

Zettervall (tsët'tpr-väl)	Ziller (tsil'ler)	Z5-lä' [skə]	Zumalacarregui (thü-mä'lä-kär-rä'gē)
Zeune (tsü'nä)	Zim'mer-männ	Zolkjewski (tsolk-yev-mä'lä-kär-rä'gē)	Zumbusch (tsöm'büşh)
Zeuner (tsü'nēr)	Zimmern (tsim'mern)	Zöller (tsöl'ler)	Züm'mö (dzüm'mö)
Zeuss (tsüis)	Zin-gä-räl'li (dzen-zin-gä-räl'li)	Zölliker (tsöl'li-kö-fēr)	Zümpt (tsümp)
Zévort (zä-vör)	Zingerle (tsing'er-lē)	Zöllner (tsöl'nēr)	Zumsteeg (tsöm'stäg)
Zezschwitz (tsët'shvits)	Zingg (tsing)	Zp-nä'räs	Zuñiga (thün-yē'gä)
Zichy (sit'shē)	Zinkeisen (tsink'f-zn)	Zorilla (thö-räl'yä)	Zunz (tsünt)
Ziebland (tsä'blänt)	Zinkgraf (tsink'gräf)	Zösch	Zupitza (tsö-pit'sä)
Ziegenbalg (tsē'gēn-bäl)	Zin'zen-dörf	Zöst	Zür-bä-rän' (thür-zür-bä-rän' (thür-
Zieg'ler (tsēg'-)	Zirkel (tsēr'kēl)	Zrinyi (srēn'yē)	Zü-rä-tä (thü-zü-rä-tä (thü-
Ziem (tsēm)	Zis'ka (or shish'kä)	Zschokke (chök'kä)	Zur Strassen (tsür-sträs-sen)
Ziemalkowski (tsē-mäl-köv'skē)	Zitek (tsē'tēk)	Zucerini (dzük-kä-rē-nē)	Zwingle (zwīn'gl),
Ziemssen (tsēm'sēn)	Zittel (tsit'tēl)	Zückerini (dzük-kä-rē-nē)	Zwing'li (tswīng'li),
Zieten (tsē'tēn)	Zö'bel (tsö'-)	Zückerini (dzük-kä-rē-nē)	or Zwing'li-üs
Ziethen (tsē'tēn)	Zoeckler (tsēk'ler)	Zückerini (dzük-kä-rē-nē)	Zwirner (tsvēr'nēr)
Zigliara (dzēl-yä'rä)	Zoepffel (tsēp'fēl)	Zückerini (dzük-kä-rē-nē)	Zyll, van (vän-zil)
	Zoepfi (tsēp'fi)		

ABBREVIATIONS

USED IN WRITING AND PRINTING.

A. Answer.—Acre.—Adjective.—Afternoon.—ä, or ää. Ana. of each the same quantity.	A. M. (<i>Ante Meridiem.</i>) Before noon.	B. A. Bachelor of Arts.—British Ba. Barium. [America]
A. (<i>In commerce.</i>) Accepted.—a., or @. At or to.	A. M. (<i>Anno Mundi.</i>) In the Year of the World.	Bal. Balance.
A. A. G. Assistant Adjutant-General.	Am., or Amer. American.	Bar. Barrel.—Barleycorn.
A. A. S. (<i>Académie Americane Socius.</i>) Fellow of the American Academy.	Am. Amos.	Bart., or Bt. Baronet.
A. A. S. S. (<i>Académie Antiquariane Societatis Socius.</i>) Member of the American Antiquarian Society.	Amb. Ambassador.	Bbl. Barrel.
A. B. (<i>Artium Baccalaureus.</i>) Bachelor of Arts.	Amt. Amount.	B. C. Before Christ.
Abbr. Abbreviated.	An. (<i>Anno.</i>) In the Year.	B. C. L. Bachelor of Civil Law.
A. B. C. F. M. American Board of Commissioners for Foreign Missions.	An., or Ans. Answer. [tity. Ana. (<i>Medicine.</i>) In like quantity.	B. D. Bachelor of Divinity.
Abl. Ablative.	Anat. Anatomy.	Bd. Bound.
Abp. Archbishop.	Anc. Anciently.	Bds. Bound in boards.
Abt. Abridged.	Ang. Sax. Anglo-Saxon.	Belg. Belgic.
A. B. S. American Bible Society.	Anon. Anonymous.	Benj. Benjamin.
A. C. (<i>Ante Christum.</i>) Before Christ.	Ant., or Antiq. Antiquities.	Berks. Berkshire.
A. C. Arch-Chancellor.	A. O. S. S. (<i>Americanæ Orientalis Societatis Socius.</i>) Member of the American Oriental Society.	B. F., or B. fir. Firkin of Beer.
Acc. Accusative.	Ap., Apr., or Apl. April.	Bi. Bismuth.
Acct. Account.	Ap. Apostle.	Bib. Bible.—Biblical.
A. C. S. American Colonization Society.	Apo. Apogee.	Bk. Bank.—Book.
A. D. (<i>Anno Domini.</i>) In the Year of our Lord.	Apoc. Apocalypse. [Anne. A. R. (<i>Anna Regina.</i>) Queen	B. L. (<i>Baccalaureus Legum.</i>) Bachelor of Laws.
Ad., or Adv. Adverb.	A. R. (<i>Anno Regni.</i>) In the Year of the Reign.	Bl. Barrel.
A. D. C. Aide-de-Camp.	Ar., or Arab. Arabic.	B. M. British Museum.
Adj. Adjective.	A. R. A. Associate of the Royal Academy.	B. M. (<i>Baccalaureus Medicinæ.</i>) Bachelor of Medicine.
Adj. Adjutant.	Arch. Architecture.	Bo. Boron.
Adj. Gen. Adjutant-General.	Arith. Arithmetic.	Bot. Botany.
Ad lib. (<i>Ad libitum.</i>) At pleasure.	Ariz. Arizona.	Bp. Bishop.
Adm., or Adml. Admiral.—Admiralty.	Ark. Arkansas.	B. R. (<i>Banco Regis</i> or <i>Reginæ.</i>) King's or Queen's Bench.
Adm. Co. Admiralty Court.	Arm. Armoric.—Armenian.	Br., or Bro. Brother.
A. D. M. G. (<i>Ad Dei Majorem Gloriam.</i>) To the Glory of God.	Arr. Arrived.	Br. Bromine.
Admr. Administrator.	Arts. Arrivals.	Bret. Breton.
Admx. Administratrix.	A. R. S. S. (<i>Antiquarium Regis Societatis Socius.</i>) Fellow of the Royal Society of Antiquaries.	Brig. Brigade.—Brigadier.
Adv. (<i>Ad valorem.</i>) At the value.	Art. Article.	Brig. Gen. Brigadier-General.
—Advent.—Advocate.	As. Arsenic.	Brit. Britain.—British.
Æt., or Æ. (<i>Ætatis.</i>) Of age; aged.	A. S., or A. Sax. Anglo-Saxon.	B. S. Bachelor of Science.—Bachelor of Surgery.
A. & F. B. S. American and Foreign Bible Society.	A. S. S. U. American Sunday-School Union.	Bu., or Bush. Bushel.
Af. Africa.	Astrol. Astrology.	Bucks. Buckinghamshire.
Ag. (<i>Argentum.</i>) Silver.	Astron. Astronomy.	B. V. (<i>Beata Virgo.</i>) Blessed Virgin.
Agric. Agriculture.	A. T. Arch-Treasurer.	B. V. (<i>Bene Vale.</i>) Farewell.
Agt. Agent.	A. T. S. American Tract Society.—American Temperance Society.	
A. H. (<i>Anno Hegiræ.</i>) In the Year of the Hegira.	Att., or Atty. Attorney.	
A. H. M. S. American Home Missionary Society.	Atty. Gen. Attorney-General.	
Al. Aluminium.	Au. (<i>Aunes.</i>) French Ells.—(<i>Aurum.</i>) Gold.	
Ala. Alabama.	A. U. C. (<i>Anno Urbis Condite.</i>) In the Year from the Building of the City [Rome].	
Ald. Alderman.	Aug. August.	
Alex. Alexander.	Aust. Austria; Austrian.	
Alt. Altitude.	Av. Average.—Avenue.	
A. M. (<i>Artium Magister.</i>) Master of Arts.	Avoir. Avoirdupois.	

B.

C.

C. Carbon.—Centigrade.
C. (<i>Centum.</i>) A hundred.—Cent.—Centime.—Congress.
C., or Cap. (<i>Caput.</i>) Chapter.
Ca. Calcium.
Cal. California.
Cal. (<i>Calendæ.</i>) Calends.
Cant. Canticles.
Cantab. Of Cambridge.
Cantuar. Of Canterbury.
Cap. Capital.—Caps. Capitals.
Capt. Captain.
Car. Carpentry.—Carat.
Cash. Cashier.—Catherine.
Cath. Catholic.—Catherine.
C. B. Companion of the Bath.
C. B. Cape Breton.
Cb. Columbian.
C. C. Caius College.—County Court.—County Commissioner.
C. C. (<i>Compte Courant.</i>) Account Current.

c. c. Cubic Centimetre.
 C. C. C. Corpus Christi College.
 C. C. P. Court of Common Pleas.
 Cd. Cadmium.
 C. E. Civil Engineer.
 Ce. Cerium.
 Celt. Celtic. [dred.
 Cent., or Ct. (*Centum*.) A hun-
 Cf. (*Confer.*) Compare.
 C. H. Court-House.
 Ch., or C. Church.
 Ch. Ch., or Ch. C. Christ Church.
 Chal., or Ch. Chaldron.
 Chal. Chaldee.—Chaldaic.
 Chanc. Chancellor.
 Chap., or Ch. Chapter.
 Chas. Charles.
 Chem. Chemistry. [ogy.
 Chron. Chronicles.—Chronol-
 Cit. Citizen.—Citation.
 C. J. Chief Justice.
 Cl. Clerk.—Chlorine.
 Clk. Clerk.
 C. M. Common Metre.
 Co. Cobalt.—County.—Com-
 pany.
 Coch., or Coch. (*Cochleare*.) A
 spoonful.
 C. O. D. Collect (*or* Cash) on
 Delivery.
 Col. Colonel.—Colossians.
 Col. Colloquial.
 Col., or Colo. Colorado.
 Coll. College.—Collector.
 Com. Commissioner.—Commo-
 dore.—Commentary.—Com-
 merce.—Committee.
 Comp. Compare.—Compound.—
 Comparative.
 Com. Ver. Common Version.
 Con. (*Contra*.) Against, or in
 opposition.
 Conch. Conchology.
 Con. Cr., or C. C. Contra Credit.
 Cong., or C. Congress.
 Conj. Conjunction.
 Conn., or Ct. Connecticut.
 Cons., or Const. Constable.
 Cop. Coptic.
 Cor. Corinthians.
 Corn. Cornish.
 Cor. Sec. Corresponding Secre-
 tary.
 Cos. Cosine.
 C. P. Common Pleas.—Court of
 Probate.
 C. P. S. (*Custos Privati Sigilli*)
 Keeper of the Privy Seal.
 C. R. (*Custos Rotularum*.) Keeper
 of the Rolls.
 C. R. (*Carolus Rex*.) King
 Charles.
 Cr. Credit.—Creditor.—Chro-
 mium.
 Cres. Crescendo.
 Crim. Con. Criminal Conversa-
 tion, *or* Adultery.
 C. R. P. (*Calendarium Rotularum*
Patentium.) Calendar of the
 Patent Rolls.
 Crystal. Crystallography.
 C. S. (*Custos Sigilli*.) Keeper of
 the Seal.—Court of Sessions.
 Cs. Cesium.
 C. S. I. Companion of the Star
 of India. [cut.
 Ct. Count.—Court.—Connecti-
 Ct. Cent.—Cts. Cents.
 Cu. (*Cuprum*.) Copper.
 Cur. Current, *or* This month.
 Cwt. (*Centum and weight*.) Hun-
 dred-weight.
 Cyc. Cyclopædia.

D.

D., or d. (*Denarius*.) Penny, *or*
 Pence.
 D., or d. Day.—Died.—Dime.
 D. Dutch.
 D., or Deg. Degree.
 Dak. Dakota.
 Dan. Daniel.—Danish.
 Dat. Dative.
 D. C. District of Columbia.—
 (*Da Capo*.) Again.
 D. C. L. Doctor of Civil Law.
 D. D. (*Divinitatis Doctor*.) Doc-
 tor of Divinity.
 Dea. Deacon.
 Dec. December.—Declination.
 Deg. Degree, *or* Degrees.
 Del. Delaware.—Delegate.
 Del. (*Delinavit*.) He drew it;—
 placed on an engraving with
 the name of the draughtsman.
 Den. Denmark.
 Dep., or Dept. Department.
 Dep. Deputy.
 Dept. Deponent.
 Deriv. Derivative.
 Deut. Deuteronomy.
 D. F. Defender of the Faith.—
 Dean of the Faculty.
 Dft., or Dft. Defendant.
 D. G. (*Dei Gratia*.) By the
 Grace of God.
 Di. Didymium.
 Diam. Diameter.
 Dict. Dictator.—Dictionary.
 Dim. Diminutive.
 Dis., Disc., or Disc. Discourt.
 Diss. Dissertation.
 Dist. District.
 Dist. Atty. District Attorney.
 Div. Divided.—Division.
 D. M. Doctor of Music.
 Do. (*Ditto*.) The same; as afore-
 said.
 Dols., or \$. Dollars.
 Doz. Dozen.
 D. P. Doctor of Philosophy.
 Dpt. Deponent.
 Dr. Doctor.—Debtor.—Dram.
 D. Sc. Doctor of Science.
 D. T. (*Doctor Theologie*.) Doc-
 tor of Divinity.
 Dut. Dutch. [ing.
 D. V. (*Deo Volente*.) God will.
 Dwt. (*Denarius and weight*.)
 Pennyweight.

E.

E. Erbium.—East.—Earl.—
 Eagle.
 Ebor. (*Eboracum*.) York.
 Ecc., or Eccles. Ecclesiastical.
 Eccl. Ecclesiastes.—Ecclesiast-
 ical. [tory.
 Eccl. Hist. Ecclesiastical His-
 Eclus. Ecclesiasticus.
 Ed. Edition.—Editor.
 Edm. Edmund.
 Eds. Editors.
 Edw. Edward.
 E. E. Errors excepted.—Eng-
 lish Ells.
 E. Fl. Ells Flemish.
 E. Fr. Ells French.
 E. G., or e. g. (*Exempli Gratia*.)
 For example.
 E. I. East Indies, *or* East India.
 E. I. C. East India Company.

Elec. Electricity.
 Eliz. Elizabeth.
 E. Lon. East Longitude.
 Emp. Emperor.—Empress.
 Ency., or Encyc. Encyclopædia.
 E. N. E. East-north-east.
 Eng. England.—English.
 Ent. Entomology.
 Env. Ext. Envoy Extraordinary.
 Ep. Epistle.
 Eph. Ephesians.—Ephraim.
 Er. Erbium.
 E. S. Ells Scotch.
 Esd. Esdras.
 E. S. E. East-south-east.
 Esq., or Esqr. Esquire.
 Esth. Esther.
 E. T. English Translation.
 Et. al. (*Et alii*.) And others.
 Et. al. (*Et alibi*.) And elsewhere.
 Etc., or &c. (*Et cetera*.) And
 others; and so forth.
 Et seq. (*Et sequens*.) And what
 follows.
 Et seq. (*Et sequentia*.) And those
 which follow.
 Eth. Ethiopic.
 Ex. Example.—Exodus.
 Exc. Excellency.—Exception.
 Exch. Exchequer.
 Exod. Exodus.
 Exon. (*Exonia*.) Exeter.
 Exr. Executor.
 Ez., or Ezr. Ezra.
 Ezek. Ezekiel.

F.

F. Fluorine.
 F., or f. Franc.—Feminine.—
 Florin.
 Fahr. Fahrenheit.
 F. A. M. Free and Accepted
 Masons.
 Far. Farthing.—Farriery.
 F. A. S. Fellow of the Society
 of Arts.
 F. D. (*Fidei Defensor* *or* *Defen-*
satrux.) Defender of the Faith.
 F. E., or Fl. E. Flemish Ell.
 Fe. (*Ferrum*.) Iron.
 Feb. February.
 Fem. Feminine.
 F. G. S. Fellow of the Geologi-
 cal Society.
 Fig. Figure.—Figurative.
 Fin. Finland.
 Finn. Finnish.
 Fir. Firkin.
 Fl., or Flor. Florida.
 Fl. Flemish.—Fluorine.
 Fl., or fl. Flourished.—Florin.
 Fla. Florida.
 Fl. E. Flemish Ell.
 F. L. S. Fellow of the Linnæan
 Society.
 Fo., or Fol. Folio.
 F. O. B. Free on Board.
 For. Foreign.
 Fort. Fortification.
 Fr. France.—French.—Francis.
 F. R. A. S. Fellow of the Royal
 Astronomical Society.
 F. R. C. P. Fellow of the Royal
 College of Physicians.
 Fr. E. French Ell.
 Fred. Frederic.
 Freq. Frequentative.
 F. R. G. S. Fellow of the Royal
 Geographical Society.
 Fri. Friday.

Fris. Friesic; Frisian.
 F. R. S. Fellow of the Royal
 Society.
 F. R. S. E. Fellow of the Royal
 Society, Edinburgh.
 F. S. A. Fellow of the Society
 of Antiquaries.—Fellow of the
 Society of Arts.
 F. S. A. E. Fellow of the Society
 of Antiquaries, Edinburgh.
 Ft. Foot, *or* Feet.—Fort.
 Fth. Fathom.
 Fur. Furlong.
 Fut. Future.
 F. Z. S. Fellow of the Zoologi-
 cal Society.

G.

G. Glucinum.
 Ga. Georgia.—Gallium.
 Gael. Gaelic.
 Gal. Galatians.—Gallon.
 G. B. Great Britain.
 G. C. B. Great Cross of the
 Bath.
 Ge. Germanium.
 Gen. General.—Genitive.—Gen-
 Gent. Gentleman. [esis.
 Gent. Mag. Gentleman's Maga-
 zine.
 Geo. George.—Georgia.
 Geog. Geography.
 Geol. Geology.
 Geom. Geometry.
 Ger. German.—Germany.
 Goth., or Go. Gothic.
 Gov. Governor.
 Gov. Gen. Governor-General.
 G. R. (*Georgius Rex*.) King
 George.
 Gram. Grammar.
 Gtt. (*Gutta, Guttae*.) Drop;
 drops.
 Guin. Guinea; guineas

H.

H. Hydrogen.
 H., h., *or* hr. Hour.
 Hab. Habakkuk.
 Hag. Haggai.
 Hants. Hampshire.
 H. B. C. Hudson's Bay Com-
 pany.
 H. B. M. His, *or* Her, Britannic
 Majesty.
 Hdkt. Handkerchief.
 H. E., or h. e. (*Hoc, or hic, est*.)
 That, *or* this, is.
 Heb. Hebrews.—Hebrew.
 H. E. I. C. Honorable East In-
 dia Company.
 Her. Heraldry.
 Herp. Herpetology.
 Hf. bd. Half-bound.
 Hg. (*Hydrargyrum*.) Mercury.
 Hhd. Hoghead.
 H. I. H. His, *or* Her, Imperial
 Highness.
 Hil. Hilary.
 Hin. Hindoo.—Hindostan.—
 Hindostanee.
 Hist. History.
 H. J. S. (*Hic jacet sepultus*.)
 Here lies buried.
 H. M. His, *or* Her, Majesty.
 H. M. P. (*Hoc monumentum pos-*
uit.) Erected this monument.

H. M. S. His, *or* Her, Majesty's
 Ship, *or* Service.
 Ho. Holmium.
 Hon. Honorable.
 Hon'd. Honored.
 Hort. Horticulture.
 Hos. Hosea.
 H. P. Half-pay.
 H. R. House of Representatives.
 H. R. E. Holy Roman Empire.
 H. R. H. His, *or* Her, Royal
 Highness.
 H. R. I. H. (*Hic requiescit in*
pace.) Here rests in peace.
 H. S. (*Hic situs*.) Here lies.
 H. S. S. Fellow of the Histori-
 cal Society.
 Hum., *or* Humb. Humble.
 Hun. Hungary.—Hungarian.
 Hund. Hundred.
 Hyd. Hydrostatics.

I.

I. Iodine.
 I., *or* Isl. Island.
 Ia. Iowa.
 Ib., *or* Ibid. (*Ibidem*.) In the
 same place.
 Icel. Iceland.—Icelandic.
 Ich. Ichthyology.
 Id. (*Idem*.) The same.
 Id. Ter. Idaho Territory.
 I. e., *or* i. e. (*Id est*.) That is.
 I. H. S. (*Jesus Hominum Salva-*
tor.) Jesus the Saviour of Men.
 Ill. Illinois.
 Imp. Imperial.—Imperative.—
 Imperfect.
 Imp. t. Imperfect tense.
 In. Inch; inches.—Indian.
 Inc., *or* Inco. Incorporated.
 Incog. (*Incognitum*.) Unknown.
 Ind. India.—Indian.—Indiana.
 Indic. Indicative.
 Ind. Ter. Indian Territory.
 Infin. Infinitive.
 In lim. (*In limine*.) At the out-
 set.
 In loc. (*In loco*.) In the place.
 I. N. R. I. *Jesus Nazareus, Rex*
Judeorum.) Jesus of Naza-
 reth, King of the Jews.
 Inst. Instant, *or* of the present
 month.
 Int. Interest.
 Interj. Interjection.
 In trans. (*In transitu*.) On the
 passage.
 I. O. O. F. Independent Order
 of Odd Fellows.
 Ipecac. Ipecacuanha.
 Ir. Ireland.—Irish.—Iridium.
 Isa. Isaiah.
 I. T. Indian Territory.
 It. Italy.—Italian.—Italic.
 Itin. Itinerary.

J.

J. Judge.
 J. A. Judge Advocate.
 Ja., *or* Jas. James.
 Jac. Jacob, *or* James.
 Jam. Jamaica.
 Jan. January.
 J. C. D. Doctor of Civil Law.
 J. D. (*Jurim Doctor*.) Doctor of
 Laws.

Jer. Jeremiah.
 J. H. S. (*Jesus Hominum Salva-*
tor.) Jesus the Saviour of Men.
 Jno. John.
 Jo. Joel.
 Jon. Jonah.
 Jona. Jonathan.
 Jos. Joseph.
 Josh. Joshua.
 Jour. Journal.
 J. P. Justice of the Peace.
 J. Prob. Judge of Probate.
 J. R. (*Jacobus Rex*.) King
 James.
 Jr., *or* Jun. Junior.
 J. U. D., *or* J. V. D. (*Juris utri-*
usque Doctor.) Doctor of both
 Laws; *i. e.*, the Canon and the
 Civil Law.
 Jud. Judith.
 Judg. Judges.
 Jul. July.—Julius.
 Jul. Per. Julian Period.
 Jun. June.—Junius.
 Jus. P. Justice of the Peace.
 Just., *or* Jus. Justice.
 J. V. D. Doctor of Laws.

K.

K. King.—(*Kalium*.) Potassium.
 Kan., *or* Kans. Kansas.
 K. B. Knight of the Bath.
 K. B. King's Bench.
 K. C. King's Council.
 K. C. B. Knight Commander of
 the Bath.
 Ken., *or* Ky. Kentucky.
 K. G. Knight of the Garter.
 K. G. C. Knight Grand Cross.
 K. G. C. B. Knight Grand Cross
 of the Bath.
 Kil. Kilderkin.
 Kingd. Kingdom.
 Km. Kingdom.
 K. M. Knight of Malta.
 Knt., Kt., *or* K. Knight.
 K. P. Knight of St. Patrick.
 K. S. M. G. Knight of St.
 Michael and St. George.
 K. T. Knight of the Thistle.
 Kt. Knight.
 Ky. Kentucky.

L.

L. Lord.—Lady.—Latin.—Lith-
 ium.
 L., *or* Lib. (*Liber*.) Book.
 L., Lib., lb., *or* lb. (*Libra*)
 Pound in weight.
 L., l., *or* £. Pound sterling.
 La. Lanthanum.
 La., *or* Lou. Louisiana.
 Ladp. Ladyship.
 Lam. Lamentations.
 Lat. Latitude.—Latin.
 Late L. Late Latin.
 Lb., *or* lb. Pound in weight.
 L. C. Lord Chancellor.
 L. C., *or* l. c. (*Loco citato*.) In
 the place cited.
 L. C. J. Lord Chief Justice.
 L. D. Lady Day.
 Ld., *or* L. Lord.
 Ldp., *or* Lp. Lordship.
 Lea. League.
 Leg., *or* Legis. Legislature.
 Lev. Leviticus.

L. H. D. (*Literarum Humaniorum Doctor.*) Doctor of Literature.
 Li., or L. Lithium.
 Lib. Librarian.
 Lib., or L. (*Liber.*) Book.
 Lieut., or Lt. Lieutenant.
 Lieut. Col. Lieutenant-Colonel.
 Lieut. Gen. Lieutenant-General.
 Lieut. Gov. Lieutenant-Governor.
 Lit. Literature.—Literary.
 Lit., or lit. Literally.
 Litt. D. Doctor of Literature.
 Liv., or liv. Livre.
 LL. B. (*Legum Baccalaureus.*) Bachelor of Laws.
 LL. D. (*Legum Doctor.*) Doctor of Laws.
 Lon., or Long. Longitude.
 Lond. London.
 Low L. Low Latin.
 L. S. (*Locus Sigilli.*) Place of the Seal.
 L. S. Left Side.
 L. S. D., or l. s. d. Pounds, shillings, pence.
 Lt. Lieutenant.
 Lv. Livres.
 LXX. The Septuagint.

M.

M. Marquis.—Masculine.—Monsieur, Sir, or Mister.—Morning.—Month.—Minute.—Mile.—Married.
 M. (*Mille.*) A thousand.
 M. (*Meridies.*) Meridian, Mid-day, or Noon.
 M. (*Manipulus.*) A handful.
 M., Mon., or Mond. Monday.
 M. A. Master of Arts.—Military Academy.
 Mac., or Macc. Maccabees.
 Mad., or Madm. Madam.
 Mag. Magazine.
 Maj. Major.
 Maj. Gen. Major-General.
 Mal. Malachi. [ship.
 Man. Manège, or Horseman.
 Mar. March.
 March. Marchioness.
 Marg. Trans. Marginal Translation.
 Marq. Marquis.
 Mas., or Masc. Masculine.
 Mass., or Ms. Massachusetts.
 Math. Mathematics.—Mathematicians.
 Matt. Matthew.
 M. B. (*Medicinx Baccalaureus.*) Bachelor of Medicine.
 M. B. (*Musice Baccalaureus.*) Bachelor of Music.
 M. C. Member of Congress.—Master Commandant.—Military Cadets.
 M. D. (*Medicinx Doctor.*) Doctor of Medicine.
 Md. Maryland.
 Me. Maine.
 M. E. Methodist Episcopal.
 Meas. Measure.
 Mech. Mechanics.
 Med. Medicine.
 Mem. (*Memento.*) Remember.
 Mem. Memorandum.
 Messrs., or MM. (*Messieurs.*) Gentlemen; Sirs.

Met. Metaphysics.
 Meteor. Meteorology.
 Meth. Methodist.
 Mex. Mexico, or Mexican.
 Mg. Magnesium.
 M. Goth. Mæso-Gothic.
 M. H. S. Massachusetts Historical Society.—Member of the Historical Society.
 Mic. Micah.
 Mich. Michigan.—Michaelmas.
 Mid. Midshipman.
 Mil. Military.
 Min. Mineralogy.
 Min., or min. Minute; minutes.
 Minn. Minnesota.
 Min. Plen. Minister Plenipotentiary.
 Miss., or Mi. Mississippi.
 Mlle. Mademoiselle.
 MM. Messieurs; Gentlemen.
 Mme. Madame.
 Mn. Manganese.
 Mo. Missouri.—Month.—Molybdenum.
 Mod. Modern.
 Mon., or Mond. Monday.
 Mons. Monsieur, or Sir.
 M. P. Member of Parliament.—Member of Police.
 M. P. C. Member of Parliament in Canada.
 Mr. Mister, or Master.
 M. R. A. S. Member of the Royal Asiatic Society.
 M. R. C. S. Member of the Royal College of Surgeons.
 M. R. I. Member of the Royal Irish Academy.
 Mrs. Mistress (*pron. Missis.*)
 M. R. S. L. Member of the Royal Society of Literature.
 M. S. (*Memorie Sacrum.*) Sacred to the Memory.
 MS. Manuscript.
 MSS. Manuscripts.
 Mt. Mount, or Mountain.
 Mus. Music.—Museum.
 Mus. D. Doctor of Music.
 Myth. Mythology.

N.

N. North.—Note.—Number.—Nail.—Nitrogen.
 N., or n. Noun.—Name.
 N. A. North America.—North American.
 Na. (*Natrium.*) Sodium.
 Nah. Nahum.
 Nat. National.—Natural.
 Nath. Nathaniel, or Nathanael.
 Naut. Nautical.
 N. B. (*Nota bene.*) Mark well; take notice.
 N. B. New Brunswick.—North Britain.
 Nb. Niobium. [Church.
 N. C. North Carolina.—New
 N. E. New England.—North-east.
 Neb. Nebraska.
 Neh. Nehemiah.
 Nem. cou. (*Nemine contradicente.*) No one contradicting; unani-
 mously.
 Nem. diss. (*Nemine dissentiente.*) No one dissenting; unani-
 mously.

Neth. Netherlands.
 Neut. Neuter.
 Nev. Nevada.
 New Test. New Testament.
 N. F. Newfoundland.
 N. H. New Hampshire.
 Ni. Nickel.
 N. J. New Jersey. [tude.
 N. Lat., or N. L. North Lat-
 N. M. New Mexico.
 N. N. E. North-north-east.
 N. N. W. North-north-west.
 No. (*Número.*) Number.
 N. O. New Orleans.
 Nom. Nominative.
 Non pros. (*Non prosequitur.*) He does not prosecute.
 Norm. Norman.
 Norm. Fr. Norman French.
 Norw. Norway.—Norwegian.
 Nos. Numbers.
 Nov. November.
 N. P. Notary Public.—New Providence.
 N. P. D. North Polar Distance.
 N. S. New Style (after 1752).—Nova Scotia.
 N. S. W. New South Wales.
 N. T. New Testament.
 N. u. Name unknown.
 Num., or Numb. Numbers.
 N. V. M. Nativity of the Virgin Mary.
 N. W. North-west.
 N. W. T. North-west Territory.
 N. Y. New York.
 N. Y. H. S. New York Historical Society.
 N. Z. New Zealand.

O.

O. Ohio.—Oxygen.
 Ob. (*Obit.*) He, or she, died.
 Obad. Obadiah.
 Obj. Objection.—Objective.
 Obs. Observation.—Observatory.—Obsolete.
 Obt. Obedient.
 Oct. October.
 O. F. Odd Fellows.
 Old Test., or O. T. Old Testament.
 Olym. Olympiad.
 Opt. Optics.
 Or. Oregon.
 Ord. Ordinary.
 Ornith. Ornithology.
 O. S. Old Style (before 1752).
 Os. Osmium.
 O. T. Old Testament.
 Oxon. (*Oxonia.*) Oxford.
 Oz., or oz. Ounce, or ounces.

P.

P., or p. Page.—Participle.—Phosphorus.—Pole.—Pint.—Pipe.
 P., P., or ꝑ. (*Per.*) By the.
 P. (*Pugillus.*) A pugil; as much as can be taken between the thumb and two forefingers.
 Pa., or Penn. Pennsylvania.
 P. a., or p. a. Participial adjectival.
 Pal. Paleontology. [tive.
 Parl. Parliament.
 Part., or p. Participle.
 Payt. Payment.

Pb. (*Plumbum.*) Lead.
 P. C. (*Patres Conscripti.*) Conscript Fathers.
 P. C. Privy Councillor.
 Pd. Paid.—Palladium.
 P. E. Protestant Episcopal.
 P. E. I. Prince Edward Island.
 Penn. Pennsylvania.
 Pent. Pentecost.
 Per. Persia.—Persian.
 Per an. (*Per annum.*) By the year.
 Percent., or Per ct. (*Per centum.*) By the hundred.
 Perf. Perfect.
 Peri. Perige.
 Persp. Perspective.
 Pet. Peter.
 Phar. Pharmacy.
 Ph. D. (*Philosophix Doctor.*) Doctor of Philosophy.
 Phil. Philip.—Philippians.—Philosophy.—Philosopher.—Philosophical.
 Phila. Philadelphia.
 Philem. Philemon.
 Philom. (*Philomathes.*) Lover of learning.
 Philomath. (*Philomatheticus.*) A lover of mathematics (or of learning).
 P. H. S. Pennsylvania Historical Society.
 Phys. Physics.—Physiology.
 Pinxt., or Pxt. (*Pinxit.*) He, or she, painted it.
 Pk. Peck.
 Pl. Place.—Plate.
 Pl., or Plur. Plural.
 Plif. Plaintiff.
 Plup., or plupf. Pluperfect.
 P. M. (*Post Meridiem.*) Afternoon. [shipman.
 P. M. Postmaster.—Passed Mid-
 P. M. G. Postmaster-General.
 P. O. Post-Office.
 Pop. Population.
 Port. Portugal; Portuguese.
 Pos. Possessive.
 Pot. Pottle.
 Pp. Past participle.
 Pp., or pp. Participles.—Pages.
 P. P. C. (*Pour prendre congé.*) To take leave.
 P. Q. Province of Quebec.
 P. R. Porto Rico. [by the.
 Pr. Preposition.—(*Per.*) By, or Prep., or Pr. Preposition.
 Pres. Present.—President.
 Pret. Preterite.
 Priv. Privative.
 Prob. Problem.
 Prof. Professor. [noun.
 Pron., or pr. Pronounced; pro-
 Pron. a. Pronominal adjective.
 Prop. Proposition.
 Pros. Prosody.
 Prot. Protestant. [time.
 Pro tem. (*Pro tempore.*) For the Prov. Proverbs.—Provost.—Province.
 Prox. (*Proximo.*) Next, or Of the next month.
 Prus. Prussia.—Prussian.
 P. S. Privy Seal.—(*Post Scriptum.*) Postscript.
 Ps. Psalm, or Psalms.
 Pt. Platinum.—Part.—Payment.
 Pub. Published.—Publisher.
 Pub. Doc. Public Document.
 Pun. Puncheon.
 P. v. Post village.
 Pwt. Pennyweight.

Q.

Q., or Qu. Question.—Queen.
 Q., or q. (*Quadrans.*) Farthing.
 Q. B. Queen's Bench.
 Q. C. Queen's Council.
 Q. D., or q. d. (*Quasi dicat.*) As if he should say.
 Q. E. (*Quod est.*) Which is.
 Q. E. D. (*Quod erat demonstrandum.*) Which was to be demonstrated.
 Q. E. F. (*Quod erat faciendum.*) Which was to be done.
 Q. E. I. (*Quod erat invenendum.*) Which was to be discovered.
 Q. L., or q. l. (*Quantum libet.*) As much as you please.
 Qm. (*Quomodo.*) By what means.
 Q. P., or q. pl. (*Quantum placet.*) As much as you please.
 Qr., or qrs. Quarter, or Quarters.—Farthings.
 Q. S. Quarter Section.
 Q. S., or q. s. (*Quantum sufficit.*) A sufficient quantity.
 Qt., or qt. Quart.—Quantity.
 Qu., Qy., or q. (*Quere.*) Query.
 Ques. Question.
 Q. V., or q. v. (*Quod vide.*) Which see.
 Q. V., or q. v. (*Quantum vis.*) As much as you please.

R.

R. Rhodium.—(*Rez.*) King.—(*Regina.*) Queen.—(*Recipe.*) Take.
 R., or r. Rood.—Rod.—Rises.—River.
 R. A. Royal Academy.—Royal Academician.—Royal Artillery.—Royal Arch.—Rear Admiral.—Right Ascension.
 Rad. Radical.
 Rb. Rubidium.
 R. E. Royal Engineers.
 Rec. Recipe.
 Recd. Received.
 Recpt. Receipt.
 Rec. Sec. Recording Secretary.
 Ref. Reformed.—Reformer.—Reference.
 Ref. Ch. Reformed Church.
 Reg. Prof. Regius Professor.
 Regt., or Reg. Register.—Registrar.
 Regt. Regiment.
 Rel. Pron. Relative Pronoun.
 Rem. Remark; Remarks.
 Rep. Representative.—Reporter.
 Rep., or Repub. Republic.
 Rev. Reverend.—Revelation.—Review.
 Rhet. Rhetoric.
 R. I. Rhode Island.
 Richd. Richard.
 R. M. Royal Marines.
 R. N. Royal Navy.
 Ro. (*Recto.*) Right-hand Page.
 —Rhodium.—Robert.
 Robt. Robert.
 Rom. Romans.
 Rom. Cath. Roman Catholic.
 R. R. Railroad.
 R. S. Right Side.
 R. S. V. P. (*Répondez, s'il vous plaît.*) Answer, if you please.
 Rt. Hon. Right Honorable.

Rt. Rev. Right Reverend.
 Rt. Wpfl. Right Worshipful.
 Ru. Ruthenium.
 Rus. Russia.—Russian.
 R. W. Right Worthy.

S.

S. South.—Shilling.—Second.—Sign.—Sets.—Sunday.—Sulphur.—Scribe.
 S., or St. Saint.
 S. A. South America.
 S. A., or s. a. (*Secundum Artem.*) According to Art.
 Sa. Samarium.
 Sam. Samuel.—Samaritan.
 Sans., or Sansc. Sanscrit.
 Sat. Saturday.
 Sax. Saxon.—Saxony.
 Sb. (*Stibium.*) Antimony.
 S. C. South Carolina.
 S. C. (*Senatus Consultum.*) A Decree of the Senate.
 Sc., or Sculp. (*Sculpsit.*) He, or she, engraved it.
 Sc. Scandium.
 S. caps. Small capitals.
 Sch., or Schr. Schooner.—Sch., or Scho. (*Scholium.*) A note.
 Scil., or Sc. (*Scilicet.*) To wit.
 S. C. L. Student of the Civil Law.
 Sclav. Slavonic. [tish.
 Scot. Scotland, Scotch, or Scot-
 Scr. Scruple.
 Sculp. Sculpture.
 Sculp. (*Sculpsit.*) He, or she, engraved it.
 S. E. South-east.
 Se. Selenium.
 Sec. Secretary.—Section.—Sec-
 ond.
 Sec. Leg. Secretary of Legation.
 Sect. Section.
 Sen. Senior.—Senate.—Senator.
 Sep., or Sept. September.
 Sept. Septuagint.
 Serg., or Serj. Sergeant, or Ser-
 jeant.
 Servt. Servant.
 Sh., or S. Shilling.
 Shak. Shakespeare.
 Si. Silicon.
 Sing. Singular.
 S. J. Society of Jesus.
 S. J. C. Supreme Judicial Court.
 Skr. Sanskrit.
 Sld. Sailed.
 S. Lat., or S. L. South Latitude.
 Slav. Slavonic.
 S. N. (*Secundum Naturam.*) Ac-
 cording to Nature.
 Sn. (*Stannum.*) Tin.
 Sol. Solomon.—Solution.
 S. of Sol. Song of Solomon.
 Sol. Gen. Solicitor-General.
 Sp. Spain.—Spanish.
 S. P. (*Sine prole.*) Without issue.
 S. P. A. S. (*Societatis Philosophicæ Americanæ Socius.*) Member of the American Philosophical Society.
 S. P. G. Society for the Propagation of the Gospel.
 S. P. Q. R. (*Senatus Populusque Romanus.*) The Senate and the Roman People.
 Sq., or Sqr. Square.
 Sq. ft. Square feet.
 Sq. in. Square inches.
 Sq. m. Square miles.

Sq. r. Square rods.
 Sq. yd. Square yards.
 Sr. Strontium.
 S. R. I. (*Sacrum Romanum Imperium*). Holy Roman Empire.
 S. R. S. (*Societas Regie Socius*). Fellow of the Royal Society.
 SS., or S. (*Semis*). Half.
 SS., or ss. (*Scilicet*). To wit; namely.
 SS. Saints.—The mark on the collar of the Chief Justice of England.
 S. S. Sunday-school.
 S. S. E. South-south-east.
 S. S. W. South-south-west.
 St. Saint.—Street.—Stone.—Strait.
 S. T. D. (*Sacrae Theologiae Doctor*). Doctor of Divinity.
 Ster., or Sig. Sterling.
 S. T. P. (*Sacrae Theologiae Professor*). Professor, or Doctor, of Divinity.
 Subj. Subjunctive.
 Subst. Substantive.
 Su. Goth. Sui-Gothic, or Norse.
 Sun., or Sund. Sunday.
 Sup., or Supp. Supplement.
 Sup., or Super. Superior.—Superfine.
 Sup., or Superl. Superlative.
 Supt. Superintendent.
 Surg. Surgeon.—Surgery.
 Surg. Gen. Surgeon-General.
 Surv. Surveyor.
 Surv. Gen. Surveyor-General.
 S. W. South-west.
 Sw. Sweden.—Swedish.
 Switz. Switzerland.
 Syn. Synonyme.
 Syr. Syria.—Syriac.

T.

T., or t. Town, or township.
 Ta. Tantalum.
 Tb. Terbium.
 Te. Tellurium.
 T. E. Topographical Engineers.
 Tenn. Tennessee.
 Term. Termination.
 Tex. Texas.
 Text. Rec. (*Textus Receptus*). Received Text.
 Th. Thorium.
 Theo. Theodore.
 Theol. Theology.
 Theoph. Theophilus.
 Theor. Theorem.
 Thos. Thomas.
 Thurs. Thursday.
 Ti. Titanium.
 Tier. Tierce.
 Tim. Timothy.
 Tit. Titus.

Tn. Town.
 T. O. Turn over.
 Tp. Township.
 Tr. Translator.—Translation.—Treasurer.—Trustee.
 Trans. Translation.—Translator.—Translated.
 Trin. Trinity.
 Tu. Thulium.
 Tues., or Tu. Tuesday.
 Turk. Turkey.—Turkish.
 Twp. Township.
 Typ. Typographer.

U.

U. Uranium.
 U. C. Upper Canada.
 U. E. I. C. United East India Company.
 U. J. D. (*Utriusque Juris Doctor*). Doctor of both Laws.
 U. K. United Kingdom.
 Ult. (*Ultimo*). Last, or Of the last month.
 Univ. University.
 U. P. United Presbyterian.
 U. S., or u. s. (*Uti, or uti, supra*). As above.
 U. S. United States.
 U. S. A. United States Army.—United States of America.
 U. S. M. United States Mail.—United States Marine.
 U. S. N. United States Navy.
 U. S. S. United States Ship.
 U. T. Utah Territory.

V.

V. Vanadium.—Verb.
 V., vi., or Vid. (*Vide*). See.
 V., or vs. (*Versus*). Against.
 V., or Ver. Verso.
 Va. Virginia.
 V. A., or v. a. Verb active.
 V. C. Vice-Chancellor.—Victoria Cross.
 V. D. M. (*Verbi Dei Minister*). Minister of God's Word.
 Ven. Venerable.
 V. G., or v. g. (*Verbi gratia*). For example.
 V. int., or v. i. Verb intransitive.
 Vis., or V. Viscount.
 Viz. (*Videlicet*). To wit; namely.
 V. N., or v. n. Verb neuter.
 Vo. (*Verso*). Left-hand page.
 Vol. Volume.—Vols. Volumes.
 V. P., or Vice-Pres. Vice-President.
 V. R. (*Victoria Regina*). Queen Victoria.
 Vs., or V. (*Versus*). Against.
 V. t., or v. tr. Verb transitive.

W.

W. Welsh.—West.—(*Wolfram*). Tungsten.
 W., or Wed. Wednesday.
 W., or Wk. Week.
 Whf. Wharf.
 W. I. West India.—West Indies.
 Wis., or Wisc. Wisconsin.
 W. Lon. West Longitude.
 Wm. William.
 W. N. W. West-north-west.
 Wp. Worship.
 Wpful. Worshipful.
 W. S. Writer to the Signet.
 W. S. W. West-south-west.
 W. T. Washington Territory.
 Wt. Weight.
 W. Va. West Virginia.
 Wyo. Wyoming.

X.

Xmas, or Xm. Christmas.
 Xn, or Xtian. Christian.
 Xnty, or Xty. Christianity.
 Xper, or Xr. Christopher.
 Xt. Christ.

Y.

Y. Ytterbium.
 Y., or Yr. Year.
 Y. B., or Yr. B. Year-Book.
 Yd. Yard.—Yds. Yards.
 Ye. The.
 Ym. Them.
 Y. M. C. A. Young Men's Christian Association.
 Yn. Then.
 Yr. Year.
 Yr. Your.
 Yrs. Yours.
 Ys. This.
 Yt. That.
 Yt. Yttrium.
 Yuc. Yucatan.

Z.

Z. Zero.—Zone.
 Z., or Zr. Zirconium.
 Zech. Zechariah.
 Zeph. Zephaniah.
 Zn. Zinc.
 Zool. Zoology.
 Zr. Zirconium.

Vt. Vermont.
 Vul. Vulgate.
 Vulg. Vulgar; vulgarly.

SIGNS

USED IN WRITING AND PRINTING.

ASTRONOMICAL.

THE LARGER PLANETS, &c.

☉, or ☽	The Sun.	☾	Moon in its first quarter.	♄	Saturn.
☿	Mercury.	☾, or ☽	Full Moon.	♃, or ♅	Uranus.
♀	Venus.	☾	Moon in its last quarter.	♆	Neptune.
♁, ♀, or ♂	The Earth.	♂	Mars.	*	A fixed Star.
☾	New Moon.	♃	Jupiter.		

THE ASTEROIDS.

The numbers used to denote the several asteroids are, in writing, generally enclosed within rings, thus: ① ② ③ ④

- | | | | |
|------------------------------|-------------------------------|----------------------|---------------------|
| 1. Cē'rēs. | 32. Pō-mō'nā. | 63. Āu-sō'nī-ā. | 95. Ār-ē-thū'sā. |
| 2. Pāl'lās. | 33. Pōl-y-hŷm'nī-ā. | 64. Ān-ġē-lī'nā. | 96. Ēġ'lē. |
| 3. Jū'nō. | 34. Cīr'ġē. | 65. Cŷb'ē-lē. | 97. Clō'thō. |
| 4. Vēs'tā. | 35. Lēq-cō'thē-ā. | 66. Mā'i-ā. | 98. Ī-ān'thē. |
| 5. Ās-træ'ā. | 36. Āt-ā-lān'tā. | 67. Āsia (ā'shē-ā). | 99. Dī'kē. |
| 6. Hēs'bē. | 37. Fī'dēs. | 68. Lē'tō. | 100. Hēs'ā-tē. |
| 7. Ī'rīs. | 38. Lē'dā. | 69. Hēs-pē'rī-ā. | 101. Hēl'ē-nā. |
| 8. Flō'rā. | 39. Lā-tī'tī-ā (lā-tīsh'ē-ā). | 70. Pān-q-pē'ā. | 102. Mīr'ī-ām. |
| 9. Mē'tīa. | 40. Hār-mō'nī-ā. | 71. Nī'q-bē. | 103. Hēs'rā. |
| 10. Hŷ-ġē'ī-ā. | 41. Dāph'ne. | 72. Fē-rō'nī-ā. | 104. Clŷm'ē-nē. |
| 11. Pēr-thēn'q-pē. | 42. Ī'sīs. | 73. Clŷt'ī-ē. | 105. Ār'tē-mīs. |
| 12. Vīc-tō'rī-ā. | 43. Ā-rī-ād'ne. | 74. Gāl-ā-tē'ā. | 106. Dī-ō'nē. |
| 13. ġ-ġē'rī-ā. | 44. Nŷ'sā. | 75. Eū-rŷd'ī-ġē. | 107. ġ-mī'l'ā. |
| 14. Ī-rē'ne. | 45. Eū-ġē'nī-ā. | 76. Freia (frī'ā). | 108. Hēs'ū-bā. |
| 15. Eū-nō'mī-ā. | 46. Hēs'tī-ā. | 77. Frīg'ġā. | 109. Fē-lŷ'ī-tās. |
| 16. Psyche (sī'kē). | 47. Ąġ-lā'ī-ā. | 78. Dī-ā'nā. | 110. Lŷd'ī-ā. |
| 17. Thē'tīs. | 48. Dō'rīs. | 79. Eū-rŷn'q-mē. | 111. Ā'tē. |
| 18. Mēl-pōm'ē-nē. | 49. Pā'lēs. | 80. Sappho (sāff'ō). | 112. Īph-ī-ġē-nī'ā. |
| 19. Fōr-tū'nā. | 50. Vīr-ġīn'ī-ā. | 81. Tērp-sīsh'q-rē. | 113. Ām-ā-thē'ā. |
| 20. Mās-sī'l'ī-ā. | 51. Nēm-ā-nī'sā. | 82. Ąl-c-mē'ne. | 114. ġas-sān'drā. |
| 21. Lŷ-tē'tī-ā (lŷ-tēshē-ā). | 52. Eū-rō'pā. | 83. Bē-ā'trīx. | 115. Thŷ'rā. |
| 22. ġal-lī'q-pē. | 53. ġal-lŷp'sō. | 84. Clī'ō. | 116. Sī-rō'nā. |
| 23. Thā-lī'ā. | 54. Āl-ġx-ān'drā. | 85. Ī'ō. | 117. Lō'mī-ā. |
| 24. Thē'mīs. | 55. Pān-dō'rā. | 86. Sēm'ē-lē. | 118. Pēi'thō. |
| 25. Phō-ġē'ā. | 56. Mēl'ē-tē. | 87. Sŷl'vī-ā. | 119. Ąl-thē'ā. |
| 26. Prō-sēr'pī-nā. | 57. Mņē-mōs'y-nē (nē). | 88. Thīs'bē. | 120. Lāph'ē-sīa. |
| 27. Eū-tēr'pē. | 58. ġon-cōr'dī-ā. | 89. Jū'lī-ā. | 121. Hēr-mī'q-nē. |
| 28. Bēl-lō'nā. | 59. ō-lŷm'pī-ā. | 90. Ąn-tī'q-pē. | 122. ġēr'dā. |
| 29. Ām-phī-trī'tē. | 60. Echo (ēk'ō or ē'kō). | 91. Ē-ġī'nā. | 123. Brun-hīl'dā. |
| 30. ū-rā'nī-ā. | 61. Dān'ā-ē. | 92. Ūn-dī'nā. | 124. Ąl-ġēs'tīs. |
| 31. Eū-phrōs'y-nē. | 62. Ēr'ā-tō. | 93. Mī-nēr'vā. | 125. Līb-ġr-ā'trīx. |
| | | 94. Āu-rō'rā. | 126. Vēl'lē-dā. |

Table of signs used in writing and printing, listing numbers 127-240 and corresponding terms like Jə-hān'na, Nēm'e-sīs, etc.

Some of the asteroids were formerly designated by emblematic signs similar to those which are used for the larger planets. The mode of representing them by a circle enclosing the number indicating the order of their discovery is the one generally adopted at the present day.

Table of Ceres, Pallas, Juno, and Vesta signs.

THE ZODIAC.

Table of zodiac signs for Spring, Summer, Autumn, and Winter, including Aries, Taurus, Gemini, etc.

ASPECTS, NODES, &c.

Table of aspects and nodes, including Conjunction, Opposition, Sextile, etc.

BOTANICAL.

- * An asterisk prefixed to a name indicates that there is a good description at the reference given to the work.
† A dagger, in such cases, implies some doubt or uncertainty.
! An exclamation point denotes that an authentic specimen has been seen, from the author named.
? A mark of interrogation indicates doubt as to the correctness of genus, species, &c., according as it is placed after the name of the one or the other.

COMMERCIAL.

- A 1, The designation of a first-class vessel, the letter denoting the character of the hull for build and sea-worthiness, and the figure that she is well found in rigging, gear, &c.
£ (Latin libra). A pound sterling.
lb (Latin libra). A pound weight.
\$ Dollars.

GRAMMATICAL.

MARKS OR POINTS USED IN WRITING OR PRINTING.

Table of grammatical marks including Comma, Semicolon, Colon, Period, Interrogation, Exclamation, Parenthesis, Dash, Apostrophe, Hyphen, Quotation, Brackets, Index, Caret, Brace, Ellipsis, Acute Accent, Grave Accent, Circumflex Accent, The Long or Macron, The Short or Breve, Diæresis, Cedilla, Asterisk, Dagger or Obelisk, Double Dagger, Section, Parallel, Paragraph.

MATHEMATICAL.

ARABIC NOTATION.

Table of Arabic notation from 0 to 14, including Naught or Zero, One, Two, Three, Four, Five, Six, Seven, Eight, Nine, Ten, Eleven, Twelve, Thirteen, Fourteen.

15. Fifteen.	30. Thirty.	90. Ninety.
16. Sixteen.	40. Forty.	100. One hundred.
17. Seventeen.	50. Fifty.	200. Two hundred.
18. Eighteen.	60. Sixty.	500. Five hundred.
19. Nineteen.	70. Seventy.	1000. One thousand.
20. Twenty.	80. Eighty.	2000. Two thousand.

ROMAN NOTATION.

I. One.	XIV. Fourteen.	LXXX. Eighty.
II. Two.	XV. Fifteen.	XC. Ninety.
III. Three.	XVI. Sixteen.	C. One hundred.
IV. Four.	XVII. Seventeen.	CC. Two hundred.
V. Five.	XVIII. Eighteen.	CCC. Three hundred.
VI. Six.	XIX. Nineteen.	CCCC. Four hundred.
VII. Seven.	XX. Twenty.	D. Five hundred.
VIII. Eight.	XXI. Twenty-one.	DC. Six hundred.
IX. Nine.	XXX. Thirty.	DCC. Seven hundred.
X. Ten.	XL. Forty.	DCCC. Eight hundred.
XI. Eleven.	L. Fifty.	DCCCC. Nine hundred.
XII. Twelve.	LX. Sixty.	M. One thousand.
XIII. Thirteen.	LXX. Seventy.	MM. Two thousand.

+ plus, or more, denotes that the quantity before which it is placed is to be added; as, $a + b$; $3 + 4$.
 - minus, or less, denotes that the quantity before which it is placed is to be subtracted; as, $a - b$; $3 - 2$.

× into, denotes, when placed between two quantities, that they are to be multiplied together; as, $a \times b$; 3×6 .

⋅ Multiplication may also be indicated by placing a point between the factors; as, $a \cdot b$; $2 \cdot 4 \cdot 8$. When the quantities to be multiplied together are represented by letters, the sign may be altogether omitted; as, abc ; xy .

÷, or : divided by, denotes, when placed between two quantities, that the one on the left is to be divided by the one on the right; as, $a \div b$; $8 \div 4$; $a : b$.

⋅ Division is also indicated by making the dividend the numerator and the divisor the denominator of a fraction,—the quantities taking the place of the dots; as, $\frac{a}{b}$; $\frac{8}{4}$. It is also indicated thus, $a \overline{) b}$.

± plus, or minus; as, $a \pm b$; $\sqrt{a^2} = \pm a$.
 ~ denotes the difference between two quantities, without implying which is to be subtracted from the other; as, $a \sim b$.

- denotes the difference or excess.

∝ denotes that one quantity varies as another; as, $a \propto \frac{1}{b}$, a varies as $\frac{1}{b}$.

√ radical sign, denotes, when no number is written over the sign, that the square root is to be taken; as, \sqrt{a} ; $\sqrt[9]{a}$.

⊖ The degree of the root is indicated by a number written over the sign √, which is called the index of the root; as, $\sqrt[3]{a}$, the cube or third root of a , &c. The symbol √ is a modification of the letter r, which stood for radix, or root. The root of a quantity is also indicated by a fractional exponent; as, $a^{\frac{1}{2}}$, the square root of a ; $a^{\frac{1}{4}}$, the fourth root of a , &c.

— vinculum, } indicate that the quantities enclosed, or separated from other quantities, by
 [], {, } brackets, } them, are to be considered together, or as one quantity; as, $(a + b)x$;
 () parenthesis, } $\frac{x - y}{x} \times b$; $+\frac{a}{b}x$.
 | bar,

Σ denotes that the sum is to be taken.

⊕ The symbol Σ is used in algebra to denote that the sum of several quantities of the same nature as that to which the symbol is prefixed is to be taken; but in the Calculus it is commonly used to denote the sum of the finite differences of a function.

f, F, φ, functional symbols. A functional symbol denotes that two or more quantities vary together in accordance with some mathematical law; as, $y = f(x)$, denoting that y is a function of x , or that there is a general relation of dependency of value between y and x .

⊖ The symbols used to denote functions are generally the letter f , with accents if necessary, F, and φ, ψ, π, &c.

= sign of equality, denotes that the two quantities between which it is placed are equal; as, $a + b = x - y$; $8 + 4 = 5 + 7$.

> sign of inequality, denotes that the quantity placed at the opening is greater than the one at the vertex, and is read greater than; as, $a > b$, i.e., a greater than b .

< sign of inequality, denotes that the quantity at the vertex is less than the one at the opening, and is read less than; as, $b < a$, i.e., b less than a .

⊃ greater than; as, $a \supset b$, i.e., a greater than b .

⊂ less than; as, $a \subset b$, i.e., a less than b .

∝ geometrical proportion; as, $a : b :: c : d$.

∴ signs used in proportion; as, $3 : 5 :: 6 : 10$, which is read, 3 is to 5 as 6 is to 10; $a : b :: c : d$.

∴ hence; consequently; therefore.

∵ because.

∠ denotes an angle; as, $\angle A$, or $\angle BAC$; which is read, the angle A , or the angle BAC .

△ denotes a triangle; as, $\triangle BCD$; which is read, the triangle BCD .

⊥ denotes a right angle; as, $\perp B$, or $\perp ABC$.

□ denotes a square; as, $\square ABCD$.

▭ denotes a rectangle; as, $\square ABCD$.

○ denotes a circle, or 360° .

⊙ equivalent to, denotes equivalency; as, $\overline{AB} = \odot = BD \times BC$.

∥ denotes parallelism.

⊥ denotes a perpendicular.

∫ denotes that an integration is to be performed; as, $\int dx$.

∑ This symbol is a modification of the letter s , which originally stood for the word *summa*, or *sum*.

∫^m denotes that several successive integrations are to be performed, m denoting the number of integrations.

∫_a^b denotes a definite integral taken from the value a of the variable to the value b of the variable.

d, δ, D, Δ, L , are variously used to denote differences, differentials, derivatives, or variations.

π denotes the ratio of the circumference of a circle to its diameter, which is 3.14159265...&c. — also the circumference of a circle whose diameter is unity; — also the semicircumference of a circle whose radius is unity. When radius = 1, $\pi = 180^\circ$.

e denotes the base of the Napierian system of logarithms, which is 2.71828182845.....

M denotes the modulus of any system of logarithms.

⊖ In the common system, M denotes 0.434294482...&c.

∞ denotes an infinitely large quantity, or a quantity greater than any assignable quantity.

0 denotes naught, nothing, or zero:—an infinitesimal, or a quantity less than any assignable quantity.

g denotes the space described during the first second by a falling body, which is about $16\frac{1}{2}$ feet.

e denotes a residual.

° denotes degrees of arc; as, 30° , which is read 30 degrees.

' denotes minutes of arc; as, $30^\circ 12'$, which is read 30 degrees, 12 minutes.

" denotes seconds of arc; as, $30^\circ 12' 10''$, which is read 30 degrees, 12 minutes, 10 seconds.

⊖ The accents ', ", '' &c., are also used, when several quantities of the same kind are involved in an investigation, to designate different quantities by the same letter differently accented; as, a', a'', a''' , &c.

MEDICAL.

℞ (Recipe), take.

⊖ This symbol was originally the sign ♃ of Jupiter, and was placed at the top of a formula to propitiate the king of the gods, that the compound might act favorably.

℞ a scruple; ℞ss, half a scruple; ℞i, one scruple; ℞i℥, one scruple and a half; ℞ij, two scruples, &c.

℥ a drachm; ℥ss, half a drachm; ℥i, one drachm; ℥i℥ss, one drachm and a half; ℥ij, two drachms, &c.

℥ an ounce; ℥ss, half an ounce; ℥i, one ounce; ℥i℥ss, one ounce and a half; ℥ij, two ounces, &c.

℔ a pound.

℥ a minim, or drop.

℥ a fluid drachm.

℥ a fluid ounce.

℥, or 0 (Octarius), a pint.

āā (āvā), of each.

rr

MISCELLANEOUS.

&, &c. And.—&c. (*Et cætera.*) And the rest; and so forth.

4to, or 4°. Quarto, four leaves, or eight pages, to a sheet.

8vo, or 8°. Octavo, eight leaves, or sixteen pages, to a sheet.

12mo, or 12°. Duodecimo, twelve leaves, or twenty-four pages, to a sheet.

16mo, or 16°. Sexto-decimo, sixteen leaves, or thirty-two pages, to a sheet.

18mo, or 18°. Octo-decimo, eighteen leaves, or thirty-six pages, to a sheet.

When the sheets of a book are folded into more leaves and pages than those named above, the number of leaves is designated by the proper Arabic numerals with the termination *mo*, or *o*, affixed; thus, 24mo, or 24°, and 48mo, or 48°, denote books in which the sheets are folded into twenty-four and forty-eight leaves respectively. As there are no corresponding Latin names in use, such characters must be regarded as mere signs, and must be read as English words.

* Used in Roman Catholic church-books to divide each verse of a psalm into two parts, showing where the responses begin.

+ or † Used in Roman Catholic service-books in those places of the prayers and benediction where the priest is to make the sign of the cross. It is also used in the briefs of the pope, and in the mandates of archbishops and bishops immediately before the subscription of their names.

× A sign by which persons who cannot write are accustomed to attest instruments, their names being added by those who can write; as—
JOHN × THOMAS.
mark.

z A common abbreviation for terminations, in use in the Middle Ages. Being in form somewhat like a z, it came to be represented among the early printers by that letter, and is still retained in the abbreviations *oz.* for *ounce* and *viz.* for *videlicet*.

Y, or y A corruption of the Anglo-Saxon character *p*, or *th*, found in the antiquated abbreviations *y^o* for *the*, *y^t* for *that*, &c.

TYPOGRAPHICAL.

- § *dele*, expunge.
- ⊖ turn an inverted letter.
- less space between words or letters.
- ⌒ print the diphthong *ae* or *oe* as a single character; thus, *x, œ*.
- # more space.
- × directs attention to a bad or foul type.
- ↓ directs attention to a space or quadrat that stands up.
- placed under words which have been erased, and which it is subsequently decided shall remain, the word *stet* (let it stand) being written in the margin.
- [begin a new paragraph:—also, bring a word to the commencement of a line.
- ¶ begin a new paragraph.
- ≡ drawn under words or letters which are to be printed in capitals.
- ≡ drawn under words or letters which are to be printed in small capitals.
- Italics, if drawn under a word printed in Roman letters; Roman letters, if drawn under a word printed in Italics.

The following abbreviations are also used in the correction of proof:

- tr.* transpose.
- l.c.* lower case;—used when a letter or a word that should be printed in common letters has been printed in capitals or small capitals.
- wf.* wrong fount;—used when a character is not of the proper size or kind of type.
- s.c.*, or *s.caps.*, print in small capitals.
- Dy.*, or ? Query;—used in any case of doubt.

ILLUSTRATION.

a/ THOUGH several differing opinions exist as to the individual by whom the art of printing was first discovered; yet all authorities concur in admitting Peter Schoeffer to be the person who invented *cast metal types*, having learned the art of cutting the letters from the Guttenbergs; he is also supposed to have been the first who engraved on copper plates. The following testimony is preserved in the family by Jo. Fred. Faustus, of Ascheffenburg: Peter Schoeffer, of Gernsheim, perceiving his master Faustus design, and being himself desirous ardently to improve the art, found out (by the good providence of God) the method of cutting (*incidendi*) the characters in a matrix, that the letters might easily be singly cast instead of being cut. He privately cut matrices for the whole alphabet: Faust was so pleased with the contrivance, that he promised Peter to give him his only daughter Christina in marriage, a promise which he soon after performed. But there were many difficulties at first with these letters, as there had been before with wooden ones, the metal being too soft to support the force of the impression: but this defect was soon remedied, by mixing a substance with the metal which sufficiently hardened it.

and when he showed his master the letters cast from these matrices,