

Entries Listed by Conceptual Cluster

*Indicates a composite entry with subentries belonging to more than one cluster.

Historiographic Context (0)

Cartobibliography
Dictionary, Cartographic
Histories of Cartography
History of Cartography Project
Modes of Cartographic Practice

Surveying and Observation (1.1)

Property Mapping (1.1.1)

Cadastral Map
Cadastral Surveying
Electromagnetic Distance Measurement
Property Mapping
 Canada and the United States
 Latin America
 Africa
 Europe
 Russia and the Soviet Union
 Australia and New Zealand
Property Mapping Practices
 Professional Practice in Land Surveying
 Triangulation, Trilateration, and Traverse
 Monumentation and Recovery
 Global Positioning System and Property Surveying

Boundary Surveying (1.1.2)

Boundary Disputes
Boundary Surveying
 Canada and the United States
 Latin America
 Africa
 Europe
 Middle East
 East and Southeast Asia

Topographical Surveying (1.1.3)

Atlas*
 Subscription Atlas
Facilities Map
Himalaya, Cartography of the
Landscape Architecture and Cartography
Orienteering Map
Physiographic Diagram
Plane Table
Projections*
 Projections Used for Topographic Maps
Relief Depiction
 Relief Map
 Relief Model
 Relief Shading
Remote Sensing*
 Satellite Imagery and Map Revision
Route Map
Terrain Analysis and Cartography
Topographic Map
Topographic Mapping
 Overview
 Canada
 United States
 Latin America
 Africa by the British
 Africa by the French
 Africa by the Germans
 South Africa
 Western Europe
 Eastern Europe
 Russia and the Soviet Union
 Middle East
 China
 Japan
 Indonesia
 Australia
Wayfinding and Travel Maps*
 Campus Map

Urban Mapping (1.1.4)

Urban Mapping

Overhead Imaging (1.1.5)

Globe*

Views of Earth from Space

Lidar

Map*

Images as Maps

Photogrammetric Mapping*

Aerial Photogrammetry and Cartography

Air Photos and Geographic Analysis

Feature Extraction and Photointerpretation

Military Photogrammetry as a Precursor of Remote Sensing

Instrumental Photogrammetry and Stereocompilation

Orthophotography and Orthophoto Mapping

Remote Sensing*

Earth Observation and the Emergence of Remote Sensing

Satellite Systems for Cartographic Applications

Data Handling and Information Extraction from Remotely Sensed Imagery

Mapping & Visualization (1.2)

Perception and Cognition of Maps*

Perception and Map Design

Cognition and Cartography

Map-Use Skills

Visualization and Maps

Geographical/Reference Mapping (1.2.1)

Aeronautical Chart

Airline Map

Atlas*

Electronic Atlas

Facsimile Atlas

Historical Atlas

Historical-Boundaries Atlas

National Atlas

Regional Atlas

School Atlas

World Atlas

Cave Map

Conformality

Education and Cartography*

Teaching with Maps

Geographic Names

Social and Political Significance of Toponyms

Applied Toponymy

Gazetteer

Place-Name Studies

Geographical Mapping

Globe*

Cultural and Social Significance of Globes

Historians and Cartography

Historical Geography and Cartography

Map*

Definitions of Map

Map Typologies

Map as Metaphor

Sense of Place and the Map

Mercator Projection

Meteorology and Cartography

Oblique and Perspective Views

Prime Meridian

Projections*

World Map Projections

Interrupted and Polyhedral Projections

Cultural and Social Significance of Map Projections

Regional Map Projections

Projections Used for Aeronautical Charts

Railroad Map

Road Mapping

Canada and the United States

Latin America

Africa

Europe

Australia and Oceania

Robinson Projection

Tactile Map

Travel, Tourism, and Place Marketing

Wall Map

Wayfinding and Travel Maps*

Cyclist Map

Hiking and Trail Map

Indexed Street Map

In-Vehicle Navigation System

Mobility Map

Orientation Map

Public Transportation Map

Road Atlas

Road Symbols

Web-Based Wayfinding

Wheelchair Access Map

Celestial Mapping (1.2.2)

Astrophysics and Cartography

Lunar and Planetary Mapping

Star Chart

Thematic Mapping (1.2.3)

Alpine Cartography
 Atlas*
 Thematic Atlas
 Biogeography and Cartography
 Cartogram
 Census Mapping
 Centrophraphy
 Choropleth Map
 Climate Map
 Dasymetric Map
 Demographic Map
 Epidemiological Map
 Ethnographic Map
 Genetics and Cartography
 Geologic Map
 Geophysics and Cartography
 Interpolation
 Kriging
 Linguistic Map
 Oceanography and Cartography
 Projections*
 Projections Used for Statistical Maps
 Soils Map
 Statistical Map
 Statistics and Cartography
 Thematic Mapping
 Weather Map

Marine Charting (1.2.4)

Coastal Mapping
 Hydrographic Techniques
 Early Twentieth-Century Hydrographic Techniques
 Aerial Imagery in Hydrographic Mapping and
 Coastal Charting
 Sounding
 Satellites in Hydrographic and Oceanographic
 Mapping
 Global Positioning Systems in Hydrographic
 Mapping
 Marine Chart
 Marine Charting
 Overview
 Canada
 United States
 Argentina
 Great Britain
 France
 European Nations
 Russia and the Soviet Union

Japan
 Australia
 Projections*
 Projections Used for Marine Charts
 Tidal Measurement

Dynamic Cartography (1.2.5)

Animated Map
 Cinema and Cartography
 Geographic Information System (GIS)*
 Computational Geography as a New Modality
 GIS as an Institutional Revolution
 GIS as a Tool for Map Analysis and Spatial Modeling
 Hypermapping
 Interactive Map
 Software*
 Geographic Information System (GIS) Software
 Time, Time Geography, Temporal Change, and Cartog-
 raphy
 Virtual Reality

Art, Craft, & Cartography (2.1)

Airbrush
 Anaglyph Map
 Art and Cartography
 Chroma Key
 Cloth, Maps on
 Color and Cartography
 Conventions, Cartographic
 Drafting of Maps
 Drawing Instruments
 Drawing Media
 Pen-and-Ink Drafting
 Electronic Cartography*
 Electronic Cartography and the Concept of Digital
 Map
 Display Hardware
 Electronic Map Labeling
 Geographic Information System*
 GIS as a Tool for Map Production
 Globe*
 Manufacture of Globes
 Holographic Map
 Labeling of Maps
 Labeling Techniques
 Typography and Map Design
 Map*
 Printed Map
 Electronic Map
 Map Pin

Paper
 Photography in Map Design and Production
 Reproduction of Maps
 Reproduction of Maps by One-Off Processes
 Reproduction of Maps by Printing
 Engraving
 Photomechanical Processes
 Color Reproduction
 Prepress Techniques
 Reproduction, Design, and Aesthetics
 Folding Strategies
 Scribing
 Software*
 Mapping Software
 Illustration Software
 Image Processing Software
 Styles, Cartographic
 Wax Engraving

Science and Cartography (2.2)

Accuracy in Mapping
 Analytical Cartography
 Bivariate Map
 Cartometry
 Computer, Digital
 Coordinate Systems
 Electronic Cartography*
 Data Structures and the Storage and Retrieval of Spatial Data
 Data Capture and Data Conversion
 Electronic Map Generalization
 Computer-Aided Boundary Drawing
 Exploratory Data Analysis
 Figure of the Earth
 Forestry and Cartography
 Fractal Representation
 Geocoding
 Geodesy*
 Geodetic Triangulation
 Geodetic Trilateration
 Gravimetric Surveys
 Satellite Geodesy
 Geodetic Computations
 Geodetic Surveying
 Canada and the United States
 Latin America
 Africa
 Europe
 Russia and the Soviet Union
 Australia
 For the Planets

Geographic Information System*
 Metadata
 Global Positioning System (GPS)
 Mathematics and Cartography
 Metric System
 Navigation
 Perception and Cognition of Maps*
 Vision and Discrimination
 Perceiving, Understanding, and Remembering
 Subject Testing in Cartography
 Experimental Studies in Psychology
 Psychophysics
 Photogrammetric Mapping*
 Analytical Photogrammetry and Control Surveying
 Geodesy and Photogrammetric Mapping
 Projections*
 Projections Defined for the Ellipsoid
 Scale
 Scientific Discovery and Cartography
 Space Oblique Mercator Projection
 Standards for Cartographic Information
 Tissot's Indicatrix
 Uncertainty and Reliability
 Viewshed Mapping

Public Sphere & Cartography (3.1)

Children and Cartography
 Community Mapping
 Counter-Mapping
 Literature and Cartography
 Narrative and Cartography
 Persuasive Cartography
 Peters Projection
 Privacy
 Public Access to Cartographic Information
 Race, Maps and the Social Construction of
 Recreational Map
 Women in Cartography
 World Revolution and Cartography

Map Publishing (3.1.1)

Advertising, Maps as
 Copyright Traps
 Customization of Maps
 Intellectual Property
 Journalistic Cartography
 Marketing Cartographic and Spatial Data
 Marketing of Maps, Mass
 Political Cartoons, Maps as
 Remote Sensing*
 Remote Sensing as a Cartographic Enterprise

Television and Maps
Web Cartography

Map Collecting (3.1.2)

Antiquarian Maps and Grand Larceny
Collecting, Map
 Canada and the United States
 Europe
Decoration, Maps as
Digital Library
Libraries, Map
Libraries and Map Collections, National
Wolfegg Castle

Academic Cartography (3.1.3)

Academic Paradigms in Cartography
 Academic Cartography in Canada and the United States
 Academic Cartography in Europe
Education and Cartography*
 Educating Mapmakers
 Cartographic Textbooks
Electronic Cartography*
 Intellectual Movements in Electronic Cartography
 Conferences on Computer-Aided Mapping in North America and Europe
 Conferences on Computer-Aided Mapping in Latin America
Geography and Cartography
Journals, Cartographic
Social Theory and Cartography
Societies, Cartographic
 Canada and the United States
 Latin America
 Africa
 Western Europe
 Eastern Europe
 Australia and New Zealand
Societies, Geographical
 Canada and the United States
 Europe
Societies, Map
Societies, Map Librarianship
Societies, Photogrammetric and Remote Sensing
Sources of Cartographic Information

State Formation & Cartography (3.2)

Air-Age Globalism
Colonial and Imperial Cartography
Decolonization and Independence

Eastern Europe, Boundary Changes in
Eurocentric Bias
Forensic Mapping
Geopolitics and Cartography
Indigenous Peoples and Western Cartography
Law of the Sea
Nation-State Formation and Cartography
Russia and the Soviet Union, Fragmentation of

Administrative Cartography (3.2.1)

Administrative Cartography
Crime Map
Electoral Map
Emergency Planning
Environmental Protection
Fire Insurance Map
Hazards and Risk, Mapping of
Historic Preservation and Cartography
Land Systems Analysis
Land Use Map
Planning, Urban and Regional
Redlining
Tax Map

Warfare and Cartography (3.2.2)

Cartographic Duplicity in the German Democratic Republic
Cruise Missile
Geodesy*
 Geodesy and Military Planning
Military Mapping by Major Powers
 United States
 North Atlantic Treaty Organization (NATO)
 Great Britain
 France
 Germany
 Italy
 Austro-Hungarian Empire
 Ottoman Empire
 Israel
 Russia and the Soviet Union
 China
 Japan
Military Mapping of Geographic Areas
 Canada and the Polar North
 North Africa
 Sub-Saharan Africa
 Scandinavia
 Europe
 Middle East
 Southeast Asia

Korea
 Australia
 Projections*
 Projections Used for Military Grids
 Warfare and Cartography
 Wayfinding and Travel Maps*
 Escape and Evasion Map

Individuals, Institutions, Artifacts (4)

Individuals (4.1)

Almagià, Roberto
 Bagrow, Leo
 Bertin, Jacques
 Chen Shupeng
 Close (Arden-Close), Charles Frederick
 Cortesão, Armando
 Cvijić, Jovan
 Dainville, François de
 Eckert, Max
 Gannett, Henry
 Goode, J(ohn) Paul
 Harley, J(ohn) B(rian)
 Harrison, Richard Edes
 Heiskanen, Veikko Aleksanteri
 Hinks, Arthur R(ober) T
 Holdich, Thomas Hungerford
 Hotine, Martin
 Imhof, Eduard
 Jefferson, Mark Sylvester William
 Keates, J(ohn) S(tanley)
 Koeman, Cornelis
 Koláčny, Antonín
 Kretschmer, Ingrid
 Lobeck, Armin K(ohl)
 Maling, D(erek) H(ylton)
 Marschner, Francis Joseph
 Martin, Lawrence
 Martonne, Emmanuel de
 Miller, O(sborn) M(aitland)
 Molodenskiy, M(ikhail) S(ergeyevich)
 Ormeling, Ferdinand J(an)
 Pearsall, Phyllis
 Penck, Albrecht
 Petchenik, Barbara B(artz)
 Peucker, Karl
 Radó, Sándor (Alexander Rado)
 Raisz, Erwin (Josephus)
 Ratajski, Lech
 Ristow, Walter W(illiam)
 Robinson, Arthur H(oward)
 Salishchev, Konstantin Alekseyevich
 Shelton, Hal

Snyder, John P(arr)
 Tanaka, Kitirō
 Tharp, Marie
 Thrower, Norman J(oseph) W(illiam)
 Tobler, Waldo R(udolph)
 Tooley, R(onald) V(ere)
 Warntz, William
 William-Olsson, William
 Woodward, David
 Wright, John K(irtland)

Institutions & Periodicals (4.2)

Agricultural Adjustment Administration (U.S.)
 Akademie für Raumforschung und Landesplanung
 (Academy for Spatial Research and Planning; Ger-
 many)
 American Automobile Association (AAA)
American Cartographer, The
 American Geographical Society
 Automobile Association (U.K.)
 Board on Geographic Names (U.S.)
 Bundesamt für Kartographie und Geodäsie (Federal Of-
 fice for Cartography and Geodesy; Germany)
 Bundesamt für Landestopographie (Federal Office of
 Topography; Switzerland)
Cartographic Journal, The
Cartographica
 Comité Européen des Responsables de la Cartographie
 Officielle (European Committee of Representatives
 for Official Mapping; International)
 Directorate of Overseas Surveys (U.K.)
 Environmental Systems Research Institute (ESRI; U.S.)
 Esselte Kartor AB (Sweden)
 European Union
 Experimental Cartography Unit, Royal College of Art
 (U.K.)
 Freytag-Berndt und Artaria KG (Austria)
 GEOSPACE Beckel Satellitenbilddaten GmbH (Austria)
 Glavnoye upravleniye geodezii i kartografii (Chief Ad-
 ministration of Geodesy and Cartography; Russia)
 Hallwag Kümmerly+Frey AG (Switzerland)
 Hammond Map Company (U.S.)
 Harvard Laboratory for Computer Graphics and Spa-
 tial Analysis (U.S.)
 H. M. Gousha Company (U.S.)
Imago Mundi
 Institut Géographique National (National Geographical
 Institute; France)
 Instituto Geográfico Nacional (National Geographical
 Institute; Spain)
 Inter-American Geodetic Survey
 Intergraph Corporation (U.S.)
 International Cartographic Association

International Civil Aviation Organization
 International Geographical Union
 International Hydrographic Organization (Monaco)
 International Institute for Geo-Information Science and Earth Observation (ITC; Netherlands)
International Journal of Geographical Information Systems/Science
 Institut Cartogràfic de Catalunya (Cartographic Institute of Catalonia)
 Istituto Geografico De Agostini (Geographical Institute De Agostini; Italy)
 John Bartholomew & Son (U.K.)
 Justus Perthes (Germany)
Kartographische Nachrichten
 Kokudo chiriiin (Geographical Survey Institute; Japan)
 Kümmerly+Frei AG (Switzerland)
 League of Nations
 Mairs Geographischer Verlag (Germany)
 MapQuest.com (U.S.)
 Michelin (France)
 Moskovskiy institut inzhenerov geodezii, aerofotos”-yëmki i kartografii (Moscow Institute of Geodetic Engineering, Aerial Photography, and Cartography; Russia)
 National Aeronautics and Space Administration (U.S.)
 National Center for Geographic Information and Analysis (U.S.)
 National Geographic Society (U.S.)
 Office of Strategic Services (U.S.)
 Ordnance Survey (U.K.)
 Orell Füssli Kartographie AG (Switzerland)
 Permanent Committee on Geographical Names (U.K.)
Petermanns Geographische Mitteilungen
 Preußische Landesaufnahme
 Rand McNally & Company (U.S.)
 Ravenstein Verlag (Germany)
 Royal Geographical Society (U.K.)
 R. R. Donnelley & Sons (U.S.)
 Russkoye geograficheskoye obshchestvo (Russian Geographical Society)
 Survey of India
 Topografische Dienst (Netherlands)
 Touring Club Italiano (Italian Touring Club)
 Tsentral’nyy nauchno-issledovatel’skiy institut geodezii, aeros”yëmki i kartografii (Central Research Institute of Geodesy, Air Survey, and Cartography; Russia)
 United Nations
 U.S. Army Corps of Engineers

U.S. Census Bureau
 U.S. Geological Survey
 U.S. Intelligence Community, Mapping by the Velhagen & Klasing (Germany)
 Verlag Ed. Hölzel (Austria)
 Wagner & Debes (Germany)
 Weather Channel, The (U.S.)
 Westermann Verlag (Germany)
 Wuhan cehui keji daxue (Wuhan Technical University of Surveying and Mapping; China)
 Zhongguo kexueyuan (Chinese Academy of Sciences)

Artifacts, Databases, Map Series, Projects, and Software (4.3)

Atlas of Canada
 Atlas of Finland
Bol’shoy sovetskiy atlas mira
 Canada Geographic Information System
 Digital Worldwide Mapping Projects
 General Bathymetric Chart of the Oceans (GEBCO)
 IDRISI (software)
 International Geophysical Year
 International Hydrographic Chart
 International Map of the World
 Landsat
 London Underground Map
National Atlas of the United States of America, The Report of the Committee of Enquiry into the Handling of Geographic Information (1987)
 SYMAP (software)
Times Atlas of the World
 Vinland Map
 World Aeronautical Chart

Events (4.4)

Cold War
 Gulf War (1991)
 Paris Peace Conference (1919)
 World War I
 World War II

Spatial Contexts (5)

Antarctica
 Arctic, The

