*Ver. Deutscher Ingenieure, Ztschr.* (1857) and *Wochenschrift* (1877, &c.) ; *Ver. f. Eisenbahnkunde; Akad. des Bauwesens; Architekten-Ver., Ztschr.* Breslau, *Ver. f*. *Ges. der Bild. Künste* (1862). Constance, *Münsterbau Ver.* (1881). Dres­den, *Sachs. Ingen.-u. Architeken-Ver., Protok.* Hanover, *Arch.- u. Ingen.-Ver., Ztschr. Klagenfurt, Berg-und Hutten-Mannischen Ver.* Leoben, *K. k. Berg-Akad.* Munich, *Bayr. Arch.- u. Ingen.-Ver., Ztschr. Prague, Arch.-und Ingen.-Ver.* Vienna, *Oesterr. Ingen.- u. Arch.-Ver., Ztschr. ; Ges. f. Bild. Künste.* Switzer­land: Lausanne, *Soc. Vaudoise des Ingén. et des Arch.* Zurich, *Ver. Schweiz. Ingen. u. Arch.* Italy: Turin, *Soc. degli Ingeneri, Atti* (1868-70). Belgium : Brussels, *Assoc. des Ingén.* Liége, *Assoc. des Ingen.* (1847), *Annuaire* (1851, &c.). Holland: Amsterdam, *Maatschappij tot Bevordering der Bouwkunst, Bouwkun*­*dige Bijdragen* (1843, &c.). The Hague, *Kon. Inst. van Ingen., Verslag* (1848, &c.), *Verhandel.* (1848, &c.) and *Tijdschr.* (1870, &c.). Spain and Portugal: Lisbon, *Assoc. dos Engenheiros Civ. Port. ; Soc. dos Architectos e Archeologos.* Madrid, Soc. *Central de Arquitectos.*

XV. Naval and Military Science.

The *Royal United Service Institution,* first known as the *Naval* *and Military Library and Museum* (1831), took the name of the *United Service Institution* in 1839, and was incorporated in 1860 ; it has a professional museum and publishes a *Journal* (1857, &c.). The home of the society is in London, as is also that of the *Institution of Naval Architects* (1860), which publishes *Transactions* (4to, 1860, &c.). The *Royal Artillery Institution* (1838), which issues *Minutes of Proceedings* (1858, &c.), is at Woolwich, and the *Royal Engineers Institute* (1875), which issues *Royal Engineers Professional Papers,* at Chatham. Canada : Toronto, *Military Inst.* India: Simla, *United Service Institution.*

United States: New York, *Military Service Inst., Journal* (1879, &c.). France: Paris, *Réunion des Officiers,* now *Cercle Militaire, Bull.* (1871, &c.). Germany and Austria-Hungary: Munich, *Militär. Ges.* (1868), *Jahrbüch.* (1871, &c.) ; Vienna, *K. k. Milit.-Geogr. Inst., Arbeiten* (1871, &c.). Holland: Utrecht, *Vereen. tot Verspreiding van Kennis aangaande s'Lands Verdediging, Jaarsvcrslag* (1872 &c.) and *Werken.* Norway: Christiania, *Militære Samfund, Nordsk Milit. Tidsskrift* (1848, &c.). Denmark : Copenhagen, *Krigsvidenskab*­*elige Selskab, Milit. Tidsskrift* (1872, &c.).

XVI. Agriculture and Trades.

The *Royal Agricultural Society of England* began as the *English Agricultural Society* in 1838 and was incorporated in 1840. It holds annually one migratory meeting in some part of England or Wales and two meetings in London, where are its head-quarters ; it publishes a *Journal* (1840, &c.). The leading pro­vincial agricultural societies and associations are—Aberdeen, *Roy. Northern Agr. Soc.* (1843). Arbroath, *Angus Agr. Assoc.* Banbury (1834). Basingstoke, *Roy. Counties Agr. Soc.* (1859). Bath, *Bath and West of Engl. Soc. and Southern Counties Assoc.* (founded in 1777, enlarged in 1852, and reorganized in 1866), *Letters and Papers* (1780-1816) and *Journal* (1852, &c.). Belfast, *Chemico-Agr. Soc. of Ulster* (1845), *Proc. ; N. E. Agr. Assoc. of Ireland.* Birkenhead, *Wirrel and Birkenhead Agr. Soc.* (1842). Brecknock (1855). Carluke (1833). Chelmsford, *Essex Agr. Soc.* (1858). Chertsey (1833). Doncaster (1872). Dublin, *Roy. Agr. Soc. of Ireland* (1841). Edinburgh, *Highland and Agr. Soc. of Scotland* (1784, incorporated in 1787), *Trans.* (1799, &c.). Halifax (1839, enlarged in 1858). Ipswich, *Suffolk Agr. Assoc.* (1831). Otley, *Wharfedale Agr. Soc.* Paisley, *Renfrewshire Agr. Soc.* (1802). Warwick. Worcester (1838). Africa ; Cape Town, *Agr. Soc.* Australia: Sydney, *Agr. Soc. of N. S. Wales.* British Guiana : Georgetown, *Roy. Agr. and Commercial Soc.* Canada: Montreal, Soc. *d’Agr.* India : Calcutta, *Agr. and Hortic. Soc., Journ.* (1842, &c.).

United States : Albany, *State Agr. Soc., The Cultivator* and *Journal.* Atlanta, *State Agr. Soc.* Boston, *Inst. of Technology.* Hoboken, *Stevens Inst. of Technol.* Madison, *State Agr. Soc., Trans.* (1852, &c.). Sacramento, Soc. *of Agr. and Hortic.* San Francisco, *Agr. and Hort. Soc.* Troy, *Rensselaer Polytechnic Inst.* Worcester, *Free Inst. of Industry.*

France: Algiers, Soc. *d’Agr.* (1840), *Bull.* Amiens, Soc. *Industrielle* (1861), *Bull.* Angers, Soc. *Industr. et Agr.* (1830), *Bull.* Bordeaux, Soc. *d'Agr.* Bou­logne, Soc. *d'Agr.* Caen, *Assoc. Normande pour l'Agr., l'Industrie,* &c. (1831), *Annuaire* (1835, &c.); *Soc. d'Agr. et de Commerce* (1762), *Mém.* (1853-58) and *Bull.* (1858, &c.). Châlons-sur-Marne, Soc. *d'Agr.,* &c. (1798), *Mém.* (1807, &c.). Elbeuf, Soc. *Industr.* (1858), *Bull.* Grenoble, Soc. *d’Agr. et d'Hortic.* (1835), *Sud- Est* (1855, &c.). Le Mans, Soc. *du Matériel Agr.* (1857), *Bull.* Lyons. Soc. *des Sc. Industr.* (1862), *Annales.* Montpellier, Soc. *d'Agr.* (1799), *Bull.* (1808, &c.). Nancy, Soc. *Centr. d'Agr.* Paris, Soc. *Nat. d'Agr. de France* (1761 ; reconstructed in 1878 with a view of instructing Government on agricultural matters), *Mém.* and *Bull.* Rheims, Soc. *Industr.* (1833), *Bull.* (1858, &c.). Rouen, Soc. *Industr.* (1872), *Bull. ; Soc. du Commerce et de l'Ind.* Saint-Jean-d'Angély, Soc. *d’Agr.* (1819), *Bull.* (1833, &c.). St Quentin, Soc. *Industr.* (1868), *Bull.* Toulouse, Soc. *d'Agr.* Germany and Austria-Hungary: The migratory *Congress Deut­scher Volkswirthe* first met at Gotha in 1858. Agram, *Kroatisch-Slav. Land- wirths. Ges., Blätter.* Augsburg, *Landwirths. Ver., Landw. Blätter.* Berlin, *Vereinigt. Berlinerkaufleute u. Industr. ; Ver. f. Beförd. des Gewerbefleisses.* Bonn, *Landwirthsch. Central-Ver.* Bremen, *Landwirths. Ver.* Breslau, *Land­wirths. Central-Ver.; Schles. Central Gewerbe-Ver.* Cassel, *Landwirths. Central- Ver., Mittheil.* Cracow, *Akerbau Ges., Annalen.* Dantzic, *Volkswirths. Ges.* (1850). Darmstadt, *Landwirths. Ver., Ztschr.* Dresden, *K. Oekonomie Ges. ; K. Sachs. Polytechnicum.* Fürth, *Gewerbe - Ver.* Gratz, *K. k. Steiermarkische Landwirths. Ges.* Greifswald, *Baltischer Central-Ver.* Halle, *Landwirths. Cen­tral-Ver.* Hanover, *Gewerbe-Ver.* Innsbruck, *K. k. Landwirths. Ges., Wochen- schr. ; Kämt. Industrie- u. Gewerbe-Ver.* Jena, *Landwirths. Inst.* Königsberg, *Ostprcuss. Landwirths. Central-Ver.* Leipsic, *Landwirths. Kreis-Ver.; Polytechn. Ges.* Linz, *K. k. Landwirths. Ges.* Lübeck, *Landwirths. Ver., Mittheil.* Mühl­hausen, Soc. *Industr., Bull.* Munich, *Landwirths. Kreis-Ver. ; Polytechn. Ver.* Nuremberg, *Polytechn. Ver.* Pesth, *Ungar. Akerbau Ges., Mittheil. ; Industrielle Ges.* Prague, *Böhmischer Gewerbe-Ver. ; Industrie Ges., Mittheil.* and *Annalen.* Ratisbon, *Landwirths. Kreis-Ver., Bauernfreund.* Stuttgart, *K. Württemb. Central-Stelle, Wochenblatt.* Trieste, *Akerbau Ges.* Tübingen, *Landwirths. Ver.* Vienna, *K. k. Reichs Landwirths. Ges., Ztschr.* Wiesbaden, *Gewerbe-Ver.* Swit­zerland: Bern, *Oekonom. Ges.* Lausanne, Soc. *d'Agr. de la Suisse Romande.* Zurich, *Ver. f. Landwirths. u. Gartenbau.* Italy : Bologna, Soc. *Agraria, Annal i.* Cagliari, Soc. *Agr. ed Econom.* Florence, Soc. *Econom. ed Agr., Rendiconti.* Milan, Soc. *Agr. di Lombardia; Soc. Gen. degli Agricolt. Ital.* ; Soc. *d'Incoragg. di Arti e Mestieri, Discorsi.* Perugia, Soc. *Econom. ed Agr., Atti.* Turin, *Accad. Reale di Agricolt. ; Assoc. Agr. Ital., Esercitazioni.* Verona, *Accad. d'Agricolt.* Belgium : Soc. *Centr. d’Agricult.* (1854), *Bull.* Ghent, Soc. *Roy. d’Agr. et de Bot.* Liége, Soc. *d'Agr., Journ.* (1850, &c.). Verviers, Soc. *Industr. et Commerc.* (1863), *Bull.* Holland: Amsterdam, *Aardrijskundig Genootschap ; Vereeniging voor Volksvlijt.* Denmark : Copenhagen, *K. Landhuusholdnings Selskab ; Det Statist. Tabelværk.* Norway: Christiania, *Polytekniske Forening.* Sweden : X. *Landt*­*bruks Akademien.* Spain and Portugal: Barcelona, Soc. *Econom., Actas.* Lisbon, *Inst. Real de Agric.* ; Soc. *Promotern de Industr.* Madrid, Soc. *Econom. Matritense, Anales.* Oporto, *Acad. Polytechn.* Russia : Dorpat, *K. Livländische Oekonom. Ges., Jahrbuch.* Kazan, *Imp. Econom. Soc., Monthly Reports.* Moscow, *Imp. Soc. of Agriculturalists.* Odessa, *Imp. Agronom. Soc. of S. Russia.* Riga, *Technical Soc.* St Petersburg, *Imp. Econom. Soc., Trans. ; Technical Soc.* Rou­mania: Bucharest, Soc. *Roumaine d'Agr.*

XVII. Literature, History, and Archæology.

The *Congrès International des Orientalistes* first met at Paris in 1873 ; it issues *Comptes Rendus* (1874, &c.). The *Congrès Bibliographique International* held its first meeting in 1878, and the *Congrès des Américanistes* its first meeting in 1875. The *Royal Society of Literature* (1823, incorporated in 1826), with *Transactions* (4to, 1829-39; 8vo, 1843, &c.), and the *Royal Asiatic Society* (1823), with *Journal* (1834, &c.), have their headquarters in London, as well as the following literary societies and printing clubs, all of which issue publications : *—Aristotelian* (1879), *Authors* (1884), *Ballad* (1868), *Browning* (1881), *Carlyle* (1879), *Chaucer* (1868), *Early English Text* (1864), *East India Association* (1866), *English Dialect* (1873), *Gaelic, Hebrew Literature* (1872), *Hellenic Studies* (1879), *Index* (1877), *Library Association* (1877), *London Dialectical* (1865), *New Shakspere* (1873), *Oriental Translation Fund (1828), Pali Text, Philobiblon* (1858)*, Philological* (1842), *Roxburghe Club* (1812), *Shorthand, Wordsworth* (1880), *Wyclif* (1882). The *Cambridge Philological Society,* the *Glasgow Hunterian Club* (1871), the *Lancashire and Cheshire Historical Society* (1828), at Liverpool, the *Manchester Literary Club,* with *Transadions and Papers* (1874, &c.), and the *Manx Society (1858),* at Douglas, may also be mentioned.

The oldest and most important society in England dealing with history and archæology is the *Society of Antiquaries of London,* which enthusiasts trace to an association founded by Archbishop Parker in 1572. The meetings were not publicly recommenced until 1707 ; the present body was incorporated in 1751 ; it publishes *Vetera Monumenta* (fol., 1747, &c.), *Archæologia* (4to, 1770, &c.), and *Proceedings* (8vo, 1849, &c.). The *Royal Archaeological Institute* (1843), issuing the *Archaeological Journal* (1845, &c.); the *British Archaeological Association* (1843), with *Journal* (1846, &c.); the *Numismatic Society* (1836), issuing the *Numismatic Chronicle* (1838, &c.) ; and the *Royal Historical Society* (1868), with *Transactions,* belong to London, as well as the following historical and anti­quarian societies, all of which issue publications :—*Arundel* (1848), *Camden* (183S), *Cymmrodorion* (1751-73, revived in 1820), *Dilettanti* (1734), *Folk Lore* (1877), *Harleian* (1869), *Holbein, Huguenot* (1885), *London and Middlesex Archæol.* (l855), *Medallists* (1885), *Middlesex County Records* (1884), *Palæographical, Pipe Roll* (1883), *Rabelais Club* (1879), *Seal* (1883), *Soc. Bibl. Archæol.* (1870), *Soc. for Prot. Anc. Buildings* (1877), *Topographical* (1880). The *Society of Antiquaries of Scotland* (1790), at Edinburgh, and the *Irish Archæology and Celtic Society,* at Dublin, are the leading associations outside London. Among others are— Aberdeen, *New Spalding Club* (1886); *Bedfordshire Archæol. and Architect. Soc.* (1844); Bristol, *Bristol and Gloucester Arch. Soc.* (1876); *Cambrian Arch. Assoc.* (1846) ; *Cambridge Antiq. Soc.* (1840) ; Dublin, *Roy. Hist. and Arch. Soc. ;* Durham, *Surtees Soc.* (1834); *Essex Arch. Soc.* (1852); Exeter, *Diocesan Arch. Soc.* (1841); *Glasgow Arch. Soc.* (1856) ; *Kent Arch. Soc.* (1857) ; *Lanc. and Cheshire Antiq. Soc.* (1883) ; Manchester, *Chetham Soc.* (1843) ; *Newcastle-on-Tyne Soc. of Antiq.* (1813) ; Norwich. *Norfolk and Norwich Arch. Soc.* (1846) ; Oxford, *Architect. and Hist. Soc.* (1839) and *Hist. Soc.* (1883); *Purbeck Soc. ; Sussex Arch. Soc.* (1846) ; Welshpool, *Powys Land Club* (1867); and *Yorkshire Arch. and Topogr. Assoc.* (1863).

Canada: Montreal, *Soc. Hist., Mém.* (1859, &c.); *Numism. and Antiq. Soc., Journ.* (1872, &c.). Quebec, *Lit. and Hist. Soc., Trans.* (1837, &c.). Toronto, *Lit. and Hist. Soc.* China : Hong Kong, *Roy. Asiatic Soc.* Shanghai, *Roy. Asiatic Soc., Journ.* (1858, &c.). India: Bombay, *Roy. Asiatic Soc.* (1841), *Journ.* (1844, &c.). Calcutta, *Asiatic Soc. of Bengal, Journ.* (1832, &c.) and *Proc.* (1865, &c). Colombo, *Roy. Asiatic Soc., Journ.* (1844, &c.). Singapore, *Roy. Asiatic Soc.*

United States : Baltimore, *Hist. Soc.* Boston, *Mass. Hist. Soc., Collections* (1792, &c.) and Proc. (1859, &c.) ; *New Engl. Hist.-Gen. Soc.* (1846), *Proc. ; Amer. Oriental Soc.* (1843), *Journ.* (1849, &c.). Brunswick, *Hist. Soc.* Chicago, *Hist. Soc.* Concord, *Hist. Soc., Coll.* (1824, &c.). Hartford, *Amer. Philolog. Soc. ; Hist. Soc., Coll.* (1860, &c.). Madison, *Hist. Soc., Coll.* (1855, &c.). Minneapolis, *Hist. Soc., Coll.* (1869, &c.). Montpelier, *Hist. Soc. of Vermont, Coll.* (1869, &c.). New York, *Hist. Soc., Coll.* (1811, &c.) ; *Genealog. Soc.; Amer. Library Assoc.* (1876), *Libr. Journ.* Philadelphia, *Hist. Soc., Mem.* (1826, &c.) ; *Numism. and Arch. Soc.* (1865). Portland, *Maine Hist. Soc., Coll.* (1831, &c.). Providence, *Hist. Soc., Coll.* (1827, &c.). Richmond, *Virg. Hist. and Phil. Soc., Publ.* (1874, &c.). St Louis, *Missouri Hist. Soc.* Savannah, *Hist. Soc., Coll.* (1840, &c.). Topeka, *Hist. Soc., Trans.* (1881,&c.). Worcester, *Amer. Antiq. Soc., Proc.* and *Arch. Amer.* (1820,&c.).

France : The *Congrès Archéologique de la France* first met in 1834. Algiers, *Soc. Uist.* (1856), *Revue* (1856, &c.). Amiens, *Soc. des Antiq.* (1836), *Mém.* (1838, &c.) and *Bull.* Angoulême, *Soc. Arch. et Hist.* (1844), *Bull.* Bordeaux, *Soc. Archéol.* (1873). Caen, *Soc. des Antiq. de Normandie* (1824), *Mém.* (1825, &c.) and *Bull.* (1860, &c.) ; *Soc. Fran. d’Arch.* (1834), *Comptes Rend.* (1834, &c.) and *Bull. Mens.* (1835, &c.). Constantine, *Soc. Arch.* (1852), *Recueil.* Dijon, *Comm. des Antiquités* (1830), *Mém.* (1832, &c.). Limoges, *Soc. Hist. et Arch.* (1845), *Bull.* Lyons, *Soc. Uist., Litt., et Arch.* (1807), *Mém.* (1861, &c*.*)*.* Montpellier, *Soc. Arch., Mém.* (1835, &c.). Nancy, Soc. *d’Arch. de Lorraine* (1848), *Mém.* (1850, &c.) and *Journ.* (1852, &c.). Nantes, *Soc. Arch.* (1845), *Bull.* (1859, &c.). Orleans, *Soc. Arch. et Uist.* (1849), *Mém.* (1851, &c.) and *Bull.* Paris, *Soc. Nat. des Antiq. de Fr.* (based on the *Académie Celtique), Mém.* (1817, *(ze.)* and *Bull.* (1857, &c.) ; *Soc. de l'Hist. de France* (1833), has published about 270 vols. ; *Soc. de l’École Nat. des Chartes* (1854), *Bibliothèque ; Soc. Asiatique* (1822), *Journal Asiat.* (1822, &c.), &c. ; *Soc. Fran. d’Arch. et de Numism.* ; Soc. *de l'Hist. du Prot. Fran. ; Soc. de Linguistique ; Soc. Bibliogr.* (1868), *Polybiblion.* Poitiers, *Soc. des Antiq.* (1834), *Mém.* Rouen, *Soc. de l'Hist. de Norm.* (1869), *Publ.* Toulouse, *Soc. Arch.* (1831), *Mém.* Tours, *Soc. Arch.* (1840), *Mém.* (1842, &c.). Germany and Austria- Hungary: *Gesam. Ver. d. D. Gesch. u. Alt. Vereine* (1852). Agram. *Ges. f. Süd- Slav. Alterth.* Altenburg, *Gesch. u. Alterthums Ges.* (1838), *Mittheil.* (1841, &c*.*)*.* Augsburg, *Hist. Ver.* (1820, reorganized in 1834), *Jahresber.* (1835, &c*.*)*.* Baden, *Alterthums-Ver.* (1844), *Schriften.* Bamberg, *Hist. Ver.* (1830), *Ber.* (1834, &c.). Berlin, *Ver. f. Gesch. d. Mark Brandenb.* (1836), *Forschungen* (1841, *(ze.); Ver. f. d. Gesch. Berlins* (1865), *Schriften ; Hist. Ges.* (1872), *Mittheil. ; Archäolog. Ges.* (1841), *Archäol. Zeitung; Numism. Ges.* (1843), *Jahresber.* (1845, *(ze.), Herold* (1869); *Phil. Ges.* (1843), *Der Gedanke* (1861, &c.) ; *Ges. f. D. Philologie* (1877), *Jahresber.* (1879, *(ze.).* Bonn, *Ver. f. Alterth.* (1841), *Jahresber. ; Soc. Philologa* (1854). Bran­denburg, *Hist. Ver.* (1868), *Jahresber.* (1870, &c*.*)*.* Braunsberg. *Hist. Ver.* (1856), *Ztschr.* (1858, &c*.*)*.* Breslau, *Ver. f. Gesch. u. Alt. Schl.* (1846), *Ztschr.* (1856, &c.); *Breslauer Dichterschule* (1860). Cassel, *Ver. f. Hess. Gesch.* (1834), *Ztschr.* (1837, &c.). Cologne, *Hist. Ver.* (1854), *Annalen* (1855, &c.). Darmstadt, *Hist. Ver.* (1834), *Archiv* (1835, *(ze.).* Dresden, *K. Sachs. Alt. Ver.* (1824), *Jahresber.* (1835, *(ze.)* and *Mittheil.* (1835, *(ze.).* Frankfort, *Ges. f. Deutschlands ält. Geschichts­kunde* (1819 ; since 1875 under guidance of *Central-Dir. d. Mon. Germ.), Mon. Germ.* (1826, &c*.*); *Ges. f. Gesch. u. Kunst* (1837), *Mittheil.* (1858, &c*.*); *Freies D. Hochstift in Goethe’s Vaterhaus* (1859). Halle, *Thür.-Sächs. Ver.* (1819), *Mittheil.* (1822, &c.) ; *D. Morgenl. Ges.* (1844), *Ztschr.* (1847, &c.) and *Abhandl.* (1859, &c.). Hanover, *Hist. Ver.* (1835), *Ztschr.* Kiel, *Ges. f. Gesch. Schl.-Holst.* (1833, re­organized in 1873), *Archiv* (1833, &c.)and *Ztschr.* (1870, &c.)*.* Leipsic, *D. Ges z. Erforschung vaterl. Spr. u. Alterth.* (1697, reorganized in 1824), *Jahresber.* (1825, &c.) and *Mittheil.* (1856, &c.) ; *Fürstlich Jablonowski’s Ges.* (1768), *Acta* (1772 &c.) ; *Börsenver. d. D. Buchhändler* (1825), *Börsenblatt* (1834, &c.); *Hist. Theolog. Ges.* (1814). Lübeck, *Hansischer Ges. Ver.* (1870). Munich, *Hist. Ver.* (1837), *Archiv* (1839, &c.); *Alterthums-Ver.* (1864)*.* Nuremberg, *Pegnesischer Blumen­orden* (1644), had united with it in 1874 the *Lit*. *Ver.* (1839). Prague, *Ver*. *f Gesch.* Ratisbon, *Hist. Ver.* (1830), *Verhandl.* (1832, &c.). Schwerin, *Ver. f. Meckl. Gesch. u. Alterthumsk.* (1835), *Jahrbuch* (1836, &c.) and other publications.