The New Encyclopædia Britannica

THE INDEX

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"Let knowledge grow from more to more
and thus be human life enriched."

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How to use the INDEX

The INDEX to volumes 1 to 29 begins on page 1 of this volume. The INDEX is the result of an accumulation of hundreds of thousands of references locating precisely the section of a page in which a person, place, thing, or idea is mentioned in any of the thousands of *Encyclopædia Britannica* articles. These references have been assembled, combined, edited, and alphabetized to make an INDEX of more than 400,000 references. This INDEX gathers together all the topics covered by the more than 40,000,000 words in the text, sorts them out, and tabulates them for much the same reason that roads and signposts are planned and built in an unfamiliar country.

Encyclopædia Britannica is so vast a work that it cannot be used to greatest advantage without first consulting the INDEX. For example, if readers turn to "United Kingdom" in Volume 29, they will find a long article, but this by no means represents all the information in *Britannica* about the United Kingdom. To find all of this material, readers must go to the INDEX, where, under the entry heading "United Kingdom," they will find not only the reference to the main article but also about 1,000 references to many related articles throughout the 29 text volumes of *Britannica*.

Or readers may wish to learn something about, say, joint disease. If they look in MICROPAEDIA Volume 6 at the appropriate alphabetical position, they will not find an article on joint disease. The INDEX, however, lists references to three other articles in *Encyclopædia Britannica* in which information on joint disease may be found.

Readers who turn to the INDEX first will use *Britannica* most intelligently and profitably. Because the purpose of the many thousands of INDEX entries is to classify, clarify, and search out specific information, much attention has been given to their simplification. All entry headings, regardless of the number of words they contain, are considered single headings and are alphabetized word by word according to the INDEX alphabetization rules explained at the end of this Introduction.

Entry headings for towns are followed by abbreviations giving the country, state, or other political subdivision in which the towns are situated. Names of lakes, rivers, and mountains are identified as physical features. Persons are often identified in parentheses by nationality or profession or both. Entry headings having identical spellings are usually followed by a parenthetical descriptive word or abbreviation. In the case of entry headings under which scores of references appear, the references are grouped under subheadings. For example, country articles usually have such subheadings as agriculture, forestry, and fishing; commerce and industry; education; history; etc. These subheadings are also arranged alphabetically.

In addition to containing entry headings that have volume and page references, the INDEX has thousands of cross-references. Cross-reference entries for alternative spellings and titles send readers to the main spelling or title. For example, the cross-reference "Constantinople: *see* Istanbul" means that all references with information about Constantinople will be listed under Istanbul. It is important to remember that cross-references in the INDEX refer only to other INDEX entries.

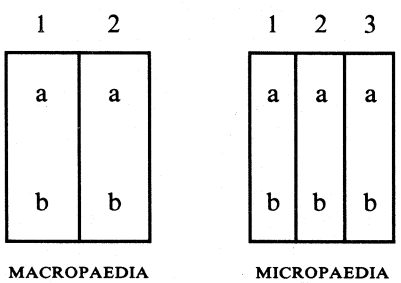
At the top of the outside column of each page of the INDEX is a key word or heading that identifies, on the left-hand page, the first entry or, on the right-hand page, the last entry. These enable readers to find more readily the subjects included on the two pages. Readers are also urged to study the Index Rules, which immediately follow this Introduction. There they will find detailed discussions and examples of the rules concerning geographical entries, references to illustrations, and so on. A List of Abbreviations used in the INDEX follows the Rules.

Index Rules. In the following INDEX, entry headings are set in boldface type, flush with the left-hand margin in a column; they are followed by an identifying phrase or word in parentheses. If the INDEX entry has a corresponding article in the text, the volume and page number of that article immediately follow the entry heading and identifier, on the same line if space permits. Subordinate to the entry heading are the subheadings referring readers to other articles containing information on the subject. These subheadings have a short phrase indicating the context in which the information will be found and are indented to indicate different levels of subordination.

Flaubert, Gustave (Fr. au.) **4**:821:3a
major ref. in French Literature
19:580:2b
association with
Colet **3**:449:2a
Du Camp **4**:242:2b
James **6**:486:1a
Maupassant **7**:952:1a
biography by Sartre **10**:460:3b;
25:638:1b
development of Realism **9**:974:1b;
18:792:2b, 794:1b
literary style **23**:89:1b
"Madame Bovary" **7**:402:2b;
23:127:1b

Entries in quotation marks denote titles of written material and works of art, such as books, paintings, newspapers, symphonies, etc.

All references to text articles in the MACROPAEDIA and MICROPAEDIA show the volume, page number, column of the page, and a letter "a" or "b" indicating the upper or lower half of the column. For example, **1**:485:3b points to the MICROPAEDIA Volume 1, page 485, the third column of the page, and the lower half of that column.



References to the PROPAEDIA volume may be entered on the first line under an entry heading and refer to the PROPAEDIA division or part in which the subject is broadly covered in the outline of knowledge.
Examples:

see PROPAEDIA: Part Three
see PROPAEDIA: Part One, Division II

They may also be placed at the end of an index entry in the following form:

for a list of related subjects see
PROPAEDIA: Section 421

(In this example, 421 denotes a section number, not a page number.)

References to the BRITANNICA WORLD DATA occur in the following form:

see BRITANNICA WORLD DATA for
statistical information.

Illustrations. Illustration references are preceded by the italicized abbreviation *illus.* If the illustration is a list, map, table, or chart, the reference is preceded by the italicized word *list, map, table,* or *chart.*

Alphabetization. The INDEX uses the word-by-word system of alphabetization (where a word is defined as one or more characters separated from the next one or more characters by a space). When one word differs from another only by the presence of additional letters at the end, the shorter word precedes the longer (*e.g.,* "gold" precedes "golden"). Entry headings consisting of more than one word are alphabetized among the single-word entries according to the first word, so that, for example, all of the entries starting with "gold" will be alphabetized in sequence. Entry headings having the first word in common (*e.g.,* "Gold Coast," "Gold Cup") will then be alphabetized among themselves according to the second word. Entry headings having three or more words in common follow the same principles.

Following is a set of examples:

gold
Gold, Helen
Gold, Thomas
Gold Coast
Gold Cup
Goldbach, Christian
Goldbach problem
Golden
Golden Gate
Golden Gate Bridge
Golden Gate Park
Goldenberg, Harold Mark

Diacritical marks do not affect alphabetization. If a diacritic is the only difference between two entry headings, the entry without the diacritic is first.

Hyphenated words (and words separated by en dashes [–]) are treated as two separate words, the hyphen (or dash) being treated as a space. Quotation marks used in titles of works are generally ignored in alphabetization. If the only difference between two entries is the presence of quotation marks in one, the entry heading without quotation marks is placed first.

Entry headings whose first characters are numerals are alphabetized as though the numbers were spelled out. The numerical components of entries are arranged according to their numerical value, from lowest to highest. For example:

Eight Immortals
1812, War of
Eighteenth Amendment
Eightfold Path

B-12
B-17
B-29
B-52

Abbreviations for "Saint(s)" and its foreign-language equivalents (St., Sta., Ste., SS., etc.) are alphabetized as if they were spelled out.

Saint John
Sainte-Beuve, Charles-Augustin
Sainte Marie aux Mines
SS. Peter and Paul Cathedral
Saintsbury, George Edward

Proper names having the prefix "Mac" or its contracted forms "Mc" and "M' " are all alphabetized as "Mac."

McCarey, Leo
M'Carthy, Charles
MacCarthy, Joseph
M'Carthy, Justin
MacCarthy Island

Honorifics and terms of address, such as "Sir" or "Mrs.," are considered in alphabetization only in titles that are otherwise identical.

Wood, Robert
Wood, Mrs. Robert
Wood, Sir Robert
Wood, Robert Alton

Identical entry headings are arranged in the following order: persons, places, things. For example,

Mercury (Roman deity)
Mercury (planet)
mercury (chem. element)

Geographical Entries. Geographical entities having identical spellings are grouped alphabetically by country *(i.e.,* Albania, Austria, . . . Zimbabwe). Within each country, such entities are listed in the following order: (1) political subdivision (province, district, etc.) in descending order or size; (2) city; (3) physical feature. For example:

Newport (N.S.W., Austr.)
Newport (Que., Can.)
Newport (Mayo, Ire.)
Newport (Tipperary, Ire.)
Newport (Dyfed, U.K.)
Newport (Gwent, U.K.)
Newport (I. of Wight, U.K.)
Newport (Salop, U.K.)
Newport (Ark., U.S.)
Newport (co., R.I., U.S.)
Newport (R.I., U.S.)
Newport Beach (Calif., U.S.)
Newport News (Va., U.S.)

Physical features that cross national boundaries are grouped alphabetically by continent (Africa, Antarctica, Asia, etc.), and such groups precede country groupings.

Niagara Falls (waterfall, N.Am.)
Niagara Falls (Ont., Can.)
Niagara Falls (N.Y., U.S.)

Abbreviations Used in the INDEX

abbrev.	abbreviation
acct.	accounting
A.C.T.	Australian Capital Territory
act.	actor, actress
AD	in the year of our Lord (Latin *anno Domini*)
adj.gen.	adjutant general
adm.	admiral
admin.	administration, administrative
adv.	advertising
Aeg.S.	Aegean Sea
aero.	aeronautics, aeronautical
Af.	Africa, African
Afg.	Afghanistan, Afghani
agri.	agriculture, agriculturist, agricultural
AH	in the year of the hijrah (hegira), or Muslim era (Latin *anno Hegirae*)
Ala.	Alabama
Alb.	Albania, Albanian
Alg.	Algeria, Algerian
Alsk.	Alaska, Alaskan
Alta.	Alberta
Am.	American
Am.Sam.	American Samoa
anat.	anatomy
anc.	ancient
And.	Andorra, Andorran
And.Is.	Andaman Islands
Ang.	Angola, Angolese
Ant.	Antigua, Antiguan
Antarc.	Antarctica
anthol.	anthology, anthologist
anthro.	anthropology, anthropologist, anthropological
Arab.	Arabia, Arabic, Arabian
arch.	architecture, architect, architectural
archae.	archaeology, archaeologist, archaeological
archbp.	archbishop
archip.	archipelago
Arct.	Arctic
Arg.	Argentina, Argentine
arith.	arithmetic
Ariz.	Arizona
Ark.	Arkansas
Arm.	Armenia, Armenian
arrond.	arrondissement
art.	artist
As.	Asia, Asiatic, Asian
Assoc.	Association
A.S.S.R.	Autonomous Soviet Socialist Republic
astrol.	astrology, astrologer
astron.	astronomy, astronomer, astronomical
astrophys.	astrophysics, astrophysicist, astrophysical
Atl.O.	Atlantic Ocean
au.	author
Aus.	Austria, Austrian
Austr.	Australia, Australian
aut.area	autonomous area
Av., or Ave.	Avenue, Avenida
b.	born
Babyl.	Babylonia, Babylonian
bac.	bacteriology, bacteriologist
Bah.	Bahamas, Bahamian
Bahr.	Bahrain, Bahrainian
Bal.Is.	Balearic Islands
Bangla.	Bangladesh, Bangladeshi
Barb.	Barbados, Barbadian
bart.	baronet
Bav.	Bavaria, Bavarian
BC	before Christ
B.C.	British Columbia
Beds.	Bedfordshire
Belg.	Belgium, Belgian
Ber.	Bermuda, Bermudan
Berks.	Berkshire
bev.	beverage
Bhut.	Bhutan, Bhutanese, Bhutani
bibl.	biblical
biblio.	bibliography, bibliographer
biochem.	biochemistry, biochemist
biog.	biography, biographer
biogeog.	biogeography
biol.	biology, biologist, biological
bldg.	building
Blvd.	Boulevard
Bohem.	Bohemia, Bohemian
Bol.	Bolivia, Bolivian
boro.	borough
bot.	botany, botanist, botanical
Bots.	Botswana (country and people)
bp.	bishop
Br.	Britain, British
Braz.	Brazil, Brazilian
brig.gen.	brigadier general
Brun.	Brunei
Bucks.	Buckinghamshire
Bulg.	Bulgaria, Bulgarian
Bur.	Burma, Burmese
Buru.	Burundi, Burundian
bus.	business
Byz.	Byzantium, Byzantine
c.	about, approximately (Latin *circa*)
Calif.	California
C.Am.	Central America
Camb.	Cambodia, Cambodian
Cambs.	Cambridgeshire
Camer.	Cameroon, Cameroons
Can.	Canada, Canadian
Can.Is.	Canary Islands
card.	cardinal
Carib.	Caribbean
caric.	caricature, caricaturist
cartog.	cartography, cartographer
cath.	cathedral
Cath.	Catholicism, Catholic
Cauc.	Caucasia, Caucasus
Cay.Is.	Cayman Islands
CE	Christian Era, Common Era
Celt.	Celtic
cent.	century
Cent.	Central
Cent. Af.Rep.	Central African Republic
chan.	channel
Chan.Is.	Channel Islands
chem.	chemistry, chemist, chemical
Ches.	Cheshire
Chil.	Chilean
Chin.	Chinese
chron.	chronology
class.	classification, classical
cler.	clergyman
Cleve.	Cleveland (English county)
co.	county
Co., co.	company
col(s).	column(s)
Col.	Colonel
coll.	college; collector, collection
Colo.	Colorado
Colom.	Colombia, Colombian
com.	commerce, commercial; commission; committee; commune
Com.	Comoros
comdr.	commander
comdt.	commandant
commo.	commodore
comp.	composer; compiler
comp.sci.	computer science
Con.B.	Congo, Republic of (Brazzaville), Congolese
Con.K.	Congo, Democratic Republic of (Kinshasa), Congolese
Conn.	Connecticut
const.	construction
Corn.	Cornwall
Corp.	Corporation
cpl.	corporal
C.R.	Costa Rica, Costa Rican
crit.	critic, criticism
crystall.	crystallography, crystallographer
C.Verde	Cape Verde
Cyp.	Cyprus, Cypriot
Czech.	Czechoslovakia, Czechoslovakian
d.	died
Dan.	Danish
D.C.	District of Columbia
Del.	Delaware
Dem., dem.	democratic
Den.	Denmark
dept.	department, *département*
Derby.	Derbyshire
dermatol.	dermatology, dermatologist
D.F.	Federal District (Spanish *Distrito Federal*)
dial.	dialect
dict.	dictionary
dipl.	diplomat
dir.	director
dist.	district
div.	division
dom.	dominion
Dom.	Dominica
Dom.Rep.	Dominican Republic
Dr., dr.	doctor; drive
dram.	dramatist
Drav.	Dravidian
Du.	Dutch
E.	East, Eastern
E.Af.	East Africa
Ec.	Ecuador, Ecuadorian
eccl.	ecclesiastical, ecclesiast
econ.	economics, economist
ed.	edition, editor
educ.	education, educator
e.g.	for example (Latin *exempli gratia*)
E.Ger.	East Germany
Egy.	Egypt, Egyptian
elec.	electricity, electric, electrical
El Sal.	El Salvador
embryol.	embryology
emp.	empire, emperor, empress
encyc.	encyclopaedia
Eng.	England, English
engin.	engineering, engineer
engr.	engraving, engraver
entom.	entomology, entomologist
Equat. Guin.	Equatorial Guinea
est.	estimate, estimated; estuary
Est.	Estonia, Estonian
E.Susx.	East Sussex
et al.	and others (Latin *et alii,* or *aliae*)
et seq.	and following page(s) (Latin *et sequens, sequentes,* or *sequentia*)
etc.	and so forth (Latin *et cetera*)
Eth.	Ethiopia, Ethiopian
ethnol.	ethnology, ethnologist
Eur.	Europe, European
exec.	executive
expl.	explorer
f.	father
Faer.Is.	Faeroe Islands
Falk.Is.	Falkland Islands, Falklander
fam.	family
Fed., fed.	federation, federal
Fili.	Filipino (native of the Philippines)
Fin.	Finland, Finnish
fin.	finance
fl.	flourished (Latin *floruit*)
Fla.	Florida
Flem.	Flemish
fol.	following
Found., found.	foundation
Fr.	France, French
Ft., ft.	fort
Ga.	Georgia
Gab.	Gabon, Gabonese
Gam.	Gambia, Gambian
gen.	general
geneal.	genealogy, genealogist, genealogical
genet.	genetics, geneticist
geog.	geography, geographer, geographical
geol.	geology, geologist, geological
geom.	geometry
geophys.	geophysics, geophysical, geophysicist
Ger.	Germany, German
Gib.	Gibraltar
Glos.	Gloucestershire
gov.	governor
govt.	government
Gr.	Greece, Greek
gram.	grammar, grammarian
Green.	Greenland
Gren.	Grenada
Gt.Br.	Great Britain
Gtr. London	Greater London
Gtr. Mches.	Greater Manchester
Guad.	Guadeloupe
Guat.	Guatemala, Guatemalan
Guin.	Guinea, Guinean
Guy.	Guyana, Guyanan
h.	husband
Hants.	Hampshire
Haw.	Hawaii, Hawaiian
Heb.	Hebrew
her.	heraldry
Here. &Worc.	Hereford and Worcester
Herts.	Hertfordshire
hist.	history, historian, historical
H.K.	Hong Kong
HMS	His, or Her, Majesty's Ship, or Service
Holl.	Holland
Hon.	Honourable
Hond.	Honduras, Honduran
hort.	horticulture, horticulturist
hts.	heights
Humbs.	Humberside
Hung.	Hungary, Hungarian
Hwy.	Highway
Ia.	Iowa
Ice.	Iceland, Icelandic
Ida.	Idaho
I.E.	Indo-European
i.e.	that is (Latin *id est*)
Ill.	Illinois
illus.	illustration
Inc.	Incorporated
incl.	including
ind.	independent
Ind.	Indiana
Ind.O.	Indian Ocean
Indon.	Indonesia, Indonesian
indus.	industry, industrialist, industrial
Inst., inst.	institute, institution
instru.	instrument
internat.	international
inv.	inventor
I.of Man	Isle of Man
I.of Wight, or I.O.W.	Isle of Wight
Ire.	Ireland
is., isl(s).	island, islands
Isr.	Israel, Israeli
isth.	isthmus
It.	Italy, Italian
Iv.Cst.	Ivory Coast
Jam.	Jamaica, Jamaican
Jor.	Jordan, Jordanian
journ.	journal, journalist, journalism
Jr.	Junior
jur.	jurist
k.	king
Kamp.	Kampuchea, Kampuchean
Kan.	Kansas
Ken.	Kenya, Kenyan
king.	kingdom
Kiri.	Kiribati
Kor.	Korea, Korean
Kuw.	Kuwait, Kuwaiti
Ky.	Kentucky
l.	lake; lane
La.	Louisiana
Lab.	Labrador, Labradorian
Lancs.	Lancashire

lang.	language
Lat.	Latin
Lat.Am.	Latin America, Latin American
law.	lawyer
lb	pound(s)
Leb.	Lebanon, Lebanese
Lee.Is.	Leeward Islands
leg.	legend, legendary; legislation
Leic.	Leicestershire
Les.	Lesotho
Lib.	Liberia, Liberian
libn.	librarian
Liech.	Liechtenstein
lieut.	lieutenant
Lincs.	Lincolnshire
ling.	linguistics, linguist
lit.	literature, literary
Lith.	Lithuania, Lithuanian
litho.	lithography, lithographer
Ltd.	Limited
Luxem.	Luxembourg, Luxembourgian
m.	married
Maced.	Macedonia, Macedonian
Mad.	Madagascar, Madagascan
mag.	magazine
maj.	major
Mal.	Malaysia, Malaysian
Malag. Rep.	Malagasy Republic
Mald.	Maldives, Maldivan
Man.	Manitoba
manag.	manager
Mart.	Martinique, Martinican
Mass.	Massachusetts
math.	mathematics, mathematician, mathematical
Maur.	Mauritius; Mauritania
Md.	Maryland
Me.	Maine
meas.	measure, measurement
mech.	mechanics
med.	medicine, medical
Medit.	Mediterranean
mer.	merchant
Mers.	Merseyside
Mesop.	Mesopotamia, Mesopotamian
met.	metallurgy, metallurgist, metallurgical
meteorol.	meteorology, meteorologist
Mex.	Mexico, Mexican
mfr.	manufacture, manufacturer
mi	mile(s)
Mich.	Michigan
microbiol.	microbiology, microbiologist
mil.	military
min.	mineral, mining, mineralogist, mineralogical
minis.	minister
Minn.	Minnesota
Miss.	Mississippi
Mo.	Missouri
mod.	modern
mon.	monument
Mon.	Monaco, Monacan, Monagasque
Mong.	Mongolia, Mongolian
Mont.	Montana
Monts.	Montserrat
Mor.	Morocco, Moroccan
Moz.	Mozambique, Mozambican
ms(s).	manuscript(s)
Mt., Mts., mt., mts.	mount(s), mountain(s)
mun.	municipality
mus.	music, musician, musical
myth.	mythology, mythological
N.	North, Northern
N.Af.	North Africa
N.Am.	North America
nat.	naturalist
natl.	national
naut.	nautical
nav.	naval
navig.	navigator
N.B.	New Brunswick
N.C.	North Carolina
N.Cal.	New Caledonia
N.Dak., or N.D.	North Dakota
Neb.	Nebraska
Neth.	The Netherlands
Neth.Ant.	Netherlands Antilles
Nev.	Nevada
news.	newspaper
Nfd.	Newfoundland
N.G.	New Guinea
N.H.	New Hampshire
Nic.	Nicaragua, Nicaraguan
nick.	nickname
Nig.	Nigeria, Nigerian
N.Ire.	Northern Ireland
N.J.	New Jersey
N.Kor.	North Korea
N.Mex., or N.M.	New Mexico
Nor.	Norway, Norwegian
Norf.	Norfolk
Northants.	Northamptonshire
Northum.	Northumberland
Notts.	Nottinghamshire
N.S.	Nova Scotia
N.S.W.	New South Wales
N.Terr.	Northern Territory (Australia)
N.W. Terr.	Northwest Territories (Canada)
N.Y.	New York
N.Y.C.	New York City
N.Yorks.	North Yorkshire
N.Z.	New Zealand
obl.	*oblast*
of.	officer
offi.	official
Okla.	Oklahoma
okr.	okrug
Ont.	Ontario
op.cit.	in the work cited (Latin *opere,* or *opus, citato*)
Ore.	Oregon
org(s).	organization(s)
osteol.	osteology
osteop.	osteopathology, osteopath
Oxon.	Oxfordshire
p.	page
Pa.	Pennsylvania
Pac.O.	Pacific Ocean
paint.	painting, painter
Pak.	Pakistan, Pakistani
Pal.	Palestine, Palestinian
paleob.	paleobotany, paleobotanist
paleog.	paleogeography
paleon.	paleontology, paleontologist
Pan.	Panama, Panamanian
Pap.N.G.	Papua New Guinea, Papuan
Par.	Paraguay, Paraguayan
parl.	parliament
passim to	references scattered between pages cited
path.	pathology, pathologist
P.E.I.	Prince Edward Island
penin.	peninsula
period.	periodical
Pers.	Persia, Persian
petrol.	petrology, petrologist
pharm.	pharmacy, pharmacist, pharmacology, pharmacologist
Phil.	Philippines
philan.	philanthropy, philanthropist
philol.	philology, philologist
philos.	philosophy, philosopher
phot.	photography, photographer
phys.	physics, physicist
physic.	physician
physiol.	physiology, physiologist, physiological
plat.	plateau
Pol.	Poland, Polish
pol.	politics, politician, political
pol.sci.	political science
Poly.	Polynesia, Polynesian
pop.	population
Port.	Portugal, Portuguese
poss.	possession
P.R.	Puerto Rico, Puerto Rican
pr.	priest
preft.	prefecture
prelim.	preliminary (census)
pres.	president
print.	printing, printer
pr.min.	prime minister
prof.	professor
Prot.	Protectorate; Protestant
prov.	province, provincial
pseud.	pseudonym, pseudonymous
psychol.	psychology, psychologist, psychological
pt.	point
ptg.	printing
pub.	public; publication
publ.	publisher
pvt.	private
q.	queen
qq.v.	which see (plural; Latin *quae vide*)
Que.	Quebec, Quebecer, Quebecker
Queens., or Qld.	Queensland
q.v.	which see (singular; Latin *quod vide*)
Rd., rd.	road
rear adm.	rear admiral
ref.	reference
reg.	region
rel.	religion, religious
rep.	representative; republic
res.	reservoir
reserva.	reservation
resid.	residency
rev.	revolution, revolutionary
R.I.	Rhode Island
riv.	river
Rom.	Romania, Romanian
R.R., r.r.	railroad
Russ.	Russia, Russian
Rw.	Rwanda, Rwand
ry.	railway
S.	South, Southern
S., s.	Saint (*San, Santo, Sant'*)
S.Af.	South Africa, South African
Sam.	Samoa, Samoan
S.Am.	South America, South American
San Mar.	San Marino
Sask.	Saskatchewan
Saud. Arab.	Saudi Arabia, Saudi, Saudi Arabian
S.Austr.	South Australia
S.C.	South Carolina
Scand.	Scandinavia, Scandinavian
schol.	scholar
sci.	science, scientist, scientific
Scot.	Scotland, Scottish
sculp.	sculpture, sculptor
S.Dak., or S.D.	South Dakota
sen.	senator
Sen.	Senegal, Senegalese
Sey.	Seychelles
S.F.S.R.	Soviet Federated Socialist Republic
S.Glam.	South Glamorgan
sgt.	sergeant
Shrops.	Shropshire
Sib.	Siberia, Siberian
Sing.	Singapore, Singaporan
S.Kor.	South Korea
S.L.	Sierra Leone
soc.	society, social; socialist
sociol.	sociology, sociologist, sociological
Sol.Is.	Solomon Islands
Som.	Somali, Somalia (Somali Republic), Somalian
Somer.	Somerset
Sov.	Soviet
Sp.	Spain, Spanish
spr(s).	spring(s)
Sr.	Senior
SS	Steamship
SS., ss.	Saints
S.S.R.	Soviet Socialist Republic
St., st.	Saint (*Sankt, Sint*); street
Sta.	Saint (*Santa*)
Staffs.	Staffordshire
states.	statesman
statis.	statistician, statistics
Ste.	Saint (*Sainte*)
St.Kitts	Saint Kitts-Nevis-Anguilla
St.P.&M.	Saint Pierre and Miquelon
str.	strait
Sud.	Sudan, Sudanese
Suff.	Suffolk
Sum.	Sumatra
Sur.	Suriname
surg.	surgery, surgeon
S.W.A.	South West Africa/ Namibia
Swaz.	Swaziland
Swed.	Sweden, Swedish
Switz.	Switzerland
S.Yorks.	South Yorkshire
Syr.	Syria, Syrian
Tai.	Taiwan, Taiwanese
Tan., or Tanz.	Tanzania, Tanzanian
Tas.	Tasmania, Tasmanian
tech.	technology, technological
Tenn.	Tennessee
terr.	territory, territorial
Tex.	Texas
Thai.	Thailand, Thai
thea.	theatre, theatrical
theol.	theology, theologian, theological
Tib.	Tibet, Tibetan
trag.	tragedy, tragedian
Tr. and Tob.	Trinidad and Tobago
trans.	translated, translation, translator
trib.	tributary
trig.	trigonometry
Tr.Terr. Pac.Is.	Trust Territory of the Pacific Islands
Tun.	Tunisia, Tunisian
Tur.	Turkey, Turkish
Tuv.	Tuvalu, Tuvaluan
twp.	township
typog.	typography
U.A.E.	United Arab Emirates
Ugan.	Uganda, Ugandan
U.K.	United Kingdom
UN	United Nations
Univ., univ.	university
Urug.	Uruguay, Uruguayan
U.S.	United States
U.S.A.	United States of America
U.S.S.R.	Union of Soviet Socialist Republics
Va.	Virginia
val.	valley
Van.	Vanuatu
Venez.	Venezuela, Venezuelan
vet.	veterinarian, veterinary
Vic.	Victoria
vice adm.	vice admiral
vice pres.	vice president
Viet.	Vietnam, Vietnamese
vil.	vilayet
Vir.Is.	Virgin Islands
viz.	namely (Latin *videlicet*)
vol.	volume(s)
Vt.	Vermont
W.	West, Western
w.	wife
W.Af.	West Africa, West African
Warw.	Warwickshire
Wash.	Washington
W.Austr.	Western Australia
W.Ger.	West Germany
W.I.	West Indies
Wilts.	Wiltshire
Wis.	Wisconsin
W.Mids.	West Midlands
writ.	writer
W.Sam.	Western Samoa, Western Samoan
W.Susx.	West Sussex
W.Va.	West Virginia
W.W.	world war
Wyo.	Wyoming
W.Yorks.	West Yorkshire
Yem.	Yemen, Yemeni
Yugos.	Yugoslavia, Yugoslavian
Zimb.	Zimbabwe, Zimbabwean
zool.	zoology, zoologist, zoological
Zor.	Zoroastrianism, Zoroastrian

A

". . . & Company," *or* ". . . et Cie" (work by Bloch)
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A-1 (Sov. rocket)
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A-4, *or* Skyhawk (airplane)
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A-4 (Ger. missile): *see* V-2 rocket
A-6, *or* Intruder, *or* Grumman A-6 Intruder (airplane)
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A-7, *or* Corsair II (airplane)
design of attack aircraft **1**:684:1b
A-10A, *or* Fairchild A-10A (airplane)
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A-26, *or* B-26, *or* Invader, *or* Douglas B-26 Invader (airplane)
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A band (physiol.)
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A-ch'eng, *or* Acheng, *or* Ashihho (China) **1**:1:1a
a contrario (argument)
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A current (biol.)
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A-effect (thea.): *see* alienation effect
A-erh-chin Mountains, *or* A-erh-chin Shan, *or* A-erh-chin Shan-mo, *or* Altun Shan, *or* Altyn Tagh, *or* Astin Tagh, *or* Altay Shan (mts., China) **1**:1:1b
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"A la recherche du temps perdu" (novel by Proust): *see* "Remembrance of Things Past"
"A la recherche d'une musique concrète" (book by Schaeffer)
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A-ni-ma-ch'ing Shan (mts., China): *see* Amne Machin
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A-pa Tibetan Autonomous Prefecture (aut.area, China)
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AA-7, *or* Apex (missile)
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AAA (1933, U.S.): *see* Agricultural Adjustment Act
AAA (Am. hist.): *see* Agricultural Adjustment Administration
AAA (Am. org.): *see* American Automobile Club
AAA (Am. sports org.): *see* Amateur Athletic Association
AAA (Arg. pol. org.): *see* Argentine Anti-Communist Alliance
AAAS (sci. org., U.S.): *see* American Association for the Advancement of Science
Aabenraa (Den.): *see* Åbenrå
AAC (Br. sports org.): *see* Amateur Athletic Club
Aachen, *or* Aken, *or* Aix-la-Chapelle, *or* Aquisgranum (W.Ger.) **1**:1:3b
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Aachen, Johann von (Ger. paint.)
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Aare Massif, *or* Aar Massif (mt., Switz.)
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Aare River, *or* Aar River (riv., Eur.) **1**:4:1b
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AAUP (Am. org.): *see* American Association of University Professors
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Academy of Motion Picture Arts and Sciences **8:**363:1b
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Acadian Forest (forest, N.Am.): *see* Eastern Upland forest
Acadian Geosyncline (geol.)
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Acalypha wilkesiana (bot.): *see* copperleaf
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Acanthis cannabina (zool.): *see* linnet
Acanthisittidae (zool.): *see* Xenicidae
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Acanthocybium solanderi (fish.): *see* wahoo
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Acanthodes (fish)
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Acanthodian, *or* Acanthodii (zool.): *see* spiny shark
Acanthodoras spinosissimus (zool.): *see* talking catfish
Acantholimon (bot.): *see* prickly thrift
Acanthometrida (protozoa)
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Acanthophis pyrrhus (reptile): *see* desert death adder
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classification **26:**315:1b
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Acanthoscelides obtectus: *see* bean weevil
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Acarida (arachnid): *see* mite
Acarie, Barbe-Jeanne Avrillot, Mme (Fr. mystic): *see* Mary of the Incarnation
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Acatenango (volcano, C.Am.)
physiography of Guatemala **15:**684:1a, 707:2a
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ACC (Am. athletic org.): *see* Atlantic Coast Conference
Accademia . . . : *see under* substantive word, *e.g.,* Crusca, Accademia della, except as below
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Accademia Bridge (bridge, Venice, It.)
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"Accedens of Armorie, The" (book by Legh)
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acceleration, centripetal, *or* normal acceleration (phys.): *see* centripetal acceleration
acceleration, instantaneous (phys.): *see* instantaneous acceleration
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accentor, *or* Prunella (bird) **1:**54:1b
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accentual metre (poetry): *see* strong-stress metre
accentual-syllabic metre, *or* accentual-syllabic verse (prosody): *see* syllable-stress metre
accentual verse (poetry): *see* syllable-stress metre
"Accepit Jesus calicem" (motet by Palestrina)
discussed in biography **9:**83:3a
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acceptance, *or* acceptance credit, *or* acceptance bill, *or* trade acceptance, *or* bankers' acceptance (fin.) **1:**54:1b
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Acci (Sp.): *see* Guadix
Acciaiuoli, Niccolò (It. states. and soldier) **1:**54:2b
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accident, fallacy of: *see* fallacy of accident
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"Accomplices, The," *or* "Die Mitschulden" (work by Goethe)
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"Accomplished Senator, The," *or* "A Common-wealth of Good Counsaile," *or* "De optimo senatore," *or* "The Counsellor Exactly Pourtraited" (work by Goslicki)
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Accorso, Francesco (It. legal schol.): *see* Accursius, Franciscus
"Account of a New Anaesthetic Agent" (work by Simpson)
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"Account of Corsica, The Journal of a Tour to That Island; and Memoirs of Pascal Paoli, An" (work by Boswell)
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"Account of Spots Observed on the Sun and of their Apparent Rotation with the Sun" (work by Fabricius): *see* "Narratio de maculis in sole observatis et apparente earum cum sole conversione"
"Account of the Foxglove, and Some of Its Medical Uses, An" (work by Withering)
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"Account of the Growth of Popery, and Arbitrary Government in England, An" (work by Marvell)
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American Indian languages **22:**780:2b
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Acer (bot.): *see* maple
Acer capillipes (bot.): *see* red snake-bark maple
Acer cappadocicum (bot.): *see* Coliseum maple
Acer circinatum (bot.): *see* vine maple
Acer compestre (bot.): *see* hedge maple
Acer davidii (bot.): *see* David's maple
Acer ginnala (bot.): *see* Amur maple
Acer grandidentatum (bot.): *see* big-toothed maple
Acer griseum (bot.): *see* paperbark maple
Acer hersii (bot.): *see* Her's maple
Acer leucoderme (bot.): *see* chalk maple
Acer macrophyllum (bot.): *see* Oregon maple
Acer miyabei (bot.): *see* Miyabe maple
Acer negundo (bot.): *see* box elder
Acer palmatum (bot.): *see* Japanese maple
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Aceras anthropophorum (bot.): *see* man orchid
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acetate, *or* acetylcellulose (chem. compound)
alcohol conversion **13:**217:2b
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acetate fibre, *or* acetate, *or* acetate rayon (textile)
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major ref. in Muscles and Muscle Systems **24:**466:1b
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America National Trust & Savings Association, Bank of (Am. fin. org.)
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"American, The" (novel by James)
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American Airlines, Inc., *or* American Airways, Inc.
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American alligator (zool.): *see* Mississippi alligator
American Amateur Baseball Congress (sports org.)
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American barberry, *or* Allegheny barberry, *or* Berberis canadensis (bot.)
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American beech, *or* Fagus grandifolia, *or* red beech (bot.)
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history of fundamentalism **5:**51:3a
American Bible Society, *or* ABS (rel. org.) **1:**326:2a
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American bittern, *or* Botaurus lentiginosus, *or* stake driver, *or* thunder pumper (bird)
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American Bowling Congress, *or* ABC (sports org.)
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"American Cantata" (work by Foss)
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Arras, Union of, *or* Union of Artois (Eur. hist.)
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Arrazeria Medicea (factory)
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Arrebo, Anders (Dan. au.)
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Arrecifos (isl., Palau): *see* Babelthuap
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Arresø Lake (l., Den.)
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Arrest, Heinrich Louis d' (Ger. astron.) **1:**587:2a
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arrestable offense (law)
role in British criminal code **16:**798:2a
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Arretine ware (Roman pottery): *see* terra sigillata ware
Arretium (It.): *see* Arezzo
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Arrhenatherum elatius bulbosum (bot.): *see* onion couch
Arrhenius, Svante August (Swed. chem.) **1:**587:2a
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Arrhenius equation **1:**587:3b
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chemical kinetics **15:**1050:2a
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life's origin by panspermia **22:**992:2a
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Arrhenius theory (chem.) **1:**588:1a
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Arrhidaeus (k. of Maced.): *see* Philip III Arrhidaeus
arrhythmia (path.): *see* cardiac arrhythmia
Arriaca (Sp.): *see* Guadalajara
Arriaga, Camilo (Mex. rev.)
role in Mexican history **24:**46:2a
Arriaga, Manuel José de (pres. of Port.)
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Arriaga y Balzola, Juan Crisóstomo Jacobo Antonio (Sp. comp.) **1:**588:1b
Arrian, *or* Flavius Arrianus (Gr. hist.) **1:**588:1b
descriptions of Alexander the Great's campaigns **13:**245:1b
use of Ptolemy I's writings **9:**772:1a
Arriflex camera
viewing system **24:**431:2a
Arrighi (typeface)
use in Morison's typography **26:**102:1a
Arrighi, Cletto, *or* Carlo Righetti (It. writ.)
member of scapigliatura **10:**500:2b
Arrighi, Lodovico degli (calligrapher)
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practice of calligraphy **29:**1068:2b, *illus.*
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"Arrival of Cardinal Francesco Gonzaga" (fresco by Mantegna)
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French administration **25:**429:2b; **25:**987:2b
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"Arrow" (Br. ship)
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Arrow Cross Party, *or* Nyilaskeresztes Part, *or* Party of National Will (Hung. org.) **1:**588:2b
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"Arrow of God" (work by Achebe)
African literature **13:**139:1a
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arrow-poison frog **1:**588:3a
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poisonous animals *illus.* Plate 6 fol. **25:**910
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Arrow War, *or* Second Opium War (Chin. hist.)
major ref. in Opium Wars **8:**967:3b
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Chinese history **16:**124:2a
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"Arrowsmith" (novel by Lewis)
discussed in biography **7:**314:3a
Arrowsmith, Aaron (Br. geog. and cartog.) **1:**589:2a
arrowwood, *or* Viburnum dentatum (bot.)
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arrowworm, *or* chaetognath, *or* Chaetognatha (marine animal) **1:**589:2b

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arroyo, *or* coulee, *or* dry wash, *or* oued, *or* wadi, *or* wash (dry channel) **1:**590:1b
major ref. in Geomorphic Processes **20:**13:2b, *illus.*
geometry of river systems **26:**893:2a
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Arroyo del Río, Carlos (pres. of Ec.)
history of Ecuador **17:**1043:1a
Arrupe, Pedro (gen. of the Soc. of Jesus) **1:**590:2a
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Ars, Curé d' (Fr. pr.): *see* Vianney, Saint Jean-Baptiste-Marie
"Ars amatoria" (work by Ovid): *see* "Art of Love"
Ars Antiqua (mus. hist.) **1:**590:2a
relationship to Ars Nova **24:**552:2b
for a list of related subjects see PROPAEDIA: Section 624
"Ars cantus mensurabilis" (work by Franco of Cologne)
contribution to Ars Antiqua **1:**590:2b
"Ars magna" (work by Cardano)
discussed in biography **2:**858:3b
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"Ars magna" (work by Llull)
discussed in biography **7:**426:2b
"Ars maior" (work by Aelius Donatus)
discussed in biography **4:**173:2b
"Ars minor" (work by Aelius Donatus)
discussed in biography **4:**173:2b
Ars Nova (mus.) **1:**590:2b
major ref. in The History of Western Music **24:**552:2b
influenced by Machaut **7:**627:1a
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"Ars nova," *or* "Logica nova" (logic)
Aristotelianism **25:**573:1b
"Ars Nova" (work by Vitry)
discussed in biography **12:**406:2b
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"Ars novae musicae" (work by Muris)
discussed in biography **8:**431:2a
"Ars poetica," *or* "The Art of Poetry" (work by Horace) **1:**590:3b
discussed in biography **6:**58:2a, 59:1a
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Latin literature **22:**853:1a
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influence on Renaissance drama **23:**157:2b
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"Ars vetus," *or* "Logica vetus" (logic)
Aristotelianism **25:**573:1b
Arsaces (k. of Arm.)
relationship to Artabanus III **1:**597:3b
Arsaces (k. of Pers.): *see* Artaxerxes II
Arsaces I (k. of Parthia)
foundation of
Nisa **8:**722:3b
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leadership of the Parni **9:**166:2b
place in Arsacid dynasty **1:**590:3b; **1:**591:1a
Arsaces II (k. of Parthia): *see* Artabanus I
Arsaces VI (k. of Parthia): *see* Mithradates I
Arsacia (Iran): *see* Rayy
Arsacid dynasty, *or* Arshakuni dynasty (anc. Iranian dynasty) **1:**591:1a
capital at Hecatompylos **5:**793:2a
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leadership of the Parni **9:**166:2b
occupation of Armenia **28:**1069:2b
use of Arsaces as throne name **1:**590:3b
arsefoot (bird): *see* grebe
Arsenal (dist., Venice, It.)
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"Arsenal" (film by Dovzhenko)
place in motion picture history **24:**390:1a
arsenate mineral 1:591:1a
major ref. in Minerals and Rocks **24:**136:1b
sources **21:**409:2a
for a list of related subjects see PROPAEDIA: Section 214
arsenic, *or* As (chem. element) **1:**591:2a
major ref. in Chemical Elements **15:**982:2b, 987:2a, *table* 985
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abundances of the elements *table* **15:**940
geochemical balance of elements in seawater *table* **15:**946
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bronzing **2:**548:2a
formation of copper salts **21:**399:2b
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periodic table of the elements *illus.* **15:**952
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see also arsenic poisoning; and compounds by name, *e.g.,* arsine
arsenic hydride (chem. compound): *see* arsine
arsenic poisoning 1:592:1b
atrophy of tissue **1:**683:2b
caused by arsenic compounds **15:**988:1b
effect on blood vessels and nervous system **17:**325:2b
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arsenide (min.) **1:**592:2a
major ref. in Minerals and Rocks **24:**130:1b
sources **21:**409:2a
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arsenious oxide (chem. compound): *see* white arsenic
arsenious pentoxide (chem. compound)
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Arsenite schism (Byz. hist.)
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Arsenius the Great, *or* Arsenius of Rome (Roman monk) **1:**592:2b
arsenolamprite (min.)
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arsenopyrite, *or* mispickel (min.) **1:**592:3b
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Arsenyevka River (riv., As.)
tributary of Ussuri River **12:**215:1b
Arses (k. of Pers.) **1:**593:1a
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Arshakan (k. of Parthia): *see* Sanatruces
Arshakuni dynasty (anc. Iranian dynasty): *see* Arsacid dynasty
Arshawsky, Arthur (Am. mus.): *see* Shaw, Artie
Arsi, *or* Arssi, *or* Arusi (prov., Eth.) **1:**593:1a
Arsi Savara (people)
ethnological affinity with Savara **10:**480:2a
arsine, *or* arsenic hydride (chem. compound)
major ref. in arsenic **1:**592:1a
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Arsinoe (Cyp.): *see* Famagusta
Arsinoe (archae. site, Egy.): *see* Shedet
Arsinoe I (q. of Egy.) **1:**593:1b
relationship with Ptolemy II Philadelphus **9:**772:1b
Arsinoe II (q. of Thrace and Egy.) **1:**593:2a
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Lysimachus **7:**594:2b
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Arsinoe III (q. of Egy.) **1:**593:2b
Arsinoe IV (Egy. noble) **1:**593:3a
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Arsinoitherium (mammal) **1:**593:3b
Arsissa Lacus (l., Tur.): *see* Van, Lake
arslan (Turkic tribal title)
Qarluq Confederation **9:**832:2b
Arslan, Amir Shakib (Leb. writ.)
contribution to Islamic literature **22:**61:1b
Arslan ibn Toghril (Seljuq ruler)
guardianship by Shams ad-Din Eldeguz **4:**420:2b
relations with Salghurid dynasty **10:**352:2b
Arslan Tash (anc. site, Mesop.)
ancient Mesopotamian sites *map* **21:**919
Arslantepe (Tur.): *see* Milid
Arso (Arab. deity)
role in pre-Islamic Arabian religions **24:**71:2b
arson 1:593:3b
treatment in criminal law **16:**799:2a
Arsonval, Jacques-Arsène d' (Fr. physic. and phys.) **1:**594:1b
see also d'Arsonval galvanometer
Arsouf, Battle of (Third Crusade): *see* Arsuf, Battle of
arsphenamine, *or* Salvarsan (drug) **1:**594:1b
major ref. in Medicine **23:**894:2a
discovery by Ehrlich **3:**162:2a; **4:**395:2b; **21:**268:2a
importance to medical technology **28:**474:1b
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Arssi (prov., Eth.): *see* Arsi
Arsuf (anc. town, Isr.)
association with Herzliyya **5:**896:3a
capture by Baybars I **1:**979:2b
see also Herzliyya
Arsuf, Battle of, *or* Battle of Arsouf (Third Crusade) **1:**594:1b
Arsuk Fjord (fjord, Green.)
association with Ivittuut **6:**442:3a, *illus.*
art 1:594:2a
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Burckhardt **2:**641:1a
Winckelmann **12:**695:3b
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advertising **23:**545:1b
American Indian society **13:**393:1b
changes wrought in the Renaissance **25:**345:1a
Greek mythology **18:**791:1b
legal protection in socialist law **22:**944:1b
social status of artists **25:**304:1b
Europe **18:**628:2b
folk artists **19:**309:1a
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popular artists **25:**1015:1a
theatrical artists **28:**595:2a
see also aesthetics; art, philosophy of; art conservation and restoration; art history; criticism (art); patronage; religious art; style (art); particular arts, *e.g.,* architecture; dance; literature; music; painting; popular art; and individual artists, countries and regions, national and cultural groups, genres, movements, schools, and works of art by name
"Art" (work by Bell)
discussed in biography **2:**68:2b
art, academy of 1:594:3b
Art, Île (is., N.Cal.)
physiography of Îles Bélep **2:**59:1a
"Art, L'" (work by Ozenfant): *see* "Foundations of Modern Art, The"
art, philosophy of
major ref. in Philosophies of the Branches of Knowledge **25:**703:2b
philosophical schools and doctrines
Existentialism **25:**622:2b
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philosophy of
Aristotle **14:**66:2b
Molière **24:**304:2b
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views on style **14:**142:1a
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Art, School of (bldg., Glasgow, U.K.): *see* Glasgow School of Art
Art and Architecture, School of (Yale Univ., New Haven, Conn., U.S.)
design by Rudolph **10:**232:2b, *illus.*
Art and Crafts, Museum of, *or* Museum für Kunst und Gewerbe (museum, Hamburg, W.Ger.)
ancient artifacts collection **20:**473:2b
"Art and Its Objects" (work by Wollheim)
contribution to aesthetics **13:**23:2b
"Art and Revolution," *or* "Die Kunst und die Revolution" (work by Wagner)
discussed in biography **12:**448:3a
"Art and Social Life," *or* "Iskusstvo i obshchestvennaya zhizn" (work by Plekhanov)
place in aesthetics **13:**27A:1b
"Art and Visual Perception" (work by Arnheim)
treatment of Gestalt aesthetics **13:**23:1a
"Art as Experience" (work by Dewey)
place in aesthetics **13:**27A:1b
art brut 1:595:2a
contribution by Dubuffet **4:**250:1b
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for a list of related subjects see PROPAEDIA: Section 628
art collecting
major ref. in The Practice and Profession of the Arts **14:**127:1b
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masks **23:**587:2a
museums **24:**479:1a, 488:1b
art colony
effect on artistic productivity **14:**115:2a
Art Concret (Eur. art group)
establishment by Hélion **5:**812:3b
art conservation and restoration 14:85:1a; **1:**595:3a
comparison with forgery **14:**135:2b
preservation of paintings **25:**311:1b
restoration of
Abu Simbel **1:**47:2a
masks **23:**587:2a
medieval buildings **10:**564:3b
Olympia stadium **8:**923:2a
role of museums **24:**488:2b
"Art Critic" (Am. pub.)
establishment by Hartmann **5:**730:1a
art criticism 14:103:1a; **1:**596:1b
see also criticism
"Art de conserver, pendant plusieurs années, toutes les substances animales et végétales, L'"

(work by Appert): *see* "Art of Preserving All Kinds of Animal and Vegetable Substances For Several Years, The"
"Art de dictier, L' " (work by Deschamps)
discussed in biography **4:**30:2a
"Art de la cuisine au dix-neuvième siècle, L' " (cookbook by Carême)
development of French gastronomy **19:**693:1a
"Art de rhetorique" (work by Molinet)
discussed in biography **8:**234:2b
Art Deco, *or* Style Moderne **1:**596:2a
Baccarat glass **1:**772:3a
Chrysler Building **3:**290:3a
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for a list of related subjects see PROPAEDIA: Section 613
"Art du dix-huitième siècle, L' " (work by Goncourt brothers): *see* "French Eighteenth Century Painters"
"Art du peintre, doreur, vernisseur, L' " (work by Watin)
account of lacquerwork **17:**177:2b
"Art du théâtre, L' " (treatise by Bernhardt)
discussed in biography **2:**150:3b
art education: *see* art
art embroidery: *see* art needlework
art fairy tale (lit.): *see* fairy tale
art festival (music): *see* music festival
art for art's sake
effect on literary style **23:**90:2a
influence on
French literature **19:**579:2a
Greek painting **25:**325:1b
literary criticism **23:**205:2a
role in nonfictional prose literature **23:**186:2a
Romantic symbol of European culture **18:**702:1a
theme of ancient Latin neoteroi **22:**850:1a
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art gallery: *see* art
Art Gallery of New South Wales (museum, Sydney, N.S.W., Austr.) **1:**596:2b
art history, *or* art historiography **1:**596:3a
importance to classical scholarship **27:**29:2a
Art Informel (art movement)
association with Tachism **11:**486:2b
Art Institute of Chicago, *or* Chicago Academy of Design (museum, Chicago, Ill., U.S.) **1:**596:3b
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Art Museum of the Socialist Republic of Romania (museum, Bucharest, Rom.)
effect on cultural life in Bucharest **2:**596:2b
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variety of embroidery **4:**471:2b
Art Nouveau, *or* Jugendstil, *or* Modernismo, *or* Modernista, *or* Sezessionstil, *or* Stile Floreale, *or* Stile Liberty **1:**596:3b
contribution by
Beardsley **2:**13:1b
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Velde **12:**297:1a
effect on Vienna's architecture **29:**497:2b
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architecture **13:**946:2b, *illus.* 947; **13:**1041:1b
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glassmaking **17:**212:1b
lustred glass **7:**570:3b
stained glass **17:**199:1a
interior design **17:**38:1a
jewelry **17:**481:2b, *illus.* 482
medals **16:**552:1b
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metalwork **17:**156:2a *passim to* 160:2b
painting **25:**369:2b, *illus.* Plate 22 fol. 370
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typography **26:**99:2b
influence on
Kandinsky **6:**711:3b
Mies van der Rohe **8:**116:2a
Munch **8:**415:1b
for a list of related subjects see PROPAEDIA: Section 613
"Art of Bullfighting, The," *or* "El Arte del Toreo" (book on bullfighting)
views on Ortega **8:**1015:1b
"Art of Dancing, The" (work by Tomlinson)
chaconne *illus.* **3:**50
"Art of Grammar, The" (work by Dionysius Thrax)
study of grammar **5:**410:3a
"Art of Love," *or* "Ars amatoria" (work by Ovid)
basis of courtly love concept **3:**687:1a
discussed in biography **9:**19:1a
history of pornography **9:**615:3b
place in Latin didactic poetry **22:**851:2a
"Art of Painting, The" (poem by Céspedes)
discussed in biography **3:**43:3b
"Art of Playing on the Violin, The" (work by Geminiani)
discussed in biography **5:**169:2b
"Art of Poetry, The" (work by Horace): *see* "Ars poetica"
"Art of Preserving All Kinds of Animal and Vegetable Substances For Several Years, The," *or* "L'Art de conserver, pendant plusieurs années, toutes les substances animales et végétales" (work by Appert)
discussed in biography **1:**491:3b
"Art of Rehearsal, The" (work by Shaw)
actors and directors **28:**523:2b
"Art of the Catholic Faith, The" (work by Alain de Lille)
discussed in biography **1:**199:2b
"Art of the Fugue, The" (work by Bach)
chamber music style of Bach **24:**569:1a
collection of fugues **24:**575:2a
discussed in biography **14:**542:1b
"Art of Theatre, The" (work by Craig)
impact on Western theatre **28:**546:2b
"Art of Thought" (book by Wallas)
views on artistic creation **25:**712:1a
"Art of War," *or* "The Arte of Warre," *or* "Dell'arte della guerra" (work by Machiavelli)
discussed in biography **7:**629:1b
place in
Italian literature **22:**155:2a
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Renaissance philosophy **25:**757:1a
"Art of War, The," *or* "Ping-fa" (work by Sun-Tzu)
discussed in biography **11:**389:2b
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guerrilla warfare **5:**544:3a
military intelligence **6:**338:2a; **21:**718:2a
propaganda and warfare **26:**168:1b
"Art poétique" (poem by Verlaine)
discussed in biography **12:**320:1b
"Art poétique, L' " (work by Boileau-Despréaux)
discussed in biography **2:**332:2a
influence on dramatic literature **23:**158:1a, 178:2b
"Art poétique, L' " (work by Vauquelin de la Fresnaye)
discussed in biography **12:**285:2a
art restoration: *see* art conservation and restoration
Art Ross Trophy (sports award)
history of ice hockey **28:**156:1b
art song (mus.)
characteristics **11:**11:2a
comparison to ballade **1:**838:2a
contribution by Brahms **2:**463:2b
development of vocal music **24:**606:2b
"Art Spirit, The" (paint. by Henri)
discussed in biography **5:**833:2a
"Art Work of the Future, The," *or* "Das Kunstwerk der Zukunft" (work by Wagner)
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Shakespeare **27**:268:1b
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"Biographie universelle" (compilation by Michaud)
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major ref. in Art of Literature **23**:195:2b
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Boswell **2**:405:3b
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ancient Greek prose **20**:356:2b
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historiography **20**:560:1b
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see also autobiography
"Biography," *or* "Biografie" (work by Frisch)
discussed in biography **5**:14:2a
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Bioko, *or* Fernando Po, *or* Fernando Póo, *or* Macías Nguema Biyogo, *or* Formosa (isl. and prov., Equat.Guin.) **2**:222:2b
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biological classification: *see* taxonomy
biological clock, *or* internal clock
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biological cycle: *see* biological rhythm
biological malformation, *or* physical deformity
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biological membrane: *see* membrane
biological oceanography, *or* marine ecology (Earth sci.)
branches of ecology **14:**960:2a
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growth **20:**363:2b
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biological productivity, *or* organic productivity (biol.) **2:**222:3b
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effect on biosphere **14:**979:2a
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biological rhythm, *or* biorhythm, *or* internal clock **2:**222:3b
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bird migration **14:**668:2b; **22:**878:1b
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Aristotle **14:**60:2a
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Aristotle's science **24:**11:2a
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bioengineering **18:**423:1a
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see also anthropology; biochemistry; biophysics; botany; ecology; economic biology; embryology; ethology; eugenics; genetics; gnotobiosis; morphology; paleontology; phylogeny; physiology; psychology; zoology; and individual scientists and schools by name
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Pearl **9:**226:3b
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exploration and mapping of Nile River **13:**126:1a
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bipolar flow, *or* bipolar outflow (astron.)
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see also gray birch; river birch; sweet birch; white birch; yellow birch
Birch, Francis (Am. geophys.)
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Birch, James W. W. (Br. states.)
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Birch, L. C. (Austr. ecologist)
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birch fungus, *or* Polyporus betulinus
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location on the Sabi River **10**:281:2b, *illus.*
Bird (Am. mus.): *see* Parker, Charlie
bird, *or* Aves (zool.) **15**:1:1a; **2**:229:3a
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chemoreception **3**:161:3b; **27**:137:2b
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angiosperms **13**:682:2b, 776:2b, 811:1a
symbolic use in Oceanian arts **25**:107:2a
for a list of related subjects see PROPAEDIA: Section 313
see also bird of prey; bird song; flight; vital functions and organ systems, *e.g.,* respiration; respiratory system; tissues and organs unique to birds, *e.g.,* feather; gizzard; and scientific and common names of classes, orders, families, genera, and species of birds
Bird, Cyril Kenneth, *or* Fougasse (Br. cartoonist) **2**:230:1b
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Bird, Robert Montgomery (Am. au.) **2**:230:2a
Bird, Vere (pr.min. of Ant. and Barbuda)
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bird flower, *or* ornithophilous flower (bot.)
method of pollination **26**:674:1a
"Bird in Space," *or* "Maiastra" (sculp. by Brancusi)
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Bird Island, *or* Aves Island, *or* Isla Aves, *or* Islote Aves (islet, Carib.) **2**:230:2b
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bird park: *see* aviary
bird rug, *or* bird carpet, *or* White Ushak (carpet) **2**:231:2a
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Bird Woman (Am. expl.): *see* Sacajawea
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Birdman of Alcatraz (Am. criminal and ornithologist): *see* Stroud, Robert Franklin
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bird's-foot violet, *or* Viola pedata (bot.)
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discussed in biography **7**:611:2b
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"Black Rain," *or* "Kuroi ame" (work by Ibuse Masuji)
discussed in biography **6**:229:1b
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Black River, *or* Li-hsien Chiang, *or* Pa-pien Chiang, *or* Song Da (riv., As.) **2**:257:3a
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black spruce, *or* Picea mariana (bot.)
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Black titi (bot.): *see* buckwheat tree
black tupelo tree, *or* black gum tree, *or* Nyssa sylvatica, *or* pepperidge tree, *or* sour gum tree (bot.)
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black wildebeest (mammal): *see* white-tailed gnu
black willow, *or* Salix nigra (bot.)
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black-winged red bishop, *or* Euplectes hordeaceus (bird)
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Wrangell range of the Alaskan Mountains **24:**993:1a
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see also Christian caste; Islamic caste; caste government and laws, *e.g.,* bhaiband; gotra; jajmani system; kul; Manu-smirti; panchayat; and castes by name, *e.g.,* Brahman; candala; Devadasi; Dom; jati; Kshattriya; Mahar; Mleccha; pariah; Sudra; untouchable; Vaisya; varna
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Centre-Left (Pol. pol. party): *see* Centrolew
Centre-Man (Melanesian culture): *see* Big-Man
Centre National d'Art et de Culture Georges Pompidou (cultural centre, Paris, Fr.): *see* Pompidou Centre
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Indonesia **19:**695:2b
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coconut moth (insect)
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"Cocu magnifique, Le" (work by Crommelynck)
discussed in biography **3:**748:2a
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Andes Mountain Ranges **27:**698:2a, *map* 697
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Code . . . : *see under* substantive word, *e.g.,* Michaud, Code, except as below
"Code annamite, Le" (work by Philastre)
discussed in biography **9:**366:1b
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Code Civil Suisse (Swiss law): *see* Swiss Civil Code
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history of Europe **18:**669:1a, 671:1a
"Code for the Government of Armies in the Field" (work by Lieber)
discussed in biography **7:**340:3b
Code Napoléon (1804, Fr.): *see* Napoleonic Code
Code of . . . : *see under* substantive word, *e.g.,* Hammurabi, Code of, except as below
"Code of Terpsichore" (work by Blasis)
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Codex Ambrosianus (bibl. lit.)
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Codex Amiatinus (Celt. ms.)
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Codex Argenteus (Gothic ms.)
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Codex Atlanticus (documents by Leonardo da Vinci)
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Codex Borbonicus (Aztec text)
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polyphony in canonical hours **2:**809:3a
Codex canonum (canon law): *see* Corpus canonum
Codex Cenannensis (illuminated ms.): *see* Kells, Book of
Codex Constitutionum (Rom. law)
books of Justinian code **6:**665:3b
contribution of Dorotheus **4:**187:3a
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Codex Cumanicus (Tur. textbook)
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Codex Dresdensis (Mayan lit.): *see* Dresden Codex
Codex Festi Farnesianus (codex)
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Codex Koridethianus (New Testament ms.)
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Codex Tro-Cortesianus (Mayan lit.): *see* Madrid Codex
Codex Urbinas Latinus 1270 (work by Leonardo da Vinci)
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Codiaeum variegatum (bot.): *see* croton
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codling moth, *or* Carpocapsa pomonella, *or* Cydia pomonella, *or* Laspeyresia pomonella
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Codomannus (k. of Pers.): *see* Darius III
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Codrington (Ant. and Barbuda)
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Codrington, Robert Henry (Br. anthro. and pr.) **3:**428:1b
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Coecke van Aelst, Pieter (Flem. art.)
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Coedès, Louis-Eugène (Fr. art.)
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Coehoorn mortar (weapon)
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Coelacanthus (paleon.)
evolution of coelacanths **3:**429:2b
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Coele Syria (Leb.): *see* Biqa', al-
coelenterate, *or* Coelenterata (phylum of invertebrate): *see* cnidarian
coelenteron, *or* gastrovascular cavity, *or* hollow gut (cnidarian anat.)
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Coelho Pereira, Duarte (Port. expl.)
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Coelodonta: *see* woolly rhinoceros
Coeloglossum viride (bot.): *see* frog orchid
Coelogyne (bot.) **3:**429:3b
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Coelolepida (zool.)
classification and description **19:**200:1b, 205:2b
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major ref. in Growth and Development **20:**417:1b
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description **9:**539:3b
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"Coelum Britannicum" (masque by Carew)
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coelurosaur, *or* Coelurosauria (dinosaur)
description **4:**104:1b; **9:**539:3b
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Coemgenus (patron of Dublin): *see* Kevin, Saint
coemptio (Roman law)
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Dutch East India Company **12:**316:2a
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motion picture history **24:**408:1b
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coenecium (zool.)
life cycle of pterobranchs **9:**769:3b
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major ref. in Biosphere **14:**999:2a
coenocytic cell (bot.)
body plans of plants **20:**380:1a
Coenopteridales (order of preferns)
description **9:**675:2b
Coenothecalia (invertebrate order): *see* blue coral
Coenus (Maced. comdr.)
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description **3:**431:3a; **14:**877:2a
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Warburg's study **12:**493:1b
coenzyme A, *or* CoA (biochem.)
discovery by Lipmann **7:**386:2a
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"De," "la," "van," and similar components of a name, when followed by a space, are alphabetized as separate words (e.g., De Forest, Lee). When they are joined to the following part of a name, the combination is treated as a single word (e.g., DeForest, John William).

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Connaught, *or* Connacht (anc. Irish king.) **3**:541:2a
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Connochaetes (mammal): *see* gnu
Connochaetes gnou (mammal): *see* white-tailed gnu
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"Conquest of Bread, The," *or* "La Conquête du pain" (work by Kropotkin)
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"Conquête du pain, La" (work by Kropotkin): *see* "Conquest of Bread, The"
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Conradin, *or* Conrad V, *or* Conrad the Younger, *or* Konradin, *or* Konrad V, *or* Konrad der Jüngere (duke of Swabia) **3**:549:2a
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"Consciousness and the Urban Experience" (work by Harvey)
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Conseil des Anciens (Fr. pol. hist.): *see* Ancients, Council of
Conseil d'État (Fr. law) **3**:553:2a
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Consejo . . . : *see under* substantive word, except as below
Consejo de Indias (Sp. hist.): *see* Indies, Council of the
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Conselho de . . . : *see under* substantive word, *e.g.,* Geografia, Conselho Nacional de
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conservation of charge (phys.): *see* charge conservation
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CPA: *see* critical path analysis
CPA (fin.): *see* Certified Public Accountant
CPC (pol. party, China): *see* Chinese Communist Party
CPCM (econ. org.): *see* Maghrib Permanent Consultative Committee
CPD (star catalog): *see* Cape Photographic Durchmusterung
CPE (microbiol.): *see* cytopathic effect
CPI (econ.): *see* consumer price index
CPI (psychol.): *see* California Psychological Inventory
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CPP-ML (pol. party, Phil.): *see* Communist Party of the Philippines, Marxist-Leninist
CPR (med.): *see* cardiopulmonary resuscitation
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CPSU (Sov. pol. party): *see* Communist Party of the Soviet Union
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*"De," "la," "van," and similar components of a name, when followed by a space, are alphabetized as separate words (*e.g., *De Forest, Lee). When they are joined to the following part of a name, the combination is treated as a single word (*e.g., *DeForest, John William).*

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"Décadas da Ásia" (work by Barros)
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for a list of related subjects see PROPAEDIA: Section 628
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derivation of name *table* **8**:292
December constitution, *or* Fundamental Laws (Aus. hist.)
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Central Asian art **15**:741:1a *passim to* 750:2b
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for a list of related subjects see PROPAEDIA: Section 629
see also forms of decorative art, *e.g.,* basketry; beadwork; embroidery; enamelwork; floral decoration; furniture; glass; interior design; lace; lacquerwork; metalwork; mosaic; pottery; quilting; rug and carpet; stained glass; tapestry; and artistic styles and periods, and individual artists by name
Decorative Arts, Museum of (museum, Prague, Czech.)
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for a list of related subjects see PROPAEDIA: Section 10/22
Dedham (Mass., U.S.) **3**:954:1b
Dedication, Feast of (Judaism): *see* Hanukka
dedifferentiation (biol.)
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for a list of related subjects see PROPAEDIA: Section 10/12
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"Deposition" (work by Lorenzetti)
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Derbyshire (co., U.K.) **4:**23:3b
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"Dernier des justes, Le" (work by Schwarz-Bart): *see* "Last of the Just, The"
"Dernier Jour d'un condamné, Le" (novel by Hugo)
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"Dernier vers" (work by Laforgue)
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Des Périers, Bonaventure (Fr. au.) **4**:28:1a
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Desaix de Veygoux, Louis-Charles-Antoine, *or* Chevalier de Veygoux (Fr. mil. hero) **4**:28:2b
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caricature **15**:580:1b
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Desbarreaux, Jacques Vallée (Fr. noble)
association with Descartes **15**:590:2b
Desbordes-Valmore, Marceline (Fr. au.) **4**:29:2a
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Desborough, John, *or* John Desborow, *or* John Disbrowe (Eng. soldier) **4**:29:2b
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Eva Perón **9**:301:1b
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Descanso, Morro do (hill, Braz.): *see* Castelo, Morro do
descant, *or* discant (mus.) **4**:29:3b
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Descartes, Folium of (math.): *see* Folium of Descartes
Descartes, René, *or* Renatius Cartesius (Fr. math. and philos.) **15**:588:1a; **4**:29:3b
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Deschamps, Eustache, *or* Morel (Fr. writ.) **4**:30:2a
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"Description de la Louisiane," *or* "Nouvelle découverte d'un très grand pays situé dans l'Amérique" (work by Hennepin)
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"Description de l'Egypte" (pub. by Fourier)
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"Description du corps humain, La" (work by Descartes)
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"Description of a Good Wife" (work by Brathwaite)
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"Description of a Struggle," *or* "Beschreibung eines Kampfes" (work by Kafka)
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"Description of Greece" (work by Pausanias)
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"Description of the Kingdom of Japan," *or* "Descriptio Regni Japoniae" (work by Varenius)
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"Description of the Marvelous Canon of Logarithms," *or* "Mirifici Logarithmorum Canonis Descriptio" (work by Napier)
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"Description of the Sea-coast and Islands of Scotland, With Large and Exact Maps, for the Use of Seamen" (work by Adair)
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"Descriptive Sketches" (work by Wordsworth)
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"Descrizione del modo tenuto dal Duca Valentino nello ammazzare Vitellozzo" (work by Machiavelli)
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"Ecclesiastical History," *or* "Historia ecclesiastica" (work by Eusebius)
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Scottish history **29**:109:2a
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Arculf **1**:534:3a
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"Ecclesiastical Ordinances" (work by Calvin)
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human skin and function **21**:703:1a, *illus.* 699
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ecdysial gland (biol.): *see* prothoracic gland
ecdysiotropic hormone, *or* ecdysiotropin: *see* thoracotropic hormone
ecdysis (zool.)
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crustacean endocrine systems **18**:296:1a
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"Ecerinis" (play by Mussato)
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Ecgberht (Anglo-Saxon k.): *see* Egbert
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Echegaray y Eizaguirre, José (Sp. dram.) **4**:348:3b
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Echeveria (bot. genus) **4**:348:3b
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Echeveria gilva (bot. species): *see* wax-rosette
Echeverría, Esteban (Lat.Am. writ.)
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see also individual species
Echimyidae (fam. of mammals): *see* spiny rat
Echimys chrysurus (mammal): *see* white-faced spiny rat
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Echinocereus (bot.): *see* hedgehog cactus
Echinochloa crus-galli (plant): *see* barnyard grass
Echinochloa muricata (plant): *see* barnyard grass
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Phanerozoic fossil record **19**:804:2b
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Echinodorus (bot.): *see* burhead
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Echinolaelaps echidninus (arachnid): *see* rat mite
Echinoprocta rufescens (rodent): *see* short-tailed porcupine
Echinops (bot.): *see* globe thistle
Echinopsis (bot.): *see* sea-urchin cactus
Echinopsis multiplex (bot.): *see* Easter lily cactus
Echinosorex gymnurus (mammal): *see* moonrat
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Echium lycopsis (bot.): *see* purple viper's bugloss
Echium plantagineum (bot.): *see* purple viper's bugloss
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Echiurida, *or* Echiura (invertebrate): *see* spoonworm
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Echmiadzin, *or* Ecmiadzin, *or* Vagarshapat (U.S.S.R.) **4**:350:1a
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use in satellite communications **10**:466:2a; **19**:55:1a; **28**:505:1b
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"Echo, The" (paint. by Delvaux)
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echoencephalography (med.) **4**:350:2a
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Karlstadt **6**:745:1b
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Eckermann, Johann Peter (Ger. writ.) **4**:351:3b
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Eckert, Johanna (Ger. dancer and choreographer): *see* Holm, Hanya
Eckert, John Presper, Jr. (Am. inv.) **4**:352:1b
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Eckhart, Meister (Ger. mystic): *see* Eckehart, Meister
Eckhel, Joseph Hilarius (Aus. numismatist) **4**:352:2a
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Eckhof, Hans Konrad Dieterich (Eur. act.): *see* Ekhof, Hans Konrad Dieterich
Eckmann, Otto (Ger. art.)
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Ekstein, Billy (Am. singer and band leader) **4**:352:2a
"Éclaircissement familier de la question: Si une femme a été assise au siège papal de Rome" (work by Blondel)
views on legend of Pope Joan **6**:561:1b
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major ref. in Reproduction and Reproductive Systems **26**:723:2a
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"Eclipse of the Abbasid Caliphate, The," *or* "Kitab tajarib al-umam wa ta'aqub al-himam" (work by Ibn Miskawayh)
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Ecnomus, Cape (cape, Sicily)
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biological communities **14**:999:1a
École Biblique et Archéologique (Dominican school)
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École de Paris (art movement)
major role of drawing **17**:440:1b
École des Beaux-Arts (school, Paris, Fr.): *see* Beaux-Arts, École des
"École des cadavres, L' " (work by Céline)
place in French literature **19**:581D:2a
École des Chartes (school, Paris, Fr.)
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"École des femmes, L' " (play by Molière): *see* "School for Wives, The"
"École des muses, L' " (work by Gilson): *see* "Choir of Muses, The"
École des Ponts et Chaussées (engin. school, Fr.): *see* École Nationale des Ponts et Chaussées
École Française d'Extrême Orient (Fr. hist. group)
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École litteraire de Montreal: *see* Montreal group
école maternelle (educ.): *see* maternal school
École Militaire (academy, Paris, Fr.): *see* Military Academy
École Nationale d'Administration (Fr. school)
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École Nationale des Ponts et Chaussées, *or* École des Ponts et Chaussées (engin. school, Fr.)
contribution to modern road building **26**:362:2b
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École Nationale Supérieure des Beaux-Arts (school, Paris, Fr.): *see* Beaux-Arts, École des
École Normale Supérieure (school, Paris, Fr.)
history of Normal schools **8**:765:2b
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Maurras **7**:960:1b
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École Supérieure de Guerre (Fr. war coll.)
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"Ecological Approach to Visual Perception, The" (work by Gibson)
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major ref. in Biological Sciences **14**:959:1b
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"Economic and Philosophic Manuscripts of 1844," *or* "Ökonomisch-philosophische Manuskripte aus dem Jahre 1844" (writings by Marx)
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Economic and Social Council, *or* ECOSOC (UN) **4:**354:3b
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Burkina Faso **29:**832:2a
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economic democracy: *see* social democracy
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fields, *e.g.,* poetry; genres, *e.g.,* short story; literary personages, *e.g.,* Gawain, Hamlet; movements and periods, *e.g.,* Elizabethan literature, Restoration literature; periodical literature, *e.g.,* Idler, The; poetry schools, *e.g.,* Decadent, graveyard; works and themes, *e.g.,* Arthurian legend, Wakefield plays; and writers, *e.g.,* Shakespeare
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English system (meas.): *see* engineering system
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Friedrich Wilhelm Viktor Albert (emp. of Ger.): *see* William II
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"Friedrichs von Logau sämmtliche Sinngedichte" (work by Logau): *see* "Salomons von Golaw Deutscher Sinn-Getichte Drey Tausend"
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"Geographical Pivot of History, The" (work by Mackinder)
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"Géographie universelle" (Fr. monograph)
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"Geographike hyphegesis" (work by Ptolemy): *see* "Guide to Geography"
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geographical configuration, *e.g.,* geomorphic processes; volcanism; and under specific features, *e.g.,* oceans, regions, rivers, countries, and cities by name
"Geography" (work by Strabo)
discussed in biography **11**:296:2b
"Geography Made Easy" (work by Morse)
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"Geology of New York" (work by Hall)
discussed in biography **5**:639:3a
"Geology of the Comstock Lode and Washoe District" (work by Becker)
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"Geology of the Marysville Mining District, Montana" (work by Barrell)
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"Geometrica Organica; Sive Descriptio Linearum Curvarum Universalis" (work by Maclaurin)
discussed in biography **7**:641:1b
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"Geometrical Lectures," *or* "Lectiones Geometricae" (work by Barrow)
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Georg-August-Universität zu Göttingen (univ., Göttingen, W.Ger.): *see* Göttingen, University of
Georg Ludwig (k. of Gt.Br.): *see* George I
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"Grundriss der Psychologie" (work by Külpe): *see* "Outlines of Psychology"
"Grundriss der Sozialökonomik" (work by Wieser)
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"Grundriss der vergleichenden Grammatik der indogermanischen Sprachen" (work by Brugmann and Delbruck): *see* "Outline of the Comparative Grammar of the Indo-Germanic Languages"
"Grundriss einer Lautlehre der Bantusprachen" (work by Meinhof)
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"Grundsätze der Volkswirtschaftslehre" (work by Menger): *see* "Principles of Economics"
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"Grundzüge der vergleichenden Anatomie" (work by Gegenbaur): *see* "Elements of Comparative Anatomy"
"Grundzüge des gegenwärtigen Zeitalters, Die" (work by Fichte): *see* "Characteristics of the Present Age, The"
"Grundzüge einer Theorie der phylogenetischen Systematik" (work by Hennig): *see* "Phylogenetic Systematics"
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"Histoire naturelle générale et particulière descrustaces et insectes" (work by Latreille)

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"Histoire politique de la Révolution française, origines et développement, de la démocratie et de la république, 1789-1804" (work by Aulard): *see* "French Revolution, a Political History, 1789-1804, The"
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"Historia Apologética" (work by Las Casas)
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"Historia Augusta" (lit.): *see* "Augustan History"
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"Historia de Cataluña y de la Corona de Aragón" (work by Balaguer i Cirera)
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"Historia ecclesiastica" (work by Orderic Vitalis)
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"Historia Francorum," *or* "Libri IV de gestis Francorum" (work by Aimoin)
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"Historia naturalis" (work by Pliny): *see* "Natural History"
"Historia naturalis palmarum" (work by Martius)
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"Historia persecutionis Vandalorum" (work by Victor): *see* "Memorable and Tragical History of the Persecution in Africke, The"
"Historia Plantarum" (work by Ray)
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"Historiae Anglicanae Scriptores X" (work by Twysden)
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"Historiae de rebus Hispaniae" (work by Mariana): *see* "General History of Spain, The"
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"Historiarum ab inclinatione Romanorum imperii decades" (work by Biondo)
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"Historisch-Kritische Einleitung ins Alte Testament" (work by Eichhorn)
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I

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"Ideologie und Utopie" (work by Mannheim): *see* "Ideology and Utopia: An Introduction to the Sociology of Knowledge"
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for a list of related subjects see PROPAEDIA: Section 541
"Ideology and Utopia: An Introduction to the Sociology of Knowledge," *or* "Ideologie und Utopie" (work by Mannheim)
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IDF (mil. org.): *see* Israel Defense Forces
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Idi, *or* Ida, *or* Idhi, *or* Idha, *or* Psiloritis (mt., Crete) **6:**242:1a
major ref. in Ida **6:**238:3b
Idi Amin, Lac, *or* Lake Idi Amin Dada (l., Af.): *see* Edward, Lake
Idiklat (riv., Middle E.): *see* Tigris–Euphrates River System
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"Idiot, The" (film by Kurosawa Akira)
discussed in biography **7:**43:2b
"Idiot, The" (novel by Dostoyevsky)
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Idku, *or* Edkou (Egy.) **6:**242:1b
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Idlib (governorate, Syr.)
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Idukki (dist., India)
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Idun, *or* Idunn (myth.)
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idyll, *or* idyl (lit.) **6:**244:2b
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"Idyllen" (work by Gessner)
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"Idyllen, Volkssagen, Legenden und Erzählungen aus der Schweiz" (work by Wyss)
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IEEE: *see* Electrical and Electronics Engineers, Institute of
Iemanjá, Festival of (holiday)
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Iéna, Pont d' (bridge, Paris, Fr.): *see* Jena Bridge
Ieper (Belg.): *see* Ypres
Iesi (It.): *see* Jesi
IF (biochem.): *see* intrinsic factor
IF (electronics): *see* intermediate frequency
"If . . ." (film by Anderson)
discussed in biography **1:**383:3b
IF_R (biochem.)
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"If It Die . . .," *or* "Si le grain ne muert" (work by Gide)
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"I.F. Stone's Weekly" (Am. period.)
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IFA (Am. athletic org.): *see* Intercollegiate Football Association
IFAD: *see* International Fund for Agricultural Development
Ifalik (is., Micronesia)
Micronesian dance **25**:112:1b
Ifat (hist. state, Eth.) **6**:244:3a
IFC: *see* International Finance Corporation
IFCTU: *see* World Confederation of Labour
Ife-lodun, *or* Ife, *or* Ile-Ife (Nig.) **6**:244:3a
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Iferten (Switz.): *see* Yverdon
IFF (Zionist terrorist org.): *see* Stern Gang
IFF (warning system): *see* Identification Friend or Foe
Iffland, August Wilhelm (Ger. thea. manag.) **6**:245:1b
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IFID (internat. org.): *see* International Forum on Information and Documentation
IFLA (internat. org.): *see* International Federation of Library Associations and Institutions
Iflak (reg., Rom.): *see* Walachia
Ifni (Mor.) **6**:245:2a
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Iforas Massif, *or* Adrar des Iforas (plateau, Mali)
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for a list of related subjects see PROPAEDIA: Section 511
Ifugao (prov., Phil.) **6**:245:3b
Ig (biochem.): *see* antibody
IG Farben, *or* Interessengemeinschaft Farbenindustrie Aktiengesellschaft (W.Ger. cartel) **6**:245:3b
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IgA (biochem.)
major ref. in Immunity **20**:777:1b, *illus.*
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Igarape Ipixuna (riv., Braz.)
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"Igbo Olodumare" (work by Fagunwa) discussed in biography **4**:654:2b
Igbo Ukwu (Nig.)
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IGCR (internat. org.): *see* Intergovernmental Committee on Refugees
IgD (biochem.)
major ref. in Immunity **20**:777:1b
antibody classification **1**:449:3a
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igdlu (Eskimo snowhouse): *see* igloo
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IgG (biochem.)
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Ighil Izane (Alg.): *see* Relizane
Igilgili (Alg.): *see* Jijel
Igilium (is., It.): *see* Giglio Island
Iglau (Czech.): *see* Jihlava
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igloo, *or* aputiak, *or* igdlu, *or* iglu (Eskimo snowhouse) **6**:247:1a
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IgM (biochem.)
major ref. in Immunity **20**:777:1b, *illus.*
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IGN (inst., Fr.): *see* Institut Géographique National
Ignatev, P. N., Count (Russ. pol. leader)
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"Ignez de Castro" (work by Ferreira): *see* "Castro"
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Ignis fatuus (phenomenon): *see* jack-o'-lantern
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Iguvium (It.): *see* Gubbio
IGY: *see* International Geophysical Year
Ihara Saikaku, *or* Hirayama Tōgo, *or* Ibara Saikaku (Japanese au.) **6**:251:2a
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Ii Naosuke (Japanese feudal lord) **6**:251:3b
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Ijebu-Ode (Nig.) **6:**253:1a
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Insel Verlag (Ger. publ.)
effect of Arts and Crafts Movement **26:**100:1a
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compared to monadnock **8:**244:1a
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jungles and rain forests **17:**1029:1a
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Sri Lanka **28:**180:2b
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landform evolution **16:**707:2b, 734:2b, *illus.* 708, 735
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place in Islamic literature **22:**52:2b
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"Inside of a Stable" (paint. by Morland)
discussed in biography *illus.* **8:**327
Inside Passage, *or* Inland Passage, *or* Marine Highway (sea route, N.Am.) **6:**332:1a
Queen Charlotte Sound **9:**850:1a
"Inside the Endless House" (work by Kiesler)
discussed in biography **6:**856:3b
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"Inside the Third Reich," *or* "Erinnerungen" (work by Speer)
discussed in biography **11:**82:1b
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for lists of related subjects see PROPAEDIA: Sections 431; 435
"Insolación" (work by Bazán)
discussed in biography **9:**148:2b
insolubilia (logic)
role in medieval logic **23:**240:1b
insoluble polymers (chem.)
molecular weight distribution **24:**270:2b
insolvency (fin.) **6:**332:2a
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sleep disorders **27:**303:1a, 304:2b
for a list of related subjects see PROPAEDIA: Section 433
"Insomnis Cura Parentum" (work by Moscherosch)
discussed in biography **8:**347:2b
"Inspector General, The" (work by Gogol): *see* "Government Inspector, The"
Inspectorate General of Customs (Chin. hist.)
place in Ch'ing dynasty administration **16:**126:2a
Inspectorate of Prisons (Br. govt.)
maintainance of prison system **16:**812:1b
inspectors de police (Fr. govt. offi.)
role in French police **25:**940:2b
inspiration (art) **6:**332:2b
inspiration, *or* inhalation (biol.)
comparison in speech and rest **28:**92:2b
process of respiration **26:**774:2b, 778:2b, 784:2a *passim to* 793:2a
role of diaphragm **4:**67:2b
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freeze-drying **19:**338:2a
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mathematical recreation **25:**11:2a
instant-picture photography, *or* Polaroid photography
major ref. in Photography **25:**801:2b
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magnetic recording devices **7:**682:2b
television recording technique **15:**247:2a
instant tea
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production methods **14:**736:2b
instantaneous acceleration (phys.)
angular acceleration **23:**808:2b
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instantaneous centre of velocity (phys.) **6:**332:2b
instantaneous velocity (phys.)
angular velocity **23:**808:2b
measurement in physical sciences **25:**818:1a
principle of virtual work **23:**825:1a
treatment in real analysis **13:**450:2a
instar (biol.)
life cycle of flies **21:**603:1b, 669:1b, 670:2b
"Instauratio Magna" (work by Bacon)
discussed in biography **1:**777:1a; **14:**545:2b
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major ref. in Animal Behaviour **14:**635:2b
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mimicry **24:**111:1a
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basis in reflexes **9:**993:3b
Bergson's research **2:**130:2a
effect on feeding behaviour **14:**647:1b
influence on animal behaviour **14:**624:1b *passim to* 634:2a, 705:1b
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arachnids **13:**915:2b
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"Instinct of Workmanship and the State of the Industrial Arts, The" (work by Veblen)
discussed in biography **12:**287:2a
Institut Botanique de la Université de Montréal (bot. inst., Montreal, Que., Can.)
Montreal Botanical Garden **8:**295:3b
Institut Canadien (Can. org.) **6:**333:1a
role of Laurier **7:**194:3b
Institut Géographique National, *or* IGN (inst., Fr.) **6:**333:1b
contribution to mapping **23:**520:2a
Institut Grand-Ducal (inst., Luxem.)
Luxembourg **23:**356:2a
Institut International de Bibliographie: *see* International Federation for Documentation
Institut International des Brevets (patent inst.): *see* International Patent Institute
Institut National (inst., Fr.)
Talleyrand's role **11:**523:1a
Institute for . . . . : *see under* substantive word, *e.g.,* Advanced Study, Institute for
Institute of . . . . : *see under* substantive word, *e.g.,* Artistic Culture, Institute of
Institutes, *or* Institutiones (treatise by Gaius)
discussed in biography **5:**78:1a
Institutes, *or* Institutes of Justinian, *or* Institutiones (Roman law)
Dorotheus' contribution **4:**187:3a
Gaius' influence **5:**78:1a
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"Institutes of the Christian Religion," *or* "Christianae Religionis Institutio," *or* "Institution de la Religion Chrétienne" (work by Calvin) **6:**333:2a
major ref. in Calvin and Calvinism **15:**477:1b
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"Institutes of the Lawes of England" (work by Coke)
influence on common law **22:**931:2a
"Institutio oratoria" (work by Quintilian)
approach to rhetoric **26:**805:2b
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"Institutio principis Christiani" (work by Erasmus): *see* "Education of a Christian Prince"
"Institutio theologica" (work by Proclus): *see* "Elements of Theology"
"Institutio Theologicae Elencticae" (work by Turretin)
17th century Calvinism **15:**481:1a
institution (sociol.): *see* social institution
"Institution de la Religion Chrétienne" (work by Calvin): *see* "Institutes of the Christian Religion"
Institution of Civil Engineers (Br.

org.): *see* Civil Engineers, Institution of
Institutional Acts (Braz. leg.)
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celibacy **3**:12:1b
institutional economics **6**:333:2b
comparison to historical school **27**:394:1b
Institutional Revolutionary Party, *or* National Revolutionary Party, *or* Partido de la Revolución Mexicana, *or* Partido Revolucionario Institucional, *or* Partido Revolucionario Nacional, *or* Party of the Mexican Revolution, *or* PRI, *or* PRM, *or* PRN (pol. party, Mex.) **6**:333:2b
major ref. in Mexico **24**:37:1b, 48:1b
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Calles **2**:748:1b
Cárdenas del Río **2**:859:2b
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effect on rural society **26**:1009:2b
Western philosophy of law **25**:732:1b
"Institutiones" (hist. lawbook): *see* "Institutes"
"Institutiones" (treatise by Gaius): *see* "Institutes"
"Institutiones" (work by Cassiodorus)
history of Scholasticism **25**:595:1a
"Institutiones calculi differentialis" (work by Euler)
discussed in biography **4**:596:1b
"Institutiones calculi integralis" (work by Euler)
discussed in biography **4**:596:1b
"Institutiones divinarium et saecularium litterarium" (work by Cassiodorus): *see* "Introduction to Divine and Human Readings, An"
"Institutiones grammaticae" (work by Priscian)
discussed in biography **9**:709:2b
"Institutiones theologicae" (work by Episcopius)
discussed in biography **4**:528:2a
"Institutioni harmoniche" (treatise by Zarlino)
discussed in biography **12**:900:2a
"Institutions liturgiques" (work by Guéranger)
discussed in biography **5**:542:2a
Instituto Agronômico do Norte (inst., Braz.)
exploration of the Amazon River **27**:710:2a
Instituto Butantã (inst., Saõ Paulo, Braz.)
snake research **27**:8:2a
Instituto Colombiano de Reforma Agraria: *see* Colombian Institute of Agrarian Reform
Instituto Cubano del Arte e Industria Cinematográfica: *see* Cuban Institute of Cinematographic Art and Industry
Instituto de Fomento Industrial (indus. org., Colom.): *see* Industrial Development, Institute of
Instituto di Correspondenza Archeologica (inst., Rome, It.)
importance to classical scholarship **27**:29:2a
Instituto Internacional de Genealogía y Heráldica, El: *see* International Institute of Genealogy and Heraldry, The
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Instituto Nacional Indigenista (Mex. govt.)
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"Instruction for Merikare" (anc. Egy. text)
history of Egypt **18**:113:2a
"Instruction of Amenemhet, The," *or* "The Instructions of Amenemhet" (testament of Amenemhet I)
assassination of Amenemhet I **1**:323:1a
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"Instruction of Amenemope, The" (work by Amenemope)
biblical wisdom literature **14**:799:2a
discussed in biography **1**:323:2a
Instruction of Catherine the Great (Russ. hist.)
reform of Romanov Russia **2**:953:2a; **28**:984:2a
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biblical literature **14**:799:2a
"Instructiones" (work by Commodianus)
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"Instructions Concerning Erecting of a Library," *or* "Advis pour dresser une bibliothèque" (work by Naudé)
modern library practice **22**:971:1a
"Instructions for Practical Living," *or* "Ch'uan-hsi lu" (work by Wang Yang-ming)
discussed in biography **12**:488:3b
"Instructions for the Government of Armies in the Field," *or* General Orders No. 100 (U.S. govt. document)
treatment of war crimes **12**:491:1b
"Instructor, The," *or* "Paidagogos" (work by Clement of Alexandria)
discussed in biography **3**:375:2b
"Instruktion für die Visitatoren," *or* "Visitation Articles" (work by Melanchthon)
response to Martin Luther **23**:370:2a
instrument landing system, *or* ILS (aviation) **6**:333:3b
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Instrument of Accession to the Indian Union (Kashmir hist.)
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instrumental conditioning (psychol.): *see* operant conditioning
instrumental ensemble (mus.): *see* ensemble
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major ref. in Art of Music **24**:502:2b; History of Western Music **24**:554:1b *passim to* 558:2a
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instrumental stage (psychol.)
human behaviour **16**:875:1b
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Dewey **4**:52:2a; **25**:766:2a
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for a list of related subjects see PROPAEDIA: Section 624
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instrumentation, *or* instrumentation system (tech.) **6**:334:1a
major ref. in Principles, Methods, and Instruments of Measurement and Observation **23**:727:1a, 733:1b
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major ref. in The History of Western Architecture **13**:969:2a
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for a list of related subjects see PROPAEDIA: Section 626
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for a list of related subjects see PROPAEDIA: Section 125
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major refs. in Biochemical Components of Organisms **14**:911:1b; Endocrine Systems **18**:312:1b
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insulin coma therapy: *see* insulin shock therapy
insulin-dependent diabetes mellitus, *or* juvenile-onset diabetes, *or* type I diabetes (med. disorder)
causation, symptoms, and treatment **18**:313:2b; **25**:73:1b
insulin-like growth factor (biochem.): *see* somatomedin
insulin-like growth factor I, *or* IGF I, *or* Sm-C, *or* somatomedin-C (biochem.)
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"Insulted and Injured, The" (novel by Dostoyevsky)
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major ref. in Insurance **21**:689:1b
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Insurgentes, Avenida (ave., Mexico City, Mex.)
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discussed in biography **3**:551:3a
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major ref. in Printmaking **26**:112:2b, 125:1b
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for a list of related subjects see PROPAEDIA: Section 628
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Roman gem carving **27**:79:2a
see also relief sculpture
intangible property, *or* incorporeal property (law)
major ref. in Property Law **26**:181:1b
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Intarsia glass (glassware)
development by Steuben Glass Company **11**:259:2b
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elementary number theory **25**:14:1a
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integral (math.) **6**:336:3b

major ref. in Analysis in Mathematics **13**:453:1b
Cauchy's definition **23**:625:1b
treatment by Fourier analysis **13**:509:2b, 519:2b
see also definite integral; indefinite integral; integration; Lebesgue integral; Lebesgue–Stieltjes integral; multiple integral
integral (differential equations): *see* solution
integral calculus: *see* integration
integral domain, *or* domain, *or* entire ring (math.)
major ref. in Algebra **13**:285:1a
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Hilbert's research **5**:923:1b; **23**:632:1a
integral function (math.): *see* entire function
integral test (math.)
major ref. in Analysis in Mathematics **13**:471:2b
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"Intégrales" (work by Varese)
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Integralist, *or* Sodalitium Pianum (Roman Cath.)
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Integralist school (lit. movement)
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integraph (instru.) **6**:337:1a
integrated circuit, *or* IC, *or* microcircuit (electronics) **6**:337:1b
major ref. in Electronics **18**:231:1a
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major ref. in Analysis in Mathematics **13**:452:1a
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integration, constant of (math.)
function in calculus **13**:457:2b
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burakumin **2**:639:1b
"Integrative Action of the Nervous System, The" (work by Sherrington)
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for a list of related subjects see PROPAEDIA: Section 334
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for lists of related subjects see PROPAEDIA: Sections 431; 434; 544
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