.). Saint-Quentin, *Soc. Acad.* (1825), *Mém.* (1830, &c.). Semur, *Soc. des Sc, Hist, et Nat.* (1842), *Bull,* (1864, &c.). Soissons, *Soc. Arch., Hist, et Sc.* (1846), *Mém.* (1847, &c.). Tarbes, *Soc. Acad, des Hautes-Pyrénées* (1853), *Bull,* (1854, &c.). Toulon, *Soc. Acad, du Var* (1811), *Mém.* (1832, &c.). Toulouse, *Acad,* (founded in 1640; known to 1704 as *Soc. des Lanternistes* and by other names to 1807, when present title was acquired), *Hist, et Mém.* (1782-1790) and *Mém.* (1827, &c.); *Soc. d'Hιst. Nat.* (1866), *Bull.* (1867, &c.) ; *Soc, des Sc.,* (1872), *Bull.* (1872, &c.). Tours, *Soc.*