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EDUCATION

Ph.D. Geology (Structural Geology & Tectonics), University of Tennessee, May 2003.

Dissertation: Tectonic Implications of Para- and Orthogneiss Geochronology and Geochemistry from the Southern Appalachian Crystalline Core. *Advisors:* Robert D. Hatcher, Jr. (University of Tennessee) and Calvin F. Miller (Vanderbilt University).

Course work: Tectonics, Applied Methods in Structural Geology, Sedimentation and Tectonics, Sequence Stratigraphy, Electron Microprobe Geochemical Analysis, Landmark Geophysics, Topics in Remote Sensing, and Scanning Electron Microscopy.

M.S. Geology (Structural Geology & Tectonics), University of Tennessee, December 1999.

Thesis: Structural and Stratigraphic Relationships of Ortho- and Paragneisses Southwest of Marion, North Carolina. *Advisor:* Robert D. Hatcher, Jr.

Course work: Advanced Structural Geology, Structure of the Southern and Central Appalachians, Petrogenesis of Crystalline Rocks, X-ray Fluorescence Analysis, Hydrogeology, Geographic Information Systems, and Global Positioning Systems.

B.S. Geology (Engineering and Hydrogeology emphasis), University of California–Santa Barbara, August 1995.

Course work: Advanced Field Methods, Crystallography, Mineralogy, Geomorphology, Igneous Petrology, Sedimentary Petrology, Structural Geology, Geophysics, Geochemistry, Environmental Geology, Summer Field.

B.A. Environmental Studies (Natural Sciences emphasis), University of California–Santa Barbara, August 1995.

Course work: Groundwater Hydrology, Environmental Chemistry, Water Pollution, Waste Management, Coastal Processes and Management, Environmental Argument, Energy and the Environment, Solar Energy, and Geographic Data Analysis.

EMPLOYMENT

Education and Research

- **Vanderbilt University** (09/04–present) Senior Lecturer. Instruct introductory geology course (100+ students), coordinate and redesign introductory labs, instruct upper level undergraduate and graduate courses (Structural Geology, Appalachian Tectonics), serve as undergraduate Research Advisor (A. Bromley and T. Richardson), serve as Master's Thesis Reader (P. Berquist & C. Fisher), and develop field trips.
- **University of Tennessee–Knoxville** (12/99–12/02) Graduate Research Assistant under direction of Prof. Robert D. Hatcher, Jr.
- **University of Tennessee–Knoxville** (8/96–12/99) Graduate Teaching Assistant. Duties included co-teaching upper division environmental geology lecture and lab, instruction of undergraduate environmental and historical geology labs, off-campus speaking, and grading.
- **Visalia Unified School District, CA** (12/95–7/96) Substitute Teacher. Duties included teaching K-12 classes and coaching freshman/8th grade basketball teams.

Petroleum, Environmental, & Consulting

- **North Carolina Geological Survey** (6/06) Consultant. Provided heavy mineral separation, zircon imaging, and zircon geochronology for eastern Blue Ridge samples.
- **ExxonMobil Exploration Company, TX** (01/03–09/04) Senior Geologist.
 - Zafiro Field Production* (01/03–09/03) 3D seismic interpretation and assessment of hydrocarbon-bearing deep-water siliciclastic channels and syn-depositional faults.
 - Angola-Congo Regional Exploration Group* (09/03–05/04) 2D/3D seismic interpretation, hydrocarbon system assessment, and balancing of Angola-Congo onshore to offshore regional cross sections.
 - Formation Evaluation Group* (06/04–09/04) Generation and interpretation of West African and Canadian well logs.
- **Shaw Environmental & Infrastructure** (member of the *Shaw Group*), TN (5/01–12/01) Assistant Engineer/Scientist. Duties included GIS implementation and management, graphics production for public meetings and client presentations, and electronic document production (PDF).
- **GCO Minerals** (subsidiary of *International Paper Co.*), TX (4/00) Consultant. Duties included sampling and assessing potential economic deposits on forest tracts in North Carolina.

COURSES TAUGHT & COORDINATED

- **Vanderbilt University**, Department of Earth & Environmental Sciences (EES)
 - EES 101 "The Dynamic Earth: Introduction to Geological Sciences"* (3 credit hours, ~125 students; 10-12 Summer terms) Spring 05, Summer 05, Fall 05, Spring 06, Summer 06, Spring 07, Fall 07.
 - EES 111 Lab Coordinator "Dynamic Earth Laboratory"* (1 credit hour; responsible for course content, TA preparation, materials, etc.) Fall & Spring semesters, Fall 2004 - current.
 - EES 113 Lab Coordinator "Oceanography Laboratory"* (1 credit hour; responsible for course content, TA preparation, materials, etc.) Fall semesters, Fall 2006 - current.
 - EES 110 "Geology of National Parks"* (3 credits, ~5 students anticipated in Maymester field course) Summer 08.
 - EES 240 "Structural Geology and Rock Mechanics"* (4 credit hours, 5-10 students) Spring 06, 07, 08.
 - EES 289 "Directed Study: Zircon Separation and Geochronology "* Fall 06 (1 credit hour, 2 students).
 - EES 291 "Independent Study: Southern Appalachian Tectonics"* Spring 05 (1 credit hour, 1 graduate student), Fall 05 (1 credit hour, 1 graduate student).
- **Vanderbilt Visions** "Extended Orientation Program for Freshmen" Instructor (~20 students) 06-07; 07-08.
- **University of Tennessee**, Department of Earth & Planetary Sciences
 - Geol 102 Lab "Earth, Life, & Time"* (~20 students/lab; 2 labs total) Fall 1999.
 - Geol 103 Lab "The Earth's Environment"* (~20 students; 7 labs total) Fall 1996, Spring 1997, Fall 1997.
 - Geol 455 T.A./Co-Instructor "Basic Environmental Geology"* (18 students) Spring 1999.

GRANTS & AWARDS

- 2005 Vanderbilt University Venture Grant Fund for creativity in curricular & pedagogical approaches (\$2500 award)
- 2002 University of Tennessee citation for extraordinary professional promise awarded at the Provost's Honors Banquet.
- 2001 GSA Structure & Tectonics division award for fieldtrip expenses.
- 2001 C.H. Gordon Award for exceptional professional promise from the UT Department of Geological Sciences.
- 2000, 2001, 2002 Southeast GSA Travel Grants for GSA Meetings.
- 1999-2002 NSF Grant Research Assistant. "Evolution of the Southern Appalachians: Contributions from Ion Microprobe Dating of Zircon, Blue Ridge and Inner Piedmont, TN-NC-SC-GA" (EAR-9814800). Principal Investigators: R.D. Hatcher, Jr. (UT) and C.F. Miller (Vanderbilt University).
- 1998 George D. Swingle Memorial Award in recognition of excellence and the potential for an outstanding professional career from the Department of Geological Sciences at UT.
- 1998 & 1997 Field work grant, from the EDMAP component of the USGS National Cooperative Mapping Program (Principal Investigator: R.D. Hatcher, Jr.).
- 1994 & 1995 Recognition for excellence in undergraduate coursework by UCSB Geological Sciences Department.

ACTIVITIES & AFFILIATIONS

- 2008 Discussion Panelist for Vanderbilt screening of *Kilowatt Ours*
- 2006-present Reviewer-Journal of Structural Geology, National Science Foundation
- 2006-2008 Vanderbilt University Pre-Major Advisor
- 2005-2007 Faculty advisor to Vanderbilt University Earth Science club
- 2005 Guest Speaker for Vanderbilt University WilSkills Outdoor course
- 2002 Co-Editor, Co-Leader, and layout creation for the Carolina Geological Society fieldtrip
- 2000-2001 Secretary of the UT-Knoxville AAPG Student Chapter
- 2000 Earth Science Day Trip Leader for 8th grade students
- 1999-2000 Vice-President of the UT-Knoxville AAPG Student Chapter
- 1999, 2001 Oak Ridge Institute for Continued Learning (ORICL) field trip assistant
- 1998 Co-Leader of EDMAP Site Visit and Field Review Fieldtrip
- Geological Society of America (GSA) professional member
- GSA Structural Geology & Tectonics Division member
- American Association of Petroleum Geologists (AAPG) associate member
- Sigma Gamma Epsilon (SGE) earth science honors society member

LICENSES, TRAINING, & SKILLS

Tennessee Professional Geologist (TN5062)

**Application for North Carolina Professional Geologist submitted (pending ASBOG testing)*

Geologic

- Geochronology (SHRIMP-RG and LA-ICPMS)
- Electron and ion microprobe analysis/imaging
- Geochemical analysis (TIMS, XRF, ICP, INAA)
- Physical & Chemical Lab Safety Training (05-07)
- Geologic mapping
- Structural analysis
- Cross section construction/balancing

Computer

- Operating systems: Windows, Macintosh, and UNIX.
- GPS & Geographic Information System software: ESRI (ArcGIS, ArcView, and ARC/INFO).
- Graphics software: Adobe & Macromedia software suites.
- Webpage and extensive document layout work (primarily Adobe PageMaker and InDesign).

Education

- **Strategies for Successful Recruitment of Geoscience Majors: Conceptual Framework and Practical Suggestions** (Oct 2007) Identification and discussion of successful recruitment strategies for geosciences programs (GSA Short Course cosponsored by GSA Geoscience Education Div and NAGT).
- **Leading Effective Review Sessions: Encouraging Learning for the Test and Beyond** (Jan 2007) Panelist for graduate, professional, and post-doctoral student discussion session on review session planning and implementation (Vanderbilt Center for Teaching).
- **Teaching with Technology Working Group** (Spring 2006) Explored ways in which technology can be used to improve teaching practice and student learning including classroom response systems, course management systems, podcasting, presentation & discipline-specific software (Vanderbilt Center for Teaching).
- **Inquiry-Based Labs** (February 2006) Development and implementation of “hands-on” laboratory exercises that allow students to develop hypotheses, design and conduct experiments, collect and interpret data, and write about their results (Vanderbilt Center for Teaching).

Petroleum, Geophysics, and GIS

- 2D/3D seismic interpretation
- Stratigraphy of deep-water channel complexes
- **Formation Evaluation** (07/03, 5 days) Emphasized rock and fluid properties, qualitative log interpretation, reservoir identification, porosity estimation, and fluid saturation (ExxonMobil).
- **Fundamentals of Sequence Stratigraphy** (09/03, 10 days) Field school in Colorado, Utah, and California focused on evaluating fluvial and deep-water siliciclastic outcrops within a sequence stratigraphy framework (ExxonMobil).
- **ArcView** (09/03, 2 days) Introduction and overview of ArcView applications for the petroleum industry (ExxonMobil).
- **Basic Drilling, Completions, and Workover Operations** (08/03, 3 days) Technical overview of drilling operations, completion practices, and post-completion workover techniques (OGCI Petroskills).
- **Applied Subsurface Geological Mapping** (04/03, 5 days) Contouring and quick-look techniques, seismic interpretation, and assessment (Subsurface Consultants, Inc.).
- **Geoframe IES/X and GeoViz** (03/03, 5 days) Overview of software package, (Schlumberger).
- **Applied Seismic Interpretation School** (02/03, 15 days) Seismic interpretation, stratigraphy, and structural analysis of hydrocarbon systems (ExxonMobil).
- **Sequence Stratigraphy** (11/01, 2 days) “Sequence Stratigraphy for Graduate Students” (British Petroleum and ExxonMobil Exploration Company).
- **Geosec** (08/96, 3 days) & **Landmark** (06/01, 3 days) 2D/3D petroleum software overview (UT-Knoxville).

PUBLICATIONS (refereed)

- Bream, B.R., Hatcher, R.D., Jr., Miller, C.F., and Fullagar, P.D., 2004, Detrital zircon ages from the crystalline core of the southern Appalachians, NC-SC-GA-TN: New constraints on the rifting of Rodinia, in Tollo, R.P., Corriveau, L., McLelland, J., and Bartholomew, M.J., eds., Proterozoic tectonic evolution of the Grenville orogen in North America: Boulder, Colorado, Geological Society of America Memoir no. 197, p. 459-475.**
- Callahan, J.E., **Bream, B.R., Johnson, N.E., and Stepp, J.D., 2007, Geochemistry of megacrystic zircons with distinctive fluorescent zircon populations from the Freeman Mine, North Carolina, Southeastern Geology, v. 45, p. 1-13.**
- Carrigan, C.W., Miller, C.F., Fullagar, P.D., Hatcher, R.D., Jr., **Bream, B.R., and Coath, C.D., 2003, Ion microprobe age and geochemistry of southern Appalachian basement, with implications for Proterozoic and Paleozoic reconstructions, Precambrian Research, v. 120, p. 1-36.**
- Hatcher, R.D., Jr., **Bream, B.R., and Merschat, A.J., 2007, Tectonic map of the southern and central Appalachians: A tale of three orogens and a complete Wilson cycle, in Hatcher, R.D., Jr., Carlson, M.P., McBride, J.H., and Martínez Catalán, J.R., eds., 4-D Framework of Continental Crust: Geological Society of America Memoir 200, p. 595-632.**
- Hatcher, R.D., Jr., **Bream, B.R., Miller, C.F., Eckert, J.O., Carrigan, C.W., and Fullagar, P.D., 2004, Paleozoic structure of southern Appalachian Blue Ridge Grenvillian internal basement massifs, in Tollo, R.P., Corriveau, L., McLelland, J., and Bartholomew, M.J., eds., Proterozoic tectonic evolution of the Grenville orogen in North America: Boulder, Colorado, Geological Society of America Memoir no. 197, p. 525-547.**
- Meschter-McDowell, S.M., Miller, C.F., Fullagar, P.D., **Bream, B.R., and Mapes, R.W., 2002, The Persimmon Creek Gneiss, eastern Blue Ridge, North Carolina-Georgia: Evidence for the missing Taconic arc?: Southeastern Geology, v. 41, no. 2, p. 103-117.**

- Panigrahi, M.K., **Bream**, B.R., Misra, K.C., and Naik, R.K., 2004, Age of granitic activity associated with copper-molybdenum mineralization at Malanjkhand, Central India: *Mineralium Deposita*, v. 39, no. 5-6, p. 670-677.
- Panigrahi, M.K., **Bream**, B.R., Misra, K.C., and Naik, R.K., 2005, Reply to discussion on "Age of granitic activity associated with copper-molybdenum mineralization at Malanjkhand, central India" by Holly Stein, Judith Hannah, Aaron Zimmerman, and Richard Markey: *Mineralium Deposita*, v. 40, no. 6-7, p. 766-768.

-In Preparation-

- Bream**, B.R., Loewy, S.L., Hatcher, R.D., Jr., and Miller, C.F., (will submit to *Geology*), Reinterpreting the provenance of eastern Laurentian Late Proterozoic rift fill: New whole-rock Pb isotopic constraints.
- Mapes, R.W., Miller, C.F., **Bream**, B.R., Fullagar, P.D., and Wooden, J.L., (will submit to *GSA Bulletin*), Mid-Paleozoic plutonism in the southern Appalachians.

GEOLOGIC MAPS

- Bream**, B.R., and Williams, S.T., 1999, Geologic Map of the Glenwood 7 1/2-minute quadrangle, North Carolina: USGS National Geologic Map Database and North Carolina Geological Survey open file.
- Bream**, B.R., Yanagihara, G.M., and Whisnant, J.S., 1999, Geologic Map of the Sugar Hill 7 1/2 minute quadrangle, North Carolina: USGS National Geologic Map Database and North Carolina Geological Survey open file.

INVITED PRESENTATIONS

- 2007 Shell International Exploration & Production, Inc. – Structural Geology Research Group (Houston, TX)
- 2007 Middle Tennessee Gem & Mineral Society – Guest Speaker for July meeting (Murfreesboro, TN)

GUIDEBOOKS

- Bream**, B.R., Hill, J.C., Giorgis, S.D., and Williams, S.T., 1998, EDMAP Site Visit and Field Review (Field Trip Guidebook): Structure and Tectonics Division, University of Tennessee-Knoxville. 18 p.
- Settles, D.J., **Bream**, B.R., and Hatcher, R.D., Jr., 2002, The Sally Free mafic complex and associated mafics of the Dahlonga gold belt: Evidence of Ordovician arc volcanism and intrusion northwest of Dahlonga, Georgia: *Georgia Geological Society Fieldtrip*, p. 17-42.
- 2002 Carolina Geological Society Fieldtrip Guidebook-**
- Inner Piedmont geology in the South Mountains-Blue Ridge Foothills and the southwestern Brushy Mountains, central-western North Carolina.* Guidebook editors R.D. Hatcher, Jr. and B.R. **Bream** (Over 200 people attended 2-day fieldtrip in central-western NC), 18 p.
- Bier, S.E., **Bream**, B.R., and Giorgis, S.D., Inner Piedmont stratigraphy, metamorphism, and deformation in the Marion-South Mountains area, North Carolina, p. 65-99.
- Bream**, B.R., The southern Appalachian Inner Piedmont: New perspectives based on recent detailed geologic mapping, Nd isotopic evidence, and zircon geochronology, p. 45-63.
- Giorgis, S.D., Mapes, R.W., and **Bream**, B.R., The Walker Top Granite: Acadian granitoid or eastern Inner Piedmont basement?, p. 33-43.

CONFERENCE PROCEEDINGS

-2008-

- Bream**, B.R., and Bream, K.D., Creating a meaningful undergraduate oceanography lab experience in Middle Tennessee using student generated data and GIS. (SE GSA Annual Meeting).
- Bream**, B.R., Loewy, S.L., Merschat, A.J., Hatcher, R.D., Jr., and Miller, C.F., Constraints on Blue Ridge and Inner Piedmont paragneiss provenance: Synthesis of detrital zircon and whole-rock Pb isotopic data. (SE GSA Annual Meeting).
- Mapes, R.W., **Bream**, B.R., and Miller, C.F., Mid-Paleozoic magmatism in the eastern Blue Ridge and Inner Piedmont: Constraints from geochemistry and geochronology. (SE GSA Annual Meeting).
- Merschat, A.J., **Bream**, B.R., Hatcher, R.D., Jr., Miller, C.F., and Carrigan, C.W., Delimiting the spatial extent of superposed metamorphic events of the Blue Ridge and Inner Piedmont with SHRIMP U-Pb ages of zircon rims. (SE GSA Annual Meeting).
- Merschat, A.J., **Bream**, B.R., Hatcher, R.D., Jr., Miller, C.F., and Wooden, J.L., Provenance and timing of crust formation in the southern Appalachian crystalline core: Evidence from detrital zircon studies. (SE GSA Annual Meeting).

-2007-

- Bream**, B.R., Loewy, S.L., Hatcher, R.D., Jr., and Miller, C.F., Reinterpreting the provenance of eastern Laurentian Late Proterozoic rift fill: New whole-rock Pb isotopic constraints. (NE GSA Annual Meeting).
- Merschat, A.J., **Bream**, B.R., Hatcher, R.D., Jr., Miller, C.F., and Wooden, J.L., Provenance and timing of crust formation in the southern Appalachian crystalline core: Evidence from detrital zircon studies. (GSA Annual Meeting).

-2006-

- Wilson, C.G., Hatcher, R.D., Jr., and **Bream**, B.R., The nature and origin of Inner Piedmont Taconian and Neocadian magmatism: Synthesis of recent and new geochemical data (SE GSA Annual Meeting).

-2005-

- Bream**, B.R., Mapes, R.W., Hatcher, R.D., Jr., Miller, C.F., and Fullagar, P.D., Laurentian and exotic components of the southern Appalachian Inner Piedmont (SE GSA Annual Meeting).
- Hatcher, R.D., Jr., **Bream**, B.R., Merschat, A.J., Mapes, R.W., and Miller, C.F., Evidence for the (Neo-)Acadian orogeny in the southern Appalachians (SE GSA Annual Meeting).
- Hatcher, R.D., Jr., **Bream**, B.R., Miller, C.F., Mapes, R.W., Fullagar, P.D., and Carrigan, C.W., Value of modern geochronology in understanding southern Appalachian accretionary history (NE GSA Annual Meeting).

-2004-

- Hatcher, R.D., Jr., and **Bream**, B.R., New tectonic map of the southern and central Appalachians (V. 2.0) (17th International Basement Tectonics Conference).
- Hatcher, R.D., Jr., and **Bream**, B.R., New tectonic map of the southern and central Appalachians (V. 3.5) (GSA Annual Meeting).
- Hatcher, R.D., Jr., Whisner, S.C., **Bream**, B.R., and Miller, C.F., Sediments derived from mountain chains do not always land in foredeeps: Southern Appalachian Sevier-Blountian basin dynamics (Joint SE & NE GSA Annual Meeting).
- Merschat, A.J., Hatcher, R.D., Jr., **Bream**, B.R., and Mapes, R.W., Middle to Late Paleozoic accretion of the Carolina Terrane: Evidence from the Brindle Creek thrust sheet, Inner Piedmont, North Carolina (Joint SE & NE GSA Annual Meeting).

-2003-

- Berquist, P.J., Miller, C.F., Fullagar, P.D., Carrigan, C.W., Ownby, S., **Bream**, B.R., Hatcher, R.D., Jr., and Wooden, J., Anomalous ancient crust in the southeastern USA: Implications for the assembly of North America and Rodinia (GSA Annual Meeting).
- Hatcher, R.D., Jr., **Bream**, B.R., and Eckert, J.O., Jr., Southern Blue Ridge terranes and problems with rock units, ages, and timing of events: Read the detailed geologic maps (SE GSA Annual Meeting).

-2002-

- Bream**, B.R., and Hatcher, R.D., Jr., Southern Appalachian terranes amended: Timing of accretion and delimiting provenance from new detrital zircon and Nd isotopic data (GSA Annual Meeting).
- Callahan, J.E., Stepp, J.D., Johnson, N.E., and **Bream**, B.R., Fluorescence and lack thereof in zircons from the Freeman zircon mine, Zirconia District, North Carolina (SE GSA Annual Meeting).
- Hatcher, R.D., Jr., **Bream**, B.R., Fullagar, P.D., Miller, C.F., and Carrigan, C.W., Hints of the mid-continent beyond the Grenville orogen and Gondwanan inheritance in Appalachian terranes (GSA Annual Meeting).
- Hatcher, R.D., Jr., **Bream**, B.R., Miller, C.F., Eckert, J.O., Jr., and Carrigan, C.W., Structure of southern Appalachian Blue Ridge internal massifs of Grenvillian Basement (SE GSA Annual Meeting).
- Kalbas, J.L., **Bream**, B.R., Hatcher, R.D., Jr., and Maybin, A.H., III, Evidence for mafic Ordovician magmatism and Acadian metamorphism in the Brushy Mountains, western Inner Piedmont, or North Carolina (SE GSA Annual Meeting).
- Mapes, R.W., Maybin, A.H., III, Miller, C.F., Fullagar, P.D., and **Bream**, B.R., Geochronology and geochemistry of mid Paleozoic granitic magmatism, central and eastern Inner Piedmont, NC & SC (SE GSA Annual Meeting).
- Merschat, A.J., Hatcher, R.D., Jr., and **Bream**, B.R., The Brindle Creek thrust: A major fault and terrane boundary in the southern Appalachian Inner Piedmont, North Carolina-South Carolina-Georgia (GSA Annual Meeting).
- Panigrahi, M.K., Misra, K.C., **Bream**, B.R., and Naik, R.K., Genesis of the granitoid affiliated copper-molybdenum mineralization at Malanjkhanda, central India: Facts and problems (11th Quadrennial IAGOD Symposium).

-2001-

- Bream**, B.R., Depositional setting and provenance of siliciclastic units in the southern Appalachian crystalline core (AAPG/SEG Student Expo).
- Bream**, B.R., Hatcher, R.D., Jr., Miller, C.F., Carrigan, C.W., and Fullagar, P.D., Provenance and geochemistry of Late Proterozoic southern Appalachian crystalline core paragneisses, NC-SC-GA-TN (GSA Annual Meeting).
- Bream**, B.R., Hatcher, R.D., Jr., Miller, C.F., and Fullagar, P.D., Geochemistry and provenance of Inner Piedmont paragneisses, NC and SC: Evidence for an internal terrane boundary? (SE GSA Annual Meeting).
- Carrigan, C.W., **Bream**, B.R., Miller, C.F., and Hatcher, R.D., Jr., Ion microprobe analyses of zircon rims from the eastern Blue Ridge and Inner Piedmont, NC-SC-GA: Implications for the timing of Paleozoic metamorphism in the southern Appalachians (SE GSA Annual Meeting).
- Carrigan, C.W., Miller, C.F., Fullagar, P.D., Hatcher, R.D., Jr., **Bream**, B.R., and Coath, C.D., 2001, Age and geochemistry of southern Appalachian basement, NC-SC-GA, with implications for Proterozoic and Paleozoic reconstructions (GSA Annual Meeting).
- Kalbas, J.L., Merschat, A.J., Hatcher, R.D., Jr., and **Bream**, B.R., Detailed geologic mapping of the Brushy Mountains, Inner Piedmont, near Lenoir, North Carolina (GSA Annual Meeting).
- Mapes, R.W., Miller, C.F., Fullagar, P.D., and **Bream**, B.R., Acadian plutonism in the Inner Piedmont and eastern Blue Ridge, North Carolina and northern Georgia (SE GSA Annual Meeting).
- Mapes, R.W., Miller, C.F., Fullagar, P.D., and **Bream**, B.R., Nature and origin of Acadian plutonism, Piedmont Terrane, NC-GA (GSA Annual Meeting).
- Settles, D.J., **Bream**, B.R., and Hatcher, R.D., Jr., The Sally Free mafic complex and associated mafic rocks of the Dahlongega gold belt: Evidence of Ordovician arc volcanism and intrusion northwest of Dahlongega, Georgia (GSA Annual Meeting).
- Settles, D.J., Hatcher, R.D., Jr., and **Bream**, B.R., Tectonostratigraphic relationships that define a fundamental Appalachian terrane boundary within the central Blue Ridge of north Georgia (SE GSA Annual Meeting).
- Thomas, C.W., Miller, C.F., Fullagar, P.D., Meschter-McDowell, S.M., Vinson, S.B., and **Bream**, B.R., Where is the arc? Discontinuities in Taconian arc magmatism in the southern Appalachians (GSA Annual Meeting).
- Thomas, C.W., Miller, C.F., **Bream**, B.R., and Fullagar, P.D., Origins of mafic-ultramafic complexes of the eastern Blue Ridge, southern Appalachians: Geochronologic and geochemical constraints (SE GSA Annual Meeting).

-2000-

- Bier, S.E., **Bream**, B.R., and Hatcher, R.D., Jr., Detailed geologic mapping of the western and central Inner Piedmont, North Carolina (GSA Annual Meeting).
- Bream**, B.R., Hatcher, R.D., Jr., Miller, C.F., and Fullagar, P.D., Paragneiss geochemistry and preliminary ion microprobe geochronology of detrital zircons from the southern Appalachian crystalline core (GSA Annual Meeting).

-1999-

Bream, B.R., Hill, J.C., Giorgis, S.D., Williams, S.T., and Hatcher, R.D., Jr., New digital geologic 7.5' quadrangle maps from part of the western Inner Piedmont of North Carolina (SE GSA Annual Meeting).
Hatcher, R.D., Jr., Bream, B.R., Hill, J.C., Giorgis, S.D., and Williams, S.T., Transect through the Acadian Orogen in the Carolinas and NE Georgia (SE GSA Annual Meeting).

-1998-

Bream, B.R., Hatcher, R.D., Jr., and Hill, J.C., The Henderson Augen Gneiss of the western Inner Piedmont, NC & SC (GSA Annual Meeting).
Bream, B.R., Hill, J.C., and Hatcher, R.D., Jr., Use of detailed digital geologic and derivative maps to resolve the structure and stratigraphy in part of the western Inner Piedmont, North Carolina (SE GSA Annual Meeting).
Hill, J.C., Bream, B.R., and Hatcher, R.D., Jr., Structure and stratigraphy of part of the Inner Piedmont near Marion, North Carolina (SE GSA Annual Meeting).

-1997-

Bream, B.R., Hill, J.C., and Hatcher, R.D., Jr., Value of traditional detailed geologic mapping, augmented by technology to resolve the structure in part of the western Inner Piedmont, North Carolina (GSA Annual Meeting).