

RYAN RUDNICKI

Biographical and Academic Information

Campus Address:	Department of Geological Sciences The University of Texas at San Antonio San Antonio, TX 78249 Telephone: 210/458-4455	
Education:	1964-1968	University of Connecticut. Major in History. B.A., June 1968.
	1969	Special Summer Seminar in Cultural Anthropology conducted by the Department of Anthropology, Penn State University, in Guatemala. Professor Gabriel Escobar, Supervisor.
	1970	Seminar in Advanced Thematic Cartography at the Laboratory for Computer Graphics and Spatial Analysis, Harvard University. Mr. Howard Fisher, Instructor.
	1969-1975; 1977-1979	Pennsylvania State University. Major in Geography. M.S., June 1971. Ph.D., November 1979.
	1980	N.E.H. Summer Institute in Cartography. The Newberry Library, Chicago, Illinois. Professor David Woodward, Director.
	1980-1981	AAAS/NSF Chautauqua Short Course on "The 1980 Census in the Undergraduate Classroom." Professor Dudley Poston, Instructor.
	1982	Demographic Analysis Workshop presented by the New York State Data Center. Michael Batutis, Leader.
	1983	Computer Aided Map Design Workshop presented by the Intergraph Corporation, Denver, Colorado. George McLeary, Instructor.
	2005	GIS and Marine Science/Coastal Issues summer institute, NSF/MATE Center,

Monterey (CA) Peninsula College. Deidre Sullivan, Instructor.

NSF Chautauqua Short Course: "Geology of Southern Cascade Volcanoes". William Hirt, Instructor.

Employment History:

Adjunct Faculty, Earth and Environmental Science Department, University of Texas-San Antonio, 2005 to present

Adjunct Faculty, Political Science/Geography Department, University of Texas-San Antonio, 2004-2005, 2008.

Adjunct Faculty, Chemistry, Earth Sciences, and Astronomy Department, San Antonio College, 2001 to present.

Associate Professor of Geography and Planning, Southwest Texas State University, 1993-2001. Assistant Professor, 1985-1993.

Visiting Assistant Professor of Geography, University of Nebraska, 1984-1985.

Lecturer in Geography (Assistant Professor Level), Humboldt State University, 1982-1984.

Assistant Professor of Geography, State University College, Oneonta, New York, 1979-1982.

Instructor of Geography, Continuing Education Program, Penn State University, summer term 1978, at Rockview State Correctional Institution.

Instructor, Department of Geography, East Stroudsburg State College, 1975-1976.

Cartographic Technician, AAG Comparative Urban Atlas Project, 1974-1975.

Research Assistant, Population Issues Research Office, Penn State University, 1972-1974.

Teaching Assistant, Department of Geography, Penn State University, 1970-1972.

Research Assistant, Department of Anthropology, Penn State University, 1969-1970.

Awards and Grants:

National Endowment for the Humanities, fellowship for participation in Summer Institute in the History of Cartography, Newberry Library, Chicago, Illinois, 1980.

American Association for the Advancement of Science, stipend to participate in chautauqua on the 1980 Census, White Plains, NY. Fall 1980 and Spring 1981.

HSU, Special Presidential Fund. Award of \$9600 to purchase computer mapping hardware for the geography department. Spring 1983.

HSU, Council on Instructional Innovation. Award of \$300 to develop a course titled "Computer Graphics for the Social Sciences." Winter 1984.

Hays County, county judge's office. Contract for \$5000 to generate digital database of Hays county. Spring 1987.

Hays County, county judge's office. Contract for \$10,000 to develop a geographical information system for Hays county. Fall 1988.

SWT Library Research Committee. Award of \$750 to procure digital materials for a research project on population migration. Fall 1988.

Mapinfo Corporation. Award of \$1,195 in software for geographical information systems, 1990.

SWT Instructional Use Computing Mini Grant of \$15,590 for the purchase of computer hardware for the teaching of Geographic Information Systems (with Richard Boehm), 1990.

Texas Water Development Board. Contract/Grant for \$2,475 to design and develop GIS database for irrigated lands in Texas (pilot project), 1990.

Texas Water Development Board. Contract/Grant for \$9,750 to expand GIS database for irrigated lands in Texas, 1990-1991.

Hays County, Texas. Contract/Grant for \$9,622 to design and produce an atlas of Hays county roads. 1991-1992.

Texas Parks and Wildlife Department. Contract/Grant for \$15,150

to assist in an environmental impact assessment study by compiling and generating vegetation cover GIS data bases for two potential reservoir sites in south Texas. 1991-1992.

U.S. Department of the Interior. National Park Service. Contract/Grant for \$5,8455 to design and develop a GIS data base for the Missions National Historical Park, San Antonio, TX. 1992-1993.

City of Dripping Springs, Texas. Contract/Grant for \$4,999 to compile and produce a map showing the extra-territorial jurisdiction of the city. 1992-1993.

Texas Parks and Wildlife Department. Contract/Grant for \$21,000 to determine land use change in the area of a proposed reservoir in east Texas. 1993.

SWT Merrick Endowment release-time grant for the development of a module in the "Integration of Global Positioning Satellite System Technology in the Cartography and GIS Curriculum".

U.S. Fish and Wildlife Service. Contract/Grant for \$36,000 to develop environmental quality GIS data base for the Laguna Atascosa Wildlife Refuge; and develop a general GIS data base for USF&WS holdings in Texas. 1993-1995.

Environmental Systems Research Institute (ESRI). Instructional software grant for \$11,000. 1993.

San Marcos Consolidated ISD. Contract/Grant for \$20,100 to design attendance zones for four elementary schools and two junior high schools; and for generating student population projections for the period 1994-2004. 1993-1994.

Environmental Systems Research Institute (ESRI). Instructional software grant valued at \$6,000. 1994.

Texas Natural Resource Conservation Commission. Contract/Grant for \$150,000 to design and develop a GIS database for closed landfills in Texas (with Robert Larsen). 1995-1996. Renewed for 1996-1997 with an additional \$150,000.

San Marcos Consolidated ISD. Contract/Grant for \$7,000 to re-design attendance zones for two elementary schools. 1996.

Texas Natural Resource Conservation Commission. Contract/Grant for \$80,000 to design and develop a GIS database for Municipal

Utility Districts in Texas. 1996.

Texas Natural Resource Conservation Commission. Contract/Grant for \$52,000 to add to the GIS database for Municipal Utility Districts in Texas. 1997.

Environmental Systems Research Institute (ESRI). Web-based GIS software grant valued at \$10,000. 1998.

Cleveland County, OK. Contract for \$5,000 to develop procedures for and execute geo-referencing and edge-matching of some 320 digital maps containing some 20,000 parcels in the county. 1999.

U.S. Fish and Wildlife Service. Contract/Grant for \$58,000 to develop GIS data layers in support of natural resource management plans for three Randolph AFB properties (in Bexar, Comal, and Guadalupe Counties, TX), 2001-2003.

San Antonio College. Innovative Teaching Grant (\$1500) for "World Regional Geography course using G.I.S.", 2005.

San Antonio College. Stipend (\$3200) for developing intermediate G.I.S. course using a blended (on-campus/internet) teaching approach, 2005.

MATE Center, Monterey (CA) Peninsula College. Stipend to participate in NSF-supported short-course on GIS and Marine Science/Coastal Issues, 2005.

Invited participant, NSF funded national conference, "Critical Issues in Geospatial Technology Education Forum". Monterey, California. Jan 5-7, 2007 (unable to participate)

Publications:

"On Three-Dimensional Surface Plotting Algorithms," Proceedings of the Pennsylvania Academy of Sciences, 1972 (with James Cerny).

Maps in: Kaminaljuyu Project, 1969-1970 seasons. Joseph W. Michaels and William T. Sanders (eds.). University Park; PSU, 1973.

"A Method for Calculating Socio-Economic Status for Minor Civil Divisions," Appendix I in Population Change and Redistribution in Nonmetropolitan Pennsylvania, 1940-1970.

Wilbur Zelinsky, et al. A report submitted to the Center for Population Research, National Institute of Child Health and

Human Development, NIH, HEW. Published under contract NIH-NICHHD-72-2743. 1974.

Maps and charts in: A Comparative Atlas of America's Great Cities. Ronald Abler (ed.). Washington, D.C.: AAG, 1976.

Two maps and accompanying text: (a) Italian Roman Catholic Parishes: 1930; (b) Polish Catholic Parishes: 1930, in This Remarkable Continent: An Atlas of North American Society and Culture. Texas A&M University Press, December, 1982, p. 176.

"Italian Immigrant Settlements in Rural/Small Town America," Proceedings of the 14th Annual Conference of the American Italian Historical Association. University of Minnesota Press, 1987, pp. 1-10.

"Interactive Thoroughfare Planning for Small Municipalities," Papers, 1987 Annual Conference of the Urban and Regional Information Systems Association, Vol III. Washington, D.C.: URISA, 1987, pp. 30-36.

"Thoroughfare Mapping System Development and Transfer: The Case of San Marcos, Texas," Papers and Proceedings of the Applied Geography Conferences, Vol. 10, 1987.

"Cost-Effective GIS Development Strategies for Local Governments: The Case of Hays County, Texas," Papers, 1989 Annual Conference of the Urban and Regional Information Systems Association, Vol. II. Washington, D.C.: URISA, 1989, pp. 100-107.

"Using Spreadsheets in Population Geography Classes", Journal of Geography, Vol 89, No 3, 1990, pp. 118-122.

"Topology in GIS", GIS Network News, Vol 2, No 3, 1992, pp.1-2.

"Assessment of TIGER/Line Files for Rural Counties: the Case of Hays County, Texas", URISA Journal, Vol 4, No 2, 1992, pp. 32-46.

Hays County Locator Map. San Marcos: Hays County Commissioners. 1992. 85pp.

Maps in A Vegetation Inventory and Habitat Quality Assessment of the Proposed Goliad and Cibolo Reservoir Sites. Austin: Texas Parks and Wildlife Department, 1992.

"Eastex Reservoir Site Vegetation Cover Mapping and Vegetation Cover Change Analysis", in A Vegetation Inventory of the Proposed Eastex Reservoir. Austin: Texas Parks and Wildlife Department, 1993, 16pp.

SMCISD Attendance Zones and Projections. Report for San Marcos CISD. February, 1994. 100pp.

Book reviews in The Professional Geographer, Vol. 39, No. 1, (Feb. 1987), pp. 95-96 and in Polish American Studies, Vol. 39, No. 2, (Fall 1982), pp. 105-109.

Software reviews in the Professional Geographer, Vol. 38, No. 4, (Nov. 1986), pp. 428-429; Vol. 39, No. 2, (May 1987), pp. 232-233, Vol. 40, No. 1, (Feb. 1988), pp. 110-111, Vol. 41, No. 1, (Feb. 1989), pp. , No. 4, (Nov. 1986), pp. ; and in the Journal of Geography, Vol. 86, No.5, (Sept-Oct. 1987), p. 235.

American Viticultural Areas of Texas. At:

<http://spatialdata.utsa.edu/website/avatxtpg/txavas/txavas.htm>

with EES6543: Internet Served G.I.S. class. Spring, 2006

Unpublished Research:

"Demographic Profile of Oneonta City in 1980." Report prepared for the Community Development Office, Oneonta, NY, 1982.

"Distribution of the Over-65 Population in Otsego County, 1980." Report prepared for the Otsego County Planning Department, Cooperstown, NY, 1982.

"Changing Seasonal Home Ownership Patterns in Delaware County: 1970-1980." Report prepared for the Delaware County Planning Board, Delhi, NY, 1982.

"Peopling Industrial America: Formation of Italian and Polish Settlements in the Manufacturing Heartland of the United States, 1880-1930." Ph.D. dissertation, 1979.

"Spreadsheet Macros for Computer Cartography", Unpublished manuscript, 1989.

Use of GIS to analyze voting patterns in local elections, with Ted Brown, 1999-2000.

Map Projections and LASER Altimetry in the production of

surface representations of the planet Mars, with Rodney Organ, 1999-2000.

GPS and Volksmarch Route Visualizations, 2003-2004.

The Application of GIS technology to Surface Representation. The Case of Central Texas. 2003-2004.

Spatial Dimensions of Coastal Pollution using GIS: The Case of California's North Coast. 2005.

A Cartographic Approach to Teaching GIS. 2004-2005.

Papers Presented:

"The Changing Destinations of Italian and Polish Immigrants: 1880-1930." Association of American Geographers. Annual Meeting. Louisville, Kentucky, April 18, 1980.

"Cartography and the Fourth Count," AAAS/NSF Chautauqua Short Course. White Plains, New York, March 9, 1981.

"Italian Immigrant Settlements in Rural/Small Town America," American Italian Historical Association. Annual Conference. St. Paul, Minnesota, October 30, 1981.

"Information Channels and Immigrant Settlement Formation," Association of American Geographers. Annual Meeting. San Antonio, Texas, April 27, 1982.

"Life Tables in Population Geography: The Case of New York State." Association of American Geographers. Annual Meeting. Denver, Colorado, April 25, 1983 (with Robert Scardamalia).

"California Migration Patterns: 1970-1980." Association of Pacific Coast Geographers Annual Meeting. Eureka, California, September 24, 1983.

"C.C.D.s and Migrant Characteristics: The Case of California." Association of American Geographers. Annual Meeting. Washington, D.C., April 24, 1984.

"Microcomputer Approaches to Geographical Information Systems". State of Texas Symposium of Geographic Information Systems and Remote Sensing. Austin, TX, April 7, 1987 (invited paper).

"Interactive Thoroughfare Planning for Small Municipalities".

Urban and Regional Information Systems Association. Annual meeting. Fort Lauderdale, FL, August 3, 1987.

"Teaching Approaches to GIS Using Microcomputers." National Council for Geographic Education. Annual Meeting. Springfield, Missouri, October 20, 1987.

Thoroughfare Mapping System Development and Transfer: The Case of San Marcos, Texas". 10th annual Applied Geography Conference. Knoxville, TN, October 15, 1987 (invited paper).

"Spreadsheet Programming in Cartography." Association of American Geographers. Annual Meeting. Phoenix, Arizona, April 9, 1988.

"Developing and Using a GIS on Microcomputers: The Case of Hays County, Texas." GIS/LIS'88. San Antonio, Texas, December 2, 1988.

"The Hays County Experiment". Texas State Geographic Information Systems Conference. Austin, TX, March 30, 1989 (invited paper).

"Cost-Effective GIS Development Strategies for Local Governments: The Case of Hays County, Texas". Urban and Regional Information Systems Association. Annual meeting. Boston, MA, August 10, 1989.

"A Close Look at TIGER". Southwest Association of American Geographers. Fall meeting. Austin, TX, October 4, 1990 (with Robert Burke).

"An Assessment of TIGER Files". State of Texas GIS Data Exchange Forum. Austin, TX, May 14, 1991 (invited paper).

"Base Mapping with TIGER/Line Files". Texas Arc/Info User Conference. Denton, TX, November 7, 1991 (invited paper). "GIS Applications at SWT". State of Texas 4th Biennial GIS Conference. Austin, TX, April 22, 1993 (invited paper).

"[TIGER:] What Needs to be Updated." Enhancing TIGER Mini-Conference. URISA. San Antonio, TX, February 26-27, 1993.

"Adding a Trees Layer to the SWT GIS database", with Jorge Flores and Brad Smith. SWAAG Meeting, October 1999, San Marcos, TX

"GIS layers for the Federal Fish Hatchery, San Marcos, TX", with Paul Schultze. SWAAG Meeting, October 1999, San Marcos, TX

"The Geography of Volksmarching in the U.S.". SWAAG Meeting, October 1999, San Marcos, TX.

"The Impact of Urbanization and Agriculture on Non-Point Pollution: A Land-Use Analysis". MATE Center Summer Institute, July 2, 2005, Monterey, CA.

"Two New Spatial Datasets for Texas". GIS Day Presentation, UTSA 1604 Campus, November 16, 2006.

"Maps as G.I.S. Reports". ESRI Education User Conference, June 17, 2007, San Diego, CA.

"Physical Environmental Elements of Texas American Viticultural Areas (AVA)". ESRI International User Conference, June 19, 2007, San Diego, CA.

Courses Taught:

Introductory Geography (1971, 1979-1982)
Population Geography (1980, 1982, 1985) (new course introduced at SUNY-Oneonta)
Historical Geography of North America (1981, 1982)
Introductory Cartography (1979-1984)
Advanced Cartography (1980, 1981)
Cultural Geography (1975-1976, 1978, 1982, 1985)
Geo-Information Processing (1983) (new course introduced at HSU)
Geo-Information Systems (1985) (new course introduced at UNL)
GIS & Business Applications (2002)
GPS and GIS Applications (2002-2004)
Computer-Assisted Cartography (1984, 1985) (new course introduced at HSU)
American-Canadian East (1983)
American-Canadian West (1984)
Computer Graphics for the Social Sciences (1984) (new course introduced at HSU)
Regional Geography of North America (1985, 1998)
Maps and Society (1999, 2000)
World Regional Geography (1999, 2000, 2002, 2006)
Raster GIS (2003)
Remote Sensing and G.I.S. (2008)
G.I.S. as Spatial Analysis (2004-2008)
Advanced G.I.S. (2004)
G.P.S. Mapping (2002-2008)
Internet Served G.I.S. (2006-2007)

College Service:

College

Curriculum Committee (1979-1982)
Faculty-in-Residence (Hulbert Hall, 1980-1982)
Elections Committee (1982-1984)
ELA Building Safety Officer (1987-1990)

Department

Geography club advisor (1979-1982)
Editor of guide to computer mapping programs, graphics packages, and computer hardware on the HSU campus (1983-1984)
Geography Department presenter and representative at annual conference for high school counselors, SWT, Sept. 1985
University Academic Computing Committee, 1986.
Geography department "College Day" representative, SWT, Feb., Oct. 1987, Feb. 1989, April 1990.
Developer and manager of geography department computer mapping labs for teaching and digital map production (1985 to 1999).
Internship supervisor for student interns working in the Hays County mapping project (1987 to 1993).
Department Travel committee chair (1994-1995).
Department Travel committee member (1996-2000)
Department Equipment committee member (1994 to 1996).
Department Colloquium committee member (2000).
Department Library committee member (1997-2000)
Graduate Committee member for Master's students (1988-2008)

Community Service and Consulting Activities:

1980 Census post-enumeration local review board member, Oneonta, New York.

Machine readable data consultant, Humboldt County Planning Department, Eureka, California (1983-1984).

Computer mapping consultant, Lancaster County-City Planning Department, Lincoln, Nebraska (1984-1985).

Population projection consultant, Children's World Preschool, Lincoln, NE (1984-1985).

1990 Census statistical area subcommittee member for Hays County, Texas (1985-1986).

Grant proposal reviewer, Capital Area Planning Council (1985-

1986).

Computer mapping consultant, San Marcos, Texas, City Planning Department (1986-1987).

Computer mapping hardware/software consultant, TNRIS, Austin, Texas (1987).

Project director for Hays County digital basemap (1987).

Project director for Hays County Geographical Information System (1987 to 1992).

Project director for Hays County Rural Addressing database (1988 to 1993).

Project director for San Marcos cartographic database conversion (1988 to 1991).

Mapping/GIS software design consultant, Terragraphics, Inc., Austin, Texas (1987 to 1988).

Participant (as GIS consultant) at Texas Council of Governments regional meeting. Amarillo, Texas. August 26, 1988.

GIS consultant for SWTSU Auxiliary Services, Transportation division, 1992 to 1996.

Mapping consultant for SWTSU Office of Special Projects. June 1994. (map for Board of Regents meeting, June)

GIS consultant for Houston Toad habitat study, Bastrop county, TX. U.S. Fish and Wildlife Service, Austin office. 1994.

GIS consultant for Houston Toad habitat study, eleven counties in east-central Texas. U.S. Fish and Wildlife Service, Austin office, 1995.

GIS/Remote Sensing consultant. SWT Physical Plant, for the development of a tree inventory in GIS format. With Jorge Flores. 1999.

GIS mapping consultant, San Marcos Fish Hatchery, U.S. Fish and Wildlife Service, with GG5417 class and Paul Schultze. 2000.

GIS consultant to Randolph AFB to document the state of the base's tree inventory generated in 1996 for its use as a spatial dataset. 2000. With Al Hellman and Kevin Garza.

GPS instructor, Boy Scout Leaders weekend training, Lake Bastrop, TX, September, 2002.

Flood plain mapping consultant to landowner in dispute with FEMA over boundary of 500 year floodplain along the Blanco River, Wimberley, TX. With Al Hellman and Chris Holland. 2003.

GIS/GPS mapping consultant to property owner who needed to recover the corners of his 35 acre land parcel, Wimberley, TX. 2003-2004. With Al Hellman and Chris Holland.

GPS consultant for San Antonio Water District. 2003-2004.

GIS educational consultant for Randolph AFB. 2004

Compiler and distributor of college-level GIS instructional materials to Bexar and Comal county high school counselors, 2004. With Dean Lambert.

GPS Mapper and GIS consultant for San Marcos Greenspace Alliance and City of San Marcos (TX) Parks and Recreation Department. 2006.

GIS Consultant for Advanced Placement High School Students taking Engineering summer courses. UTSA, 1604 Campus. Spring 2008. (module on GIS Analysis)

GIS database development consultant for Hays County Appraisal District. Fall, 2008.

**Professional
Activities:**

Host for Spring 1987 Capital Area Computer-Aided Mapping Users Group meeting, SWT, March 18, 1987.

Participant at Second International Symposium on Spatial Data Handling, Seattle, WA, July 6-10, 1986.

Workshop organizer (one of four) AAG National Meeting, Detroit, 1985. Topic: "Micro-computer software for teaching population geography."

Pre-publication reviewer for U.S.Census Bureau Product Primer series, 1982-1984.

Proposal reviewer for NSF, 1984-1985.

Chair of session on Internal Migration at the 1984 AAG meeting, Washington, D.C.

Chair of session on Population Migration at the 1983 APCG meeting, Eureka, CA.

Pre-publication reviewer of graphics in an introductory level text in human geography for West Publishing Co., 1983.

Pre-publication reviewer of text in population geography for Prentice-Hall, 1982.

Participant in "GIS in Education" workshop, Ohio State University, April 29-May 2, 1988.

Pre-publication reviewer of a text in digital cartography for Prentice-Hall, 1989.

Participant. (9th annual ESRI Users Conference. Palm Springs, CA. May 22-26, 1989.

"Applications in GIS at SWT". Poster session presenter with Richard Dixon, Allan Rodgers, Judy Scott, and Chitra Subramaniam. State of Texas 3rd Biennial GIS Conference, Austin, TX. April, 1991.

Pre-publication reviewer of a text in GIS for GIS World Books, 1993.

"GIS Applications at SWT". Poster session presenter with Joseph Bowles and Judy Scott. State of Texas 4th Biennial GIS Conference, Austin, TX. April, 1993.

Participant in 2nd annual GPS/GIS Conference. Seattle, WA. June 21-24, 1993.

Participant in 14th annual ESRI Users Conference. Palm Springs, CA. May 21-25, 1994.

Workshop presenter on GIS at the annual meeting of the National Recreation and Parks Association. San Antonio, Texas, November 2, 1995. (with Judy Scott and Daniel Wagner).

Participant in 16th annual ESRI Users Conference. Palm Springs, CA. May 21-25, 1996.

Participant in 3rd International GIScience conference. Savannah, Georgia. October, 2000.

Book reviewer for McGraw-Hill publisher of John Campbell, Cartography 4th edition for possible 5th edition, August 2003.

Exhibitor at ACCD Technology Day Exhibition, San Antonio College. October, 2002 and April, 2004.

San Antonio College GIS Program Exhibitor at national LULAC convention, Henry Gonzales Convention Center, San Antonio, TX. July 7, 2004.

Participant in ESRI Education User Conference. San Diego, CA. June 17-18, 2007.

Participant in ESRI International User Conference. San Diego, CA. June 18-22, 2007.

Faculty Advisor for winning college student poster in GIS Day competition. NEISD Center. San Antonio, TX. November 21, 2008.

**Professional
Affiliations:**

Association of American Geographers
GIS Specialty Group
Cartography Specialty Group
Population Specialty Group
Urban and Regional Information Society

**Public Presentations
and Invited Lectures:**

"History of Mapmaking." Humboldt State University, February 17, 1983. Sponsored by the Department of Geography, HSU.

Panelist "Careers for Geography Majors Workshop." Humboldt State University, May 11, 1983.

"Italian and Polish Settlements in America's Industrial Heartland." Sponsored by the Department of Geography, HSU, May 13, 1983.

"Computer Mapping and Graphics Packages on the HSU CYBER." Presented at workshop for faculty on Computer-Aided Instruction, May 26, 1984.

"A Data Base Handling Package for Human Geography." Department of Geography, UNL-Omaha, April 5, 1985.

"GPK: A Spatial Data Base Handling System." Department of Geography, UNL, April 11, 1985.

Presentation on geography for San Marcos elementary school class, Spring, 1986.

"Computer Mapping and Geographical Information Systems at SWT," presentation before the Capital Area Computer-Aided Mapping Users Group meeting at SWT, San Marcos, Texas, March 18, 1987.

"Microcomputer Approaches to Geographical Information Systems," invited paper presented at the Symposium on Geographic Information Systems and Remote Sensing, Austin, Texas, April 7, 1987.

"GIS Strategies for Hays County," presentation before the Hays County GIS committee, San Marcos, Texas, April 10, 1987.

"Computers and their Use in Cartography and Population Analysis," presentation for visiting Arab educational leaders, SWT, April 17, 1987.

"Maps and Globes," presentation for 2nd grade class, Crockett Elementary School, San Marcos, Texas, January 12, 1988.

"Cartography and Surveying: Their Current Status at SWT," presentation before the Texas Surveyors Association, Austin chapter, Austin, Texas, January 21, 1988.

"The Hays County Mapping Project: A Progress Report," before the Hays County GIS committee, San Marcos, Texas, January 8, 1988.

"The Transition from Mapping to GIS," before the Hays County GIS committee, San Marcos, Texas, April 22, 1988.

"How Computers Make Maps," presentation for 2nd grade class, Crockett Elementary School, San Marcos, Texas, June 2, 1988.

"Computer Mapping of Hays County" to LCRA Economic Industrial Development Board members. November 2, 1988.

"History of the Hays County Mapping Project" to the Association of Graduate Geographers and Planners. SWT, April 7, 1989.

"Hays County Mapping Project". Presentation to San Marcos city officials. SWT. September 15, 1989.

"The Hays County Mapping Project". Presentation for state senator G. Barrientos and representative L. Linebarger. SWT. October 2, 1989.

"How Computers Make Maps". Presenter. San Marcos CISD Science Festival. February, 1990.

"GIS: Applications and Implications" to the UT Community and Regional Planning Graduate Student Organization. UT Austin. April 6, 1990.

"GIS: Politics and Pragmatism in Establishing a County GIS" to the Austin Regional GIS Users Group. Austin, TX. December 7, 1990, with Patsy Greiner.

"Computers in Cartography and Geography" to San Marcos High School students. San Marcos, TX. December 4, 1990.

Radio talk show guest. Don Rains, host. With Patsy Greiner. Topic was: "Mapping in Hays County". KSPL, San Marcos, TX. February 7, 1991.

"TIGER/Line Files: fact and fiction". Presentation to the Houston-Galveston Area Council Regional GIS Users group, Houston, September 30, 1991.

"Computer Maps and Geographical Information Systems". Presenter. San Marcos CISD Science Festival. March, 1992.

"Static Maps". Presentation to Crockett Elementary School first and second graders. San Marcos, TX. October 23, 1992.

"Moving Maps" to Crockett Elementary School first and second graders. San Marcos,, TX. October 26, 1992.

"Global Positioning Systems and Local Government". Presentation to San Marcos High School students on Government day, November 1992.

"Computers and Geography" to several Canyon Lake High School classes. SWT. April, 1993.

"Computers and Mapping". Presenter. San Marcos CISD Science Festival. April, 1994 with Bruce Barr.

"Remote Sensing, Computers, and Geography". Presentation to Canyon Lake High School classes. SWT. May, 1994.

"Report on GIS activities in support of the Texas Solid Waste Landfill Inventory" to Texas Association of Regional Governments. November 7, 1995; Omni Hotel, Austin, Texas (with Robert Larsen and Lisa Kaplan).

On-line review of David E. Davis. *GIS for Everyone* at Amazon.com. 2000.

"Land Development in Kendall County, Texas and Geography", at Land Development Forum 2: GIS and Local Government. Boerne, Texas. September 21, 2006.

"GIS in Texas: A Couple of New Data Products", GIS Day presentation, San Antonio, Texas. November 14, 2006.

"Coordinates". Invited lecture/activity. Gifted and Talented Program. Travis Elementary School. San Marcos, TX. October, 2007.