

[Joel L. Morrison collection: gray literature on the origins of computerized geographic information systems].

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Prepared by Ryan Moore

Collection Summary

Title: [Joel L. Morrison collection: gray literature on the origins of computerized geographic information systems].

Span Dates: 1963-2001

Call No.: G70.2 coll Morrison

Creator: Morrison, Joel L. R.

Extent: 98 folders ; 21 archival boxes (10.5 linear ft.)

Language: Collection material in English

Repository: Geography & Map Division, Library of Congress, Washington, D.C.

Abstract: Joel L. Morrison was active in the development of geospatial data standards, bringing together diverse efforts within the United States to create the Spatial Data Transfer Standard. He compiled a large body of papers on the topic from professionals around the world. His collection of gray literature and white papers from 1963 to 2001 by cartographic and geographic experts from around the world. The papers address the development of computerized geographic information systems. Also part of the collection are materials and correspondence from his time as Professor at The Ohio State University. These include notes during the writing of his book Elements of Cartography and for Goode's World Atlas. As also present is correspondence and materials relating to his work as editor for Annals of the Association of American Geographers and as chairman for the American Congress of Surveying and Mapping.

Selected Search Terms

The following terms have been used to index the description of this collection in the Library's online catalog. They are grouped by name of person or organization, by subject or location, and by occupation and listed alphabetically therein.

People

Morrison, Joel L.

Subjects

Cartography--History.

Historical geographic information systems.

Form/Genre

Manuscript maps.

Administrative Information

Provenance

In 2011, Joel Morrison, retired Professor of Geography and Head of the Center for Mapping at Ohio State University, donated the materials.

Processing History

The collection was arranged and described by Ryan Moore in 2015, which general adheres to the arrangement created by Professor Joel Morrison.

Copyright Status

The status of copyright of the Morrison collection is governed by the Copyright Law of the United States (Title 17, U.S.C.).

Access and Restrictions

The Morrison collection is open to research. Researchers are advised to contact the Geography & Map Reading Room prior to visiting. Many collections are stored off-site and advance notice is needed to retrieve these items for research use.

Preferred Citation

Researchers wishing to cite this collection should include the following information: Container number, Morrison collection, Geography & Map Division, Library of Congress, Washington, D.C.

Biographical Note

Joel L. Morrison was active in the development of geospatial data standards, bringing together diverse efforts within the United States to create the Spatial Data Transfer Standard. He compiled a large body of papers on the topic from professionals around the world.

He received his doctorate from the University of Wisconsin in Madison in 1968 and was hired as faculty. After teaching cartography and was department chairman 16 years. He entered government service in 1984 and joined the U.S. Geological Survey in Reston, Virginia as the Senior Advisor for Geography in the National Mapping Division. In 1987, he accepted the position of Assistant Division Chief in NMD for Research. In 1995, Dr. Morrison became the Chief, Geography Division of the U.S. Bureau of the Census. In 1998, he directed the Center for Mapping at The Ohio State University in Columbus until his retirement as Professor Emeritus in 2003.

Professor Morrison served as President of the American Congress on Surveying and Mapping and as President of the International Cartographic Association.

President of the American Congress on Surveying and Mapping and chair of its Cartography Division, he was instrumental in changing to the American Cartographic Association. He was one of the organizers of the Cartography Specialty Group of the Association of American Geographers.

Professor Morrison co-authored of Elements of Cartography, the classic English-language resource in cartography. He was an associate editor and senior consultant to Goode's World Atlas. He served as editor professional journals, including Annals Map Supplement.

Scope and Content Note

Consists of white papers, gray literature, correspondence, book proofs, and instructional materials. Includes proofs and correspondence of Goode's Atlas from 1971 to 1988. Materials relating to Elements of Cartography textbook, 4th and 5th editions from 1973 to 1982. Also present, correspondence and papers relating to Professor Morrison's role as chairman of the Cartography Division in the American Congress of Surveying and Mapping from 1977-1978. Correspondence as editor of Annals Map Supplement published by the Association of American Geographers.

Arrangement of the Collection

The Collection is organized in five series

- [Series I](#) Gray Literature
- [Series II](#) Professional Papers
- [Series III](#) Goode's Atlas
- [Series IV](#) Elements of Cartography
- [Series V](#) American Congress of Surveying and Mapping; Editor of Annals Map Supplement of the Association of American Geographers

Description of Series

<i>Container</i>	<i>Series</i>
BOX 1-12	<p><u>Gray Literature 1963-2001</u></p> <p>Papers are filed alphabetically by author. Listed below is information on title, year of creation or publication, author, and the institution or group affiliated with the author.</p> <p>Papers are filed in folders that are labeled using a three-letter naming convention, such as Aaa or Bbb. This system of arrangement was created by Professor Morrison.</p>
BOX 13-18	<p><u>Correspondence as Professor and Professional 1965-1994</u></p> <p>Correspondence is arranged chronologically and filed in six boxes. For some years, correspondence is divided between "incoming" and "outgoing" letters.</p>
BOX 19	<p><u>Goode's Atlas 1971-1988</u></p> <p>Correspondence is arranged chronologically.</p>
BOX 20	<p><u>Elements of Cartography 1973-1982</u></p> <p>Correspondence is arranged chronologically.</p>
BOX 21	<p><u>American Congress of Surveying and Mapping Editor of various publications 1973-1982</u></p> <p>Correspondence is arranged chronologically. Includes folders for his work as editor for Annals.</p>

Container List

<i>Container</i>	<i>Contents</i>
BOX 1-12	Gray Literature 1963-2001 Papers are filed alphabetically by author. Listed below is information on title, year of creation or publication, author, and the institution or group affiliated with the author. Papers are filed in folders that are labeled using a three-letter naming convention, such as Aaa or Bbb. This system of arrangement was created by Professor Morrison.
FOLDER Aaa	Everything in its Place: GPS, GIS, and Geography in the 1990s 1992 Ronald F. Abler Penn State University
FOLDER Aaa	Cartography - Que Vadis? Major General G. C. Agarwal Surveyor General of India
FOLDER Aaa	Transformations and Geographic Theory 1971 Shlomo Angel and Geoffrey M. Hyman London Centre for Environmental Studies
FOLDER Aaa	From Local GIS to Global Address Quality 1995 Antonio Morais Arnaud New University of Lisbon
FOLDER Aaa	The WWW Prototype of the Alexandria Digital Library 1995 D. Andresen, et al University of California at Santa Barbara
FOLDER Aaa	The National Atlas of the United States: Planning for a Second Edition 1985 James R. Anderson and Charles W. Beetschen U.S. Geological Survey
FOLDER Aaa	Data Uncertainty in GIS... Nils G. Andersson City of Copenhagen
FOLDER Aaa	Duality in the Quality of Notion for GIS-Data 1995 Oystein Andersen Agricultural University of Norway Department of Mapping Services
FOLDER Aaa	What Would the Theory of Reflection Have Brought for Cartography 1994 E. P. Arzhanov
FOLDER Aaa	Map Design for the User 1973 Chris Arvetis Rand McNally
FOLDER Aaa	Metacartography 1974 A. F. Aslanikashuili
FOLDER Bbb	The Minnesota Geography Exhibit: Making the "Latent Geographer" in Visitors Active 1979 Thomas J. Baerwald and Rob Britton Science Museum of Minnesota Geography Department
FOLDER Bbb	Characteristics of Cartographic Communication 1976 M. Balodis Western Australian Institute of Technology Department of Surveying
FOLDER Bbb	Communicating through Statistical Maps Olayinka Y. Balgon

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FOLDER Bbb	University of Lagos Department of Geography Standards for Digital Cartographic Data... MacDonald Barr Lincoln Institute of Land Policy
FOLDER Bbb	Large Administrative Boundary Data Sets... Robert Barr University of Manchester School of Geography
FOLDER Bbb	Perceptually Relevant Environmental Quality Measures... 1972 Patrick J. Bartlein and Mark D. Menchik University of Wisconsin Geography Department
FOLDER Bbb	The FY-1997 National Spatial Data Infrastructure... 1996 G. Barton N.O.A.A.
FOLDER Bbb	An In-depth Study of Automated Name Placement Systems Umit Basoglu
FOLDER Bbb	Basic Requirements of an Automated Mapping System 1973 Carol Bateman Oxford Polytechnic
FOLDER Bbb	Results of Black for High Vrs. White for High Test John Beets
FOLDER Bbb	Obtention de Cartes au 1:100,000... 1984 Francisco Gonzalez Bermejo Servicio Geografico del Ejercito
FOLDER Bbb	Mapping for Urban Studies Peter F. Bermel U.S. Geological Survey
FOLDER Bbb	The Federal-State Interface: A History of Joint Mapping Efforts Peter F. Bermel U.S. Geological Survey
FOLDER Bbb	Theory of Communication & Theory of the Graphic Jacques Bertin
FOLDER Bbb	ICA Commission on Base Maps for International Thematic Mapping 1980 R. J. Bertrand
FOLDER Bbb	An Automatic System of Cartography 1964 D. P. Brickmore and A. R. Boyle
FOLDER Bbb	Cartographic Data Banking D. P. Brickmore
FOLDER Bbb	Computer Assisted Cartography in Europe David P. Brickmore David Brickmore Associates
FOLDER Bbb	Autocartography: Not so much a Program, more a way of Life Stein W. Bie Norwegian Computing Center
FOLDER Bbb	Digital Library Use and Social Practice 1998 Ann P. Bishop, et al University of Illinois, Urbana-Champaign
FOLDER Bbb	Designing and Using a Cartographic Extract... Amy Brishton U.S. Bureau of Census

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FOLDER Bbb	UK Research and Development in GIS... Michael Blakemore University of Durham Mountjoy Research Centre
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FOLDER Bbb	The Geographer's Contribution to Evaluating Maps as Vehicles for Communicating Information Christopher Board London School of Economics
FOLDER Bbb	How can Theories of Cartographic Communication be Used to Make Maps More Effective 1977 Christopher Board London School of Economics
FOLDER Bbb	Progress in Experimental Research on Perception and Cognition for the Improvement of Cartographic Communication Christopher Board London School of Economics
FOLDER Bbb	The Need to Integrate Map Use... Christopher Board London School of Economics
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FOLDER Bbb	The Development of Concepts of Cartographic Communication... 1982 Christopher Board London School of Economics
FOLDER Bbb	A Verbal Approach to Map Design and Map Evaluation 1972 Barbara S. Bartz
FOLDER Bbb	Military Map Design: What Does the User Need? 1973 Barbara Bartz Petchenik
FOLDER Bbb	From Place to Space... 1978 Barbara Bartz Petchenik R.R. Donelley & Sons Co.
FOLDER Bbb	The Futures of Cartography 1982 Barbara Bartz Petchenik R.R. Donelley & Sons Co.
FOLDER Bbb	What Does Research Tell Us About Children's Map-Reading Abilities? 1966 Barbara S. Bartz National Council for Geographic Education
FOLDER Bbb	Some Aspects of Dot Map Perception 1963 Barbara S. Bartz
FOLDER Bbb	The Figure-Ground Relationship: Its Role in Cartographic Design Barbara S. Bartz

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FOLDER Bbb	Geographical Map in the Alexander World Atlas... 1977 Helmut Schulze
FOLDER Bbb2	Das Engagement der Internationalen Kartographischen... Rolf Boehme
FOLDER Bbb2	An Integrated System of Processing Geographic Names 1972 Rolf Boehme Institut fuer Angewandte Geodaese
FOLDER Bbb2	Automated Method for Developing the Cartographic Projections of the Small-scale Maps 1967 V. M. Bohinsky
FOLDER Bbb2	Computer-Assisted Map Compilation, Editing, and Finishing L.H. Borgerding, et al U.S. Geological Survey
FOLDER Bbb2	Information Technology and the Development of a Market Economy 1993 Sandor Bottka National Committee for Technological Development in Hungary
FOLDER Bbb2	Decisive Criteria for GIS Comparative Study and Evaluation Francois Bouille
FOLDER Bbb2	General Methodology of Maps Digitization and some Improvements Based upon Pattern Recognition Francois Bouille Universite Pierre et Marie Curie
FOLDER Bbb2	Spatial Data Capture and Representation 1981 A. R. Boyle University of Saskatchewan
FOLDER Bbb2	7.5 Arc-Minute Quad Map Revision... 1988 Earl Brabb U.S. Geological Survey
FOLDER Bbb2	The Extent of Landsliding in Northern New Mexico... 1987 Earl Brabb U.S. Geological Survey
FOLDER Bbb2	Geospatial Data: The Need to Get Our Act Together 1997 Michael J. D. Brand
FOLDER Bbb2	Manipulation Process in Computer Cartography 1978 Kurt Brassel State University of New York at Buffalo Department of Geography
FOLDER Bbb2	Research Needs Related to Cartographic and Other Spatial Data Displays 1981 Kurt Brassel Universidad de Los Andes Instituto de Geografia
FOLDER Bbb2	Orthogonal Three-Dimensional Views for Thematic Mapping Kurt Brassel and Zissis Kiriakakis Universitaet Zuerich-Irchel
FOLDER Bbb2	Linking Crime and Census Information within a Crime Mapping System Kurt Brassel and Jack J. Uteno State University of New York at Buffalo Department of Geography
FOLDER Bbb2	Buffalo Crime Mapping System... 1977 Kurt Brassel, et al State University of New York at Buffalo Department of Geography
FOLDER Bbb2	Computer Mapping Basics and Workbork 1995 Frederick Broome and Timothy F. Trainor

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FOLDER Bbb2	Tiger Preliminary Design and Structure Overview... 1984 Frederick Broome U.S. Bureau of Census
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FOLDER Bbb2	Data Digital Elevation Model Collection Systems Ernest B. Brunson and Randle W. Olsen U.S. Bureau of Census
FOLDER Bbb2	Information Ratio 1955 Reid Bryson University of Wisconsin Department of Meteorology
FOLDER Bbb2	Variances Spectra of Certain Natural Series 1960 Reid Bryson University of Wisconsin Department of Meteorology
FOLDER Bbb2	Quality Assurance for Providing Appropriate Data 1992 Felix Bucher University of Zurich Department of Geography
FOLDER Bbb2	The Philosophy of Maps 1968 W. Bunge, et al Wayne State University
FOLDER Bbb2	Log Normal Interpolation in Grain Size Analysis Heinz Burger Free University of Berlin Geological Institute
FOLDER Bbb2	Object-Oriented Map Generalization: Modeling and Cartographic Considerations 1994 Barbara P. Buttenfield U.S. Geological Survey
FOLDER Ccc	Statistical Presentation -- Of What, To Whom, and for Which Purpose? 1983 Nancy Clark Joint Statistical Meeting
FOLDER Ccc	Automated Cartographic Products Mary Clawson Defense Mapping Agency
FOLDER Ccc	The Problem of Spatial Autocorrelation 1968 Andrew D. Cliff and J. Keith Ord University of Bristol School of Economics
FOLDER Ccc	Ordinance Survey Digital Mapping 1973 D.J. Coles British Cartographic Society Annual Technical Symposium
FOLDER Ccc	Cartographic Promises of ERTS-1 1972 Alden Colvocoresses U.S. Geological Society
FOLDER Ccc	Evaluation of the First Earth Resources Technology Satellite (ERT-1) for Cartographic Application 1974 Alden Colvocoresses U.S. Geological Society
FOLDER Ccc	Mapping of Washington, D.C., and Vicinity with the Landsat4 Thematic Mapper 1984 Alden Colvocoresses U.S. Geological Society

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FOLDER Ccc	Digital Data Standards for Hypsography Thomas Connolly U.S. Geological Society
FOLDER Ccc	The Potential for Video Disc Technology in Cartography Daniel J. Costanzo U.S. Army Engineer Topographic Laboratories
FOLDER Ccc	Contouring a Grid 1969 W.J. Coulthard University of British Columbia Computing Centre
FOLDER Ccc	Plotting Perspective Views of Surfaces 1969 W.J. Coulthard University of British Columbia Computing Centre
FOLDER Ccc	Adding Topological Structure to PC-Based CAD Databases 1986 David J. Cowen, et al University of South Carolina Department of Geography
FOLDER Ccc	Alternative Approaches to Display of USGS Land Use/Land Cover Digital Data 1984 David J. Cowen, et al University of South Carolina Department of Geography
FOLDER Ccc	Computer Mapping Vs. GIS: Implications for Applied Geography 1986 David J. Cowen University of South Carolina Department of Geography
FOLDER Ccc	The Cumulative Frequency Nearest Neighbor Method for the Identification of Spatial Patterns 1966 Stewart R. Cowie University of Bristol Department of Geography
FOLDER Ccc	The Mathematical and Logical Procedure of the Stepwise Regression Program with Learning 1965 Richard L. Crandall University of Michigan Computing Center
FOLDER Ccc	1984 AAG Survey of Departments of Geography in the U.S. and Canada 1985 Scott Creasy and Salvatore J. Natoli Association of American Geographers
FOLDER Ccc	Resolution, Accuracy and Attributes: Approaches for Environmental Geographical Information Systems 1989 Ferenc Csillag, et al Hungarian Academy of Sciences Department of Geography
FOLDER Ccc	Modification of a Traditional Scheme for Summarizing Thematic Mapping Strategy David J. Cuff Temple University Department of Geography
FOLDER Ccc	Metrication in the Surveying Classroom 1980 Kenneth S. Curtis Purdue University School of Civil Engineering
FOLDER Ccc2	Research Needs Related to System Design and Economics 1981 Hugh W. Calkins SUNY Buffalo Department of Geography
FOLDER Ccc2	Creating Large Digital Data Files from Mapped Data Hugh W. Calkins SUNY Buffalo Department of Geography
FOLDER Ccc2	Multivariate Grouping Scheme: Association Analysis of East Anglian towns Lucy Carce

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FOLDER Ccc2	Effective Graphics Require Effort 1977 James R. Carter University of Tennessee Geography Department
FOLDER Ccc2	Collection of Definitions, Comments, Observations and Opinions Relative to Computer Graphics and Automated Cartography James R. Carter University of Tennessee Geography Department
FOLDER Ccc2	Towards the Definition of Cartography as a Profession 1986 James R. Carter University of Tennessee Geography Department
FOLDER Ccc2	Videodiscs and Surrogate Travel: The Map - Environment Interface 1987 Laurence W. Carstensen Virginia Polytechnic Institute Department of Geography
FOLDER Ccc2	Measure of Similarity for Cellular Maps 1987 Laurence W. Carstensen and Allan B. Cox Virginia Polytechnic Institute Department of Geography
FOLDER Ccc2	Towards Fuzzy Geometry 1995 Wilhelm Caspary Munich University Institute for Geodesy
FOLDER Ccc2	Perceptual Processes During the Initiation of Map Viewing 1978 Henry W. Castner Queen's University Department of Geography
FOLDER Ccc2	An Examination of Data Differentiation and Cartographic Symbolization 1976 Kang Tsung Chang
FOLDER Ccc2	Lettering Design Atlases Kang Tsung Chang
FOLDER Ccc2	Cartographic Structure and Function: A New Perspective on Map Language 1989 Jois Child SUNY Buffalo Department of Geography
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FOLDER Ccc2	U.S. Geological Survey Mini Image Processing System 1983 Pat Chaver U.S. Geological Survey
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FOLDER Ccc2	Paper and Network Scholarships... 1999 T. Matthew Ciolek Australian National University
FOLDER Ccc2	Orientation and Operation of Stereoscopic Plotting Instruments 1959 James L. Claff University of Wisconsin
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FOLDER Ddd	Description of Line Patterns 1960 Michael F. Dacey University of Washington Department of Geography
FOLDER Ddd	Linguistic Aspects of Maps and Geographic Information Michael F. Dacey University of Washington Department of Geography
FOLDER Ddd	Comments on the Experimental Design of the Nearest Statistic 1958 Michael F. Dacey University of Washington Department of Geography
FOLDER Ddd	Syntax of a Triangle and Some Other Figures Michael F. Dacey Northwestern University Department of Geography
FOLDER Ddd	A Data Base for Education in the Mapping Sciences in the U.S. 1979 Richard E. Dahlberg Northern Illinois University
FOLDER Ddd	Evaluation of the U.S. System of Cartographic Education 1976 Richard E. Dahlberg Northern Illinois University
FOLDER Ddd	Nature & Role of Maps 1967 Richard E. Dahlberg Syracuse University
FOLDER Ddd	Problem Areas & Priorities for Cartographic Education in the United States 1979 Richard E. Dahlberg Northern Illinois University
FOLDER Ddd	Education Needs and Problems of the National Cartographic System 1980 Richard E. Dahlberg Northern Illinois University
FOLDER Ddd	Perspective on Communication Between the Map Using and Map Producing Communities in the United States 1980 Richard E. Dahlberg Northern Illinois University
FOLDER Ddd	Report of the First Working Meeting of ICA Commission on Continuing Education in Cartography... 1981 Richard E. Dahlberg Northern Illinois University
FOLDER Ddd	Accounting for the Geography of Population... 1992 Donald C. Dahman U.S. Bureau of Census
FOLDER Ddd	Census Bureau Honors Distinguished Cartographer 1996 Donald C. Dahman U.S. Bureau of Census
FOLDER Ddd	Automatic Measurement of Line Networks and Areas: Determination of Stream Lengths... George Dalke and Roger McCoy

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FOLDER Ddd	Future Role of GIS and Its Technological Development in the Process of Environmental Protection 1995 Jack Dangermond Environmental Systems Research Institute
FOLDER Ddd	The Surveying Profession in the United Kingdom 1984 Clifford Dann Royal Institution of Chartered Surveyors
FOLDER Ddd	Spatial Data Manipulation and Analysis 1981 John C. Davis Kansas Geological Survey
FOLDER Ddd	Simulating and Mapping Spatial Complexity Using Multiscale Techniques 1992 Lee De Cola U.S. Geological Survey
FOLDER Ddd	Electronic Atlas Technology in the Surveys and Mapping Branch Energy, Mines and Resources Canada Roger M. Defoe Surveys and Mapping Branch Ottawa, Ontario Canada
FOLDER Ddd	Map positioning by means of an oscilloscope reproducing selected map images imparting to a world-wide, three-axial Navstar-Chart 1986 Marie-Louise Deile
FOLDER Ddd	Models of Cartographic Communication: A Survey Alan DeLucia University of Idaho The Cart-o-graphics Laboratory
FOLDER Ddd	A Medium Resolution Population Database for Africa 1994 Uwe Deichman University of California at Santa Barbara Department of Geography
FOLDER Ddd	Cartography - Snapshot or Cinema? Robert Dennis National Ocean Survey
FOLDER Ddd	Mapping and Computers: The Green Bay Wisconsin Area Street Map 1984 Anthony R. de Souza Universtiy of Wisconsin
FOLDER Ddd	Quelques Exemples D'Analyses Geomorphometriques... 1985 Christian Depraetere Pennsylvania State University
FOLDER Ddd	Surveillance Satellite Project Experiment No. 74 1980 Eugene E. Derenyi University of New Brunswick Department of Surveying Engineering
FOLDER Ddd	A Modest Proposal: A Census Historical Chartbook 1998 Dave DesJardins
FOLDER Ddd	The Advanced Cartographic System 1969 Joseph Diello
FOLDER Ddd	The American Institute for Geographic Research 1985 Jerome E. Dobson Oak Ridge Laboratory
FOLDER Ddd	Automated Geography: Status and Prospects 1986 Jerome E. Dobson and Richard C. Durfee Oak Ridge Laboratory
FOLDER Ddd	Alternative Research Strategies and Map Reading 1979 Michael W. Dobson

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FOLDER Ddd	University of New York at Albany Department of Geography Meaning from Data: Implications for Data Analysis and Database Management Systems 1983 James L. Dolby San Jose State University
FOLDER Ddd	An Automated System of Map Digitizing with Additional Automatical Stations Andreas Domaske, et al Mitteldeutsche Kartographie & Druck
FOLDER Ddd	Technology and Education in a Developing Country... 1983 David H. Douglas University of Ottawa Department of Geography
FOLDER Ddd	Approaches to and Problems in the Measurement of Geographic Space Perception 1968 Roger M. Downs University of Bristol
FOLDER Ddd	Habitat Analysis and Modelling for Endangered Species.. I. Downey, et al. University of Salford Department of Geography
FOLDER Ddd	Satellite Systems for Cartography 1983 Frederick Doyle U.S. Geological Survey
FOLDER Ddd	Geodetic Datums 1986 Frederick Doyle U.S. Geological Survey
FOLDER Ddd	Are We One Profession, or Several? 1983 Frederick Doyle International Society for Photogrammetry and Remote Sensing
FOLDER Ddd	The Current Status of Airborne Military Mapping in the U.S. Air Force 1972 John A. Dutton and Robert G. Livingston U.S. Air Force
FOLDER Eee	Uncertainty Metadata and GIS Software System Design
FOLDER Eee	Automated Names Placement in a Non-Interactive Environment 1991 J. Ronald Eastman and Hong Jiang Clark University
FOLDER Eee	Editing of Digital Cartographic Data at Rome Air Development Center 1990? Lee R. Ebinger and Ann M. Goulette U.S. Bureau of Census
FOLDER Eee	Automatic Thematic Mapping in the EROS Program 1972 U.S. Air Force
FOLDER Eee	An Algorithm to Calculate Proportional Area Transformation Factors for Digital Cartographic Databases 1972 Dean T. Edson U.S. Geological Survey
FOLDER Eee	Towards a European Geographic Information Framework 1983 Robert Edwards Union Carbide
FOLDER Eee	Quality Indicators for Integrated GIS Datasets 1995 European Geographic Information Infrastructure
FOLDER Eee	Census Geographic Area Delineation... 1994? Manfred Ehlers and Shi Wenzhong University of Vechta, GIS and Remote Sensing

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- FOLDER Eee A Study of Moss and Idims: The FMLIS Pilot Project Example 1986
Christian Elvhage and Peter Andersson
National Land Survey of Sweden
- FOLDER Eee A Hypermedia GIS: The Massachusetts Turnpike Study 1984
Eros Data Center
- FOLDER Eee Baseline Data Needs for Environmental Assessment and Sustainable Development
Stephen M. Ervin
Harvard Graduate School of Design
- FOLDER Eee The Mythical Map 1994
John E. Estes
United Nations Environment Programme
- FOLDER Eee Remote Sensing and GIS Integration 1994?
John E. Estes and D. Wayne Mooneyhan
Universities Earth Science Program
- FOLDER Eee The Implementation of an Automated Cartography System 1993
John E. Estes and Jeffrey L. Star
University of California at Santa Barbara Department of Geography
- FOLDER Eee General Geomorphometry Derivatives of Altitude and Descriptive Statistics 1989
Ian S. Evans
Royal College of Art Experimental Cartography Unit
- FOLDER Eee 1970
Ian S. Evans
University of Durham Department of Cartography
- FOLDER Fff When the Call Comes 1989
James C. Fletcher NASA
- FOLDER Fff Name Placement for GRNB Computer Mapping 1983
Steven Flint
University of New Mexico Institute for Applied Research Services
- FOLDER Fff Development of a Low-Cost PC-Based Image-Processing and Mapping GIS... 1990
Sten Folving, et al
European Commission Institute for Remote Sensing Applications
- FOLDER Fff The Baltimore-Washington Regional Collaboratory Land Use History Research Program 1998
Timothy W. Foresman
University of Maryland at Baltimore Spatial Analysis Laboratory
- FOLDER Fff Baltimore-Washington Corridor Spatial Dynamics and Human Impacts Study 1995
Timothy W. Foresman
University of Maryland at Baltimore Spatial Analysis Laboratory
- FOLDER Fff Alpine Vegetation Classification Using High Resolution Aerial Imagery.. 1985
Thomas D. Frank and Scott A. Isard
University of Illinois Department of Geography
- FOLDER Fff GIS Techniques in the Collection and Presentation of Data at the United States Bureau of the Census 1990
Linda M. Franz
U.S. Bureau of Census
- FOLDER Fff An Expert System for Dense-Map Name Placement
Herbert Freeman and Jeffrey S. Doerschler
Rutgers University CAIP Center

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FOLDER Fff	Geography as an International Science... 1986 Roland J. Fuchs University of Hawaii
FOLDER Fff	The Problem of Communication between Editors and Users of Atlases H. Fullard George Philip & Son Ltd.
FOLDER Fff	Getting it on the Map... 1987 Howard T. Fisher Lab for Computer Graphics
FOLDER Fff	Introductory Manual for Synagraphic Computer Mapping 1967 Howard T. Fisher Lab for Computer Graphics
FOLDER Fff	Spatial Analysis and Mapping on the Internet 1998 Tim Foresman
FOLDER Fff	Surveying Education and the Profession in New Zealand P. B. Finn
FOLDER Fff	Statistical Analyses of Ocean Terrain and Contour Plotting Procedures 1964 Paul Switzer, et al Department of Navy
FOLDER Ggg	Spatial Data Recording and Processing for Urban Planning and Management 1973 G.M. Gaits London Department of the Environment
FOLDER Ggg	Fuzzy GIS Sasikala Ganesan Center for Mapping
FOLDER Ggg	Status Report 1995 Geographic Base Information System
FOLDER Ggg	Geoscientific Information Exchange in Austria Databases and Cooperations Gottfried Gerstbach TU Vienna
FOLDER Ggg	Automated Cartography 1968 Erwin F. O. Gigas U.S. Coast and Geodetic Survey
FOLDER Ggg	Effective Map Design 1973 C. R. Gilman U.S. Geological Survey
FOLDER Ggg	AAG Presidential Address 1999 Pat Gober American Association of Geographers
FOLDER Ggg	On Determining Cognitive Configurations of a City 1974 R. G. Golledge Ohio State University Department of Geography

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- FOLDER Ggg A Methodology for Reporting Uncertainty in Spatial Database Products
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- FOLDER Ggg Evaluation of Textbook Content in Photogrammetry 1977
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Donald R. Graff
University of Wisconsin Surveys Institute
- FOLDER Ggg The Quarter Inch to One Mile Map of Great Britain 1964
D. L. Griffith and J. J. Kelly
I.C.A. Technical Symposium
- FOLDER Ggg Cartography in the Third Communication Revolution 1980?
Richard Groot
Ottawa Surveys and Mapping Branch
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FOLDER Sss2	Automap System 1968 Warren E. Schmidt Central Intelligence Agency
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FOLDER Sss2	Mapping Urban America with Automated Cartography 1973
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FOLDER Sss2	Importance of Spatial Scale for Environmental Health Policy and Research Ken Sexton, et al University of Minnesota
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FOLDER Sss2	American Revolution: A Selective, Annotated Bibliography of 18th Century Maps in the Collections of The Library of Congress Michael H. Shelley
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FOLDER Ttt	Automated Contouring of Block Models A. L. Thomas University of Edinburgh
FOLDER Ttt	Additional Comments on Weighing Values in Correlation Analysis of Arial Data Edwin N. Thomas and David L. Anderson Arizona State University
FOLDER Ttt	Individual Differences in Knowledge Acquisition from Maps 1979 Perry W. Thorndyke and Cathleen Stasz Office of Naval Research
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FOLDER Uuu	On Resources for Teaching Adjustment Urho A. Uotila Ohio State University
FOLDER Uuu	User Guide to Digital Elevation Models U.S. Geologic Survey
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FOLDER Uuu	Digital Cartographic Database Preliminary Description 1975 U.S. Geologic Survey
FOLDER Vvv	Geographical Information & Decision Support System George G. Van der Meulen
FOLDER Vvv	Impact of Development in the Field of Information on Cartographic Representation... 1986 E. H. Van de Waal
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FOLDER Www2	Frequency Concepts in Cartographic Design Everett A. Winegert University of Hawaii
FOLDER Www2	Applications of Optical Processing to the Communication of Cartographic Data 1975 Everett A. Winegert University of Hawaii
FOLDER Www2	Technology and Future Ground Processing Systems Bill J. Wood and Kenneth W. Ruggles Ocean Data Systems, Inc.
FOLDER Www2	Cartographic Feature Coding Bruce D. Wood and David H. Douglas University of Ottawa
FOLDER Www2	Careers in Cartography 1979 Clifford Wood and David H. Douglas Carleton University
FOLDER Www2	World Takes Shape: Fifty Influential World Maps Clifford Wood
FOLDER Www2	Experimental Cartography: The Comparative Evaluation of Mapping Methods 1978 Christopher Worth London School of Economics
FOLDER Www2	Determining a Vertical Scale for Graphical Representations of Three-Dimensional Surfaces 1978 Christopher Worth London School of Economics
FOLDER Www2	Construction of Computer Produced Views of Three-Dimensional Data 1978 Christopher Worth London School of Economics
FOLDER Www2	Some Quantitative Aspects of the Psychological Responses to Color Maps John H. Wright Central Intelligence Agency
FOLDER Www2	Lunar Terrain Analysis by Statisical Method 1972 Sherman S. C. Wu U.S. Geological Survey
FOLDER Yyy	Application of Markov Chain Theory to Spatial Analysis Laksham S. Yapa Syracuse University
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FOLDER Yyy	Computer Assisted Determination of the Valley and Ridge Lines of Digital Terrain Models 1982 P. Yoeli
FOLDER Yyy	Relief Representation by Contours with Computers and Plotters and Its Accuracy P. Yoeli
FOLDER Yyy	Statistical Characterization of Altitude Matrixes by Computer 1978 Margaret Young
FOLDER Yyy	Cartographic Standards and Automated Cartography Carl E. Youngmann University of Washington
FOLDER Yyy	Comparing Age Structures by Nonparametric Classification Carl E. Youngmann University of Washington
FOLDER Yyy	Environmental Cartographic Data Entry Carl E. Youngmann University of Washington
FOLDER Yyy	Linguistic Approach to Map Description Carl E. Youngmann University of Washington
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FOLDER Yyy	Application of Computer Mapping Techniques to Compiling of "Natural Population Atlas of China" Liu Yue and Jin Hui
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FOLDER Zzz	Applications of Expert System in Land Resources Research Zhao Wei, et al Chinese Academy of Sciences
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FOLDER Zzz	Metric Photography in Aerial Photogrammetry Hartmut Ziemann Photogrammetric Research, Canada
FOLDER Zzz	Unsolicited Proposal to Perform Research and Development Related to Digital Terrain Modeling 1981 Zycor Inc. University of Wisconsin
BOX 13-18	Correspondence as Professor and Professional 1965-1994 52 folders

Correspondence as Professor and Professional 1965-1994

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Correspondence is arranged chronologically and filed in six boxes. For some years, correspondence is divided between "incoming" and "outgoing" letters.

BOX 19

Goode's Atlas 1971-1988

Correspondence is arranged chronologically.

Rand McNally Goode's Atlas Correspondance and Manuscript Edits 1971-1972

1 folder

Rand McNally Goode's Atlas Correspondence 14th Edition 1973

1 folder

Rand McNally Goode's Atlas Correspondence 16th Edition 1982

2 folders

BOX 20

Elements of Cartography 1973-1982

Correspondence is arranged chronologically.

Elements of Cartography 4th Edition 1973-1976

1 folder

Wiley Elements 4th Edition 1977-1980

1 folder

Elements - Revision papers 4th Edition permissions 1977-1980

1 folder

Design of 5th Edition 1983-1988

1 folder

Internal letters between authors and editors

Elements 5th Edition - Correspondence with Onno Browser 1983

1 folder

Elements 5th Edition 1983-1984

1 folder

BOX 21

American Congress of Surveying and Mapping Editor of various publications 1973-1982

Correspondence is arranged chronologically. Includes folders for his work as editor for Annals.

Joel - Map Supplement Editor 1973-1976

1 folder

Annals Map Supplement

Mapping Sciences and Remote Sensing - article submission inquiries 1982-1984

1 folder

U.S. Geological Survey publication

American Congress Survey and Mapping - meeting 1981 1981

1 folder

JLM - Chairman - Cartography Div. ACSM 1977-1978

1 folder