1850) or *Hungarian Geolog. Soc.* (1850), *Földtani Közlöny.* Brünn, *Wernerscher* *Geol. Ver., Jahresber.* Darmstadt, *Mittelrheinischer Geolog. Ver.* (1851), *Mittheil.* (1855, &c.). Dresden, *Gebirgs- Ver.* (1855). Switzerland: *Schweizerische Geolog. Ges.* (1882), section of *Allg. Schw. Ges.* Zurich, *Schweiz. Paläontol. Ges.* (1874), *Abhandl.* (1875, &c.). Italy: Rome, *Soc. Sismol. Ital.* (1895), *Bell.; Soc. Géol. Ital.,* founded at the second *International Geological Congress.* Belgium: Antwerp, *Soc. Paléontol.* (1857), *Bull.* Brussels, *Soc. Belge de Géol., de Paléont. et d’Hydrol.* (1887), *Bull., Mém.* and *Proc.- verb.* Charleroi, *Soc. Paléontol.* (1863), *Documents et Rapports* (1866, &c.). Liége, *Soc. Géol, de Belgique, Annales* (1874, &c.). Sweden: Stockholm, *Geologiska Förening* (1871), *Förhändlingar* (1872, &c.). Russia: St Petersburg, *Imp. Russian Mineralog. Soc.* (1816), *Trans.*, pub. in Russian, German and French (1830, &c.). Argen­tine Republic: Buenos Aires, *Soc. Paléontol.* Mexico: Mexico, *Soc. Géol. Mexicana* (1904), *Bol.*

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VII. Meteorology

The *International Meteorological Congress* first met at Brussels in 1853. The *Royal Meteorological Society* (1850) of London was in­corporated in 1866; its organ is *Quarterly Journal* (1873, &c.). To this must be added the *British Rainfall Society;* the *Scottish Meteorological Society* holds its meetings at Edinburgh and issues a *Journal* (1866, &c.). Port Louis (Mauritius), *Météorolog. Soc., Trans.* (1853, &c.). Paris, *Soc. Météorolog, de France* (1852), *Annuaire* (1853, &c.) and *Nouvelles Météorolog.* (1868, &c.). Berlin, *Deutsche Meteor. Ges.* (1883), *Ztschr.* Hamburg, *Deutsche Météoro­log. Ges.* (1883), *Ztschr.* Magdeburg, *Ver. f. landwirtsch. Wetter­kunde* (1881). *Meissen, Gesellsch., Isis.* Vienna, *Österreich. Ges. f. Meteor ol., Zeitschrift* (1866, &c.). Modena, *Soc. Météorolog. Itcl.* Gothenburg, *Kungl. Vetenskaps- och Vitterhets-samhället* (1778), *Handligar.*

VIII. Microscopy

The *Royal Microscopical Society* (1839, incorporated 1866), with 7>αnsαciions (1842-1868) and *Journal* (1869, &c.); the *Quekett Microscopical Club* (1865), with a *Journal* (1868, &c.); and the *Postal Microscopic Society* (1873), also with a *Journal,* are located in London. There are suburban societies at Ealing (1877), Hackney (1877), Highbury (1878), South London (1871), and Sydenham (1871). In the provinces may be mentioned those at Bath (1859), Birmingham (1880), Bolton (1877), Bradford (1882), Bristol (1843), Carlisle, Chichester *(Trans.),* Croydon (1870, *Trans.),* Dublin (1840), East Kent (1858), Edinburgh, Liverpool (1868, *Trans.),* Manchester(1880), and Sheffield (1877). In the United States the *State Microscop. Soc. of Illinois* publishes the *Lens* (1872, &c.); Buffalo, *Amer. Soc. of Microscopists;* New York, *Microscop. Soc.;* Urbana, *Amer. Micros. Soc.* (1878), *Proc.* (1879), *Trans,* u895, &c.). Brussels, *Soc. Beige de Microscop.* (1875), *Proc.-verb.* (1875, &c.) and *Annales* (1876, &c.). Berlin, *Ges. f. Mikroskop.* (1877), *Ztschr.* (1878, &c.). Hanover, *Ges.f. Mikroskop.* (1879), *Jahresber.*

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IX. Botany and Horticulture

Linnaean societies, which usually deal with both zoology and botany, are placed in the general class (No. i.J. The *Congrès International d’Horticulture* first met at Brussels in 1864, and the *Congrès International de Botanique* at Amsterdam in 1865. The *Royal Botanic Society of London* (incorporated 1839) has gardens in the inner circle of Regent's Park, and issues a *Quarterly Record* (1880, &c.). The *Royal Horticultural Society* (established in 1804, incorpor­ated in 1809) has gardens at Chiswick, and publishes a *Journal* (1846, &c.). The chief provincial societies are—Aberdeen, *North of Scotl. Hortie. Assoc.* (1879), *Trans.* Arbroath, *Hortic. Assoc. (1880).* Birmingham, *Bot. and Hortie. Soc.* (1829), gardens. Dublin, *Roy. Hortic. Soc.* (1830). Liverpool, *Bot. Soc.* (1906). Edinburgh, *Bot. Soc.* (1836), *Proc.* (1837, &c.) and *Trans.* (1844, &c.) ; *Royal Scottish Arboric. Soc.* (1854), *Trans. ; Cryptogamie Soc. of Scotl.* (1875). Canada: Kingston, *Bot. Soc. of Canada* (i860), *Annals* (1861, &c.).

United 'States: Baltimore, *Bot. Soc. Amer.* (1894). Boston, *Hortic. Soc.* (1829). New York, *Torrey Botanical Club* (1858, re­organized 1867), *Bull.* (1870, &c.). San Francisco, *State Hortic. Soc.* Washington, *Bot. Soc. of Wash.* (1901). France: Beauvais, *Soc. d’Hortic. et de Bot.* (1864), *BuU.* (1864, &c.). Bordeaux, *Soc. d’Hortic.* Chartres, *Soc. d’Hortic. et de Viticulture.* Chauny, *Soc. de Pomologie,* Dijon, *Soc. d’Hortic.* Fontenay-le-Comte, *Soc. d’Hortic.* Lisieux, *Soc. d’Hortic. etde Bot.* (1866), *Bull.* (1866, &c.). Lyons, *Soc. d’Hortic. Pratique* (1844), *Bull.* (1844, &c.) *Soc. Bot.* (1872), *Annales* (1872, &c.); *Soc. Po↑μologique* (1872), *Bull.* (1872, &c.). Moulins, *Soc. d’Hortic.* Nîmes, *Soc. d’Hortic.* Niort, *Soc. d’Hortic.* Orleans, *Soc. d’Hortic.* (1839), *BuU.* (1841, &c.). Paris, *Soc. Nat. d’Hortic.,* (1827; declared of public utility 1852), *Journal; Soc. Bot. de France, Bull.* (1854), *Mém.* (1905, &c.). Rouen, *Soc. Centr. d’Hortic.* Saint Germain-en-Laye, *Soc. d’Hortic.* Senlis, *Soc. d'Hortic.* Troyes, *Soc. d’Hortic.* Versailles, *Soc. d’Hortic.* Germany and Austria- Hungary: Berlin, *Bot. Ver.* (1859), *Verhandl.* (1859, &c.); *Deutsche Bot. Ges.* (1882), *Berichte* (1883, &c.); *Horticult. Ges.* Blankenburg, *Bot. Ver.* Bonn, *Bot. Ver.* (1818), *Jahresber.* (1837, &c.). Danzig, *Westpr. Bot.-zool. Ver.* (1878), *Jahresber.* Dresden, *ii Flora”: Ges. für Bot. u. Gartenbau* (1826), *Sitzungsber.* Erfurt, *Gartenbau Ver.* Frankfort, *Gartenbau Ges.* Freiburg, *Bot. Ver.* Görlitz, *Gartenbau Ver.* Gotha, *Thüringer Gartenbau Ver.* Klagenfurt, *Kârntnerische Gartenbau Ges.* Landshut, *Bot. Ver.* (1864). Meiningen, *Ver. f. Pomologie u. Gartenbau.* Munich, *Bayerische Botanische Ges., Mittheil.* (1890). Ratisbon, *K. Bayerische Bot. Ges.* (1790), *Flora* (1818, &c.) and *Repertorium* (1864, &c.). Reutlingen, *Pomolog. Inst.* Sondershausen, *Bot. Ver.* Stuttgart, *Gartenbau Ges., Flora.* Vienna, *K. k. Gartenbau Ges.; Botan. Ver., Verhandl.* (1851, &c.). Weimar, *Ver. f. Blumistik.* Würzburg, *Bot. Inst., Arbeiten* (1871, &c.). Italy: Milan, *Soc. Crittog. Ital., Atti* (1878, &c.). Belgium: Antwerp, *Soc. Roy. d’Hortic. et d’Agr.; Soc. Phytologique, Annales* (1864, &c.). Bruges, *Soc. d’Hortic. et delà Bot.* Brussels, *Soc. Roy. de Bot.* with *State Botanical Garden* (1862), *Bull.* (1862, &c.) ; *Soc. Roy. de Flore; Soc. Centr, d'Arboric., Annales.* Liége, 5oc. *Roy. d’Hortic.* Holland: Ghent, *Kruidkundig Genoot- schap Dodonaea* (1887), *Tijdschr.* Leiden, *Nederl. Bot. Vereen.* Luxembourg, *Soc. de Bot., Recueil* (1874, &c.). Nimeguen, *Nederl. Bot. Vereen, Archief* (1871, &c.). Denmark: Copenhagen, *Bot. Forening, Tidsskrift* (1866, &c.).

X. Zoology

Societies dealing with natural history in general, or zoology and botany together, come under class i. The first *International Orni­thological Congress* was held at St Petersburg. The *Zoological Society of London* (1826, incorporated 1829) i≡ famous for its collection of animals at Regent’s Park. It publishes *Proceedings* (8vo, 1830, &c.) and *Transactions* (4t0, 1835, &c.). In London also are the *British Ornithologists’ Union* (1859); *Entomological Society of London* (1833), *Trans.* (1834, &c.) ; *National Fish Culture Association* (1883); *Mclacolog. Soc.* (1893). The *Concholog. Soc.* (1876) meets at Manchester, which also has an *Entomolog. Soc.* (1902). The *Marine. Biological Association of Great Britain* (1884), for the study of marine food fishes and shell-fish, has a laboratory at Plymouth. The *Royal Zoological Society of Ireland* (1831) has gardens in the Phoenix Park. There is the *British Beekeepers’ Association* (1874). Australia and New Zealand: Auckland, *Acclimatisation Soc.* Brisbane, *Acclimat. Soc.* Christchurch, *Acclimat. Soc.* Melbourne, *Zoolog. and Acclimat. Soc. of Victoria, Report* (1861, &c.) *; Australasian Ornitho. Union* (1896), *The Emu.* Sydney, *Acclimat. Soc. of N.S. Wales, Report* (1862, &c.)î *Entomolog. Soc. of N.S.W., Trans.* (1863, &c.). Wellington, *Westland Nat. and Acclimat. Soc.* Africa: Cape Town, *Zoolog. Soc.* Port Louis (Mauritius), *Soc. d’Acclimat.* Canada: Toronto, *Entomolog. Soc.; Beekeepers’ Assoc.*

United States: Cambridge, *Nuttall Ornitholog. Club, Bull.* (1876) and *Memoirs* (1886); and *Entomolog. Club, Psyche* (1874, &c.); *Amer. Soc. Zoologists* (1890). *Cincinnati Soc. of Nat. Hist.* (1870), *Journs.* (1879). *Illinois Central Beekeepers’ Association.* New York, *Entom. Soc.* (1892), *Journal; N.* F. *Zoolog. Soc.* (1895), *Rep. Guide Book.* Pasadena, *Cooper Ornith. Club* (1893) founded at San Jose, *Pacific Avifauna* (1900, &c.), *The Condor* (1899, &c.). Philadelphia, *Zoolog. Soc.* (1859), *Report* (1874, &c.) ; and *Amer. Entomolog. Soc.* (1859), *Proc.* (1861-1866), *Trans.* (1867, &c.). Washington, *Amer. Ornith. Union* (1883), *The Auk* (1884, &c.); *Biolog. Soc.* (1901); and *Entomolog. Soc.* (1884), *Proc.* France: Alais, *Soc. Séricicole, Bull.* (1876, &c.). Amiens, *Soc. d’Apiculture, Bull.* (1875, &c.). Clermont, *Soc. Centr. d'Apicult., Bull.* (1875, &c.). Lille, *Inst. Zoolog. à Wimereux, Travaux* (1877, &e.). Paris, *Soc. Nat. d,Ac­climat.* (1854), *Bull. Mensuel* (18541 &c.) and *Clιron. Bimens.* (1875, &c.); *Soc. Zoolog. de France, Bull.* (1876, &c.); *Soc. Entomolog. de France, Annales* (1832); and *Soc. de Biologie* (1848), *Comptes Rendus* (1849, &c.). Germany and Austria-Hungary: *Wander- verSammlung Deutscher Bienenzüchter, Verhandl.* (1856, &c.). Ben­dorf, *Ak⅛limat.-Ver.* Berlin, *Akklimat.-Ver.* (1856), *Zeitschr.* (1858, &c.)î *Central-Inst. f. Akklimat., Mittheil.* (i859> &c.); *Deutsche Zoolog. Ges.; Deutsche Ornithol. Ges.* (1850), *Journal* (1853, &c.); *Deutsche Fischerei Ver., Publikat. (1871, &c.) ; Berliner Entomolog. Ges.* (1856), *Entomolog. Zeitschr.* (1857, &c.) ; *D. Entomol. Ges.* (1881), *Ztschr.; Ver. zum Beförd. des Seidenbaues, Jahresber.* (1869, &e.); *Physiolog. Ges.* (1875), *Verhandl.* (1877, &c.). Breslau, *Physiolog. Inst., Studien* (1861, &c.) ; *Ver. f. Schles. Insektenkunde, Zeitschr.* (1847, &c.). Brunswick, *Detdsche Ornitholog. Ges.* Carlsruhe, *Badischer Ver. f. Geflügelzucht, Monatsblatt* (1872, &e.). Franken­berg, *Bienenwirthschaftl. Haupt-Ver., Sâchs. Bienenfreund* (1865, &e.). Frankfort, *Zoolog. Ges., Der Zoolog. Garten* (i860, &c.); *Deutsche Malakozoolog. Ges.* (1868), *Jahrbücher* (1874-1887) and *Noch- richtsblatt* (1869, &c.). Halberstadt, *Deutsche Ornitholog. Ges.* Halle, *Ornitholog. Central-Ver.* Hamburg, *Zoolog. Ges., Ber.* (1862, &e.). Hanover, *Bienenwirthschaftl. Central-Ver., Centralblatt* (1865, &c.). Leipzig, *Sachs. Seidenbau Ver., Zeitschr.* (1868, &c.). Munich, *Entomolog. Ver.* (1876); *Fischerei Ver., Mittheil.* (1876, &c.). Nörd­lingen, *Ver. Deutscher Bienenwirthe, B.-Zeitung* (1845, &c.). Ratisbon *Zoolog.-mineralog. Ver.* (seeclassi.). Stettin, *Ornitholog.* Ver. (1873), *Jahresber,* (1873t &c.); *Entomolog. Ver.* (1837), *Ent. Zeitung* (1840, &c.). Trieste, *Zoolog. Inst. u. Zoolog. Station* (1875), *Arbeiten* (1878, &c.). Troppau, *Schles. Bienenzucht- Ver.* (1873). Vienna, *Entomolog. Ver.; Embryolog. Inst., Mittheil.* (1871, &c.); *Ornitholog. Ver.* Würzburg, *Zoolog.-zootomisches Inst.* (1872), *Arbeiten* (1874, &c). Switzerland: Bern, *Schweiz. Entomolog. Ges.* (1858), *Mitteil.* (1862, &c.). Geneva, *Assoc. Zoolog. du Léman; Soc. Ornitholog. Suisse*