

Curriculum Vitae

A. Leroy Odom

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General Information

University address: Earth, Ocean & Atmospheric Sciences
College of Arts and Sciences
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Florida State University
Tallahassee, Florida 32306-4100
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Professional Preparation

1971 Ph.D., University Of North Carolina. Major: Geochemistry.

Odom, A. Leroy. (1971). *A Rb-Sr isotopic study: implications regarding the age, origin and evolution of a portion of the Southern Appalachians, western North Carolina, southwestern Virginia, and northeastern Tennessee*. Unpublished doctoral dissertation, University Of North Carolina.

1968 M.S., University of Kansas. Major: Geology.

1965 B.S., Old Dominion University. Major: Chemistry.

Professional Experience

1988–present Professor, Department of Geology, Florida State University.

2006–2011 FSU Representative to Integrated Ocean Drilling Program, Management International, Inc.

2004–2010 Department Chair, Geological Sciences, Florida State University.

1992 Affiliated Faculty, Chemistry Division, Oak Ridge National Laboratory.

1980–1988 Associate Professor, Department of Geology, Florida State University.

- 1973–1979 Assistant Professor, Department of Geology, Florida State University.
- 1968–1970 Geochemist, Planetology Branch, N.A.S.A., Goddard Space Center,
Greenbelt, MD.

Fellowship(s)

Distinguished Summer Faculty Research Fellow, ASEE, US Naval Research Lab (1990–1991).
Post Doctoral Research Fellow, Department of Geology, Florida State University (1971–1973).

Honors, Awards, and Prizes

Creative Research Award, Committee on Faculty Research, Florida State University (1986).
(\$4,000).

Current Membership in Professional Organizations

American Geophysical Union
Geochemical Society
Geological Society of America

Teaching

Courses Taught

Doctoral Seminar (GLY6982)
Graduate Seminar (GLY5931)
Physical Geology (GLY2010-C)
Dynamic Earth (GLY1000)
Mineralogy and Crystallography (GLY3200-C)
Advanced Topics in Geochemistry (GLY5297)
Optical Mineralogy (GLY3220-C)
Dynamic Earth Laboratory (GLY1000-L)
Field Course (GLY4790)
Current Topics in Earth Science (GLY5020)
Nuclear Geology (GLY5265)
Advanced Topics in Geochemistry (GLY5298)

Doctoral Committee Chair

Ghosh, S., graduate. (2008). [Postdoctoral Fellow, University of Toronto]
Das, R., graduate. (2006).

Doctoral Committee Cochair

Du, X., graduate. (2012).
Khawaja, S. N., graduate. (2012).

Doctoral Committee Member

Das, O., graduate. (2012).
Baghazi, H. M., graduate. (2011).
Pal, P., graduate. (2011).
Zhang, C., graduate. (2011).
Mallick, S., graduate. (2011).
Tibbetts, N. J., graduate. (2010).
Barineau, C. I., graduate. (2009).
Li, X., graduate. (2009).
Biasatti, D. M., graduate. (2009).
Holm-Denoma, C., graduate. (2006).
Ciner, B., doctoral candidate.
Roy, R., doctoral candidate.
Ullah, F., doctoral candidate.
Eller, V. A., doctoral student.

Doctoral Committee University Representative

Trusty, D. A., doctoral candidate.

Master's Committee Chair

Baldwin, J., student.

Master's Committee Member

Pekeroglu, E., graduate. (2012).
Mahjoor, A., graduate. (2011).
Kromhout, E. T., graduate. (2007).
Goddard, J. D., student.

Smith, V. J., student.

Wallace, T. P., student.

Research and Original Creative Work

Geological Field Experience

United States

- Southern Appalachians (MD, VA, NC, TN, GA, AL)
- Green Mountains, Chester and Athens domes (VT)
- Southern Coastal Plane (FL, AL, GA, NC)
- Wet Mountains and Front Range (CO)
- Beartooth Mountains (MT)
- San Bernadino Mountains (CA)
- Ozarks and St. Francois Mountains (MO)
- Southern Rockies (NM)
- Oklahoma Mountains fault
- Rio Grande Rift, MN and CO

Canada

- Meguma terrane, Nova Scotia
- Avalon Peninsula, Newfoundland

Republic of Philippines

- Bataan Arc, Luzon
- Volcanoes of Mindora - Marenduque

India

- Holinaraspur greenstone belt, Karnataka
- Precambian of Rajasthan
- Cuddapah Basin.

Publications

Refereed Journal Articles

Das, R., Salters, V. J. M., & Odom, A. L. (2009). A case for in vivo mass-independent fractionation of mercury isotopes in fish. *Geochemistry, Geophysics, Geosystems*, 10(11), 1-12. doi:10.1029/2009GC002617

Ghosh, S., Xu, Y., Humayun, M., & Odom, L. (2008). Mass-independent fractionation of mercury isotopes in the environment. *Geochemistry, Geophysics, Geosystems*, 9(3), 1-10. doi:10.1029/2007GC001827

McNeil, M. B., & Odom, A. L. (1994). Thermodynamic prediction of microbiologically influenced corrosion by sulfate reducing bacteria, in *Microbiologically Influenced Corrosion. American Society for Testing and Materials, ASTM STP 1232*, 170-179.

Rink, W. J., & Odom, A. L. (1991). Natural alpha recoil particle radiation and ionizing radiation sensitivities in quartz detected with EPR; implications for geochronology. *International*

Journal of Radiation Applications and Instrumentation, Part D, Nuclear Tracks and Radiation Measurements, 18(1-2), 163-173.

- Odom, A. L., & Rink, W. J. (1989). Natural Accumulation of Schottky-Frenkel Defects: Implications for a Quartz Geochronometer. *Geology*, 17(1), 55-58. doi:10.1130/0091-7613(1988)017[0055:NAOSFD>2
- Odom, A. L., & Rink, W. J. (1989). Giant Radiation-Induced Color Halos in Quartz: Solution to a Riddle. *Science*, 246(4926), 107-109. doi:10.1126/science.246.4926.107
- Rink, W. J., & Odom, A. L. (1989). Giant radiation-damage halos in quartz. *Geology*, 17(1), 54.
- Cormier, R. F., Odom, A. L., & Keppie, J. D. (1988). U-Pb and Rb-Sr geochronology of the Wedgeport granitoid pluton, southwestern Nova Scotia. *Canadian Journal of Earth Sciences*, 25(2), 255-261.
- Hatcher, R. D., Jr., Odom, A. L., Engelder, T., Dunn, D. E., Wise, D. U., Geiser, P. A., Schamel, S., & Kish, S. A. (1988). Characterization of Appalachian Faults. *Geology*, 16(2), 178-181.
- Russell, G. S., Odom, A. L., & Russell, C. W. (1987). Uranium-lead and rubidium- strontium isotopic evidence for the age and origin of granitic rocks in the northern Alabama Piedmont. *Drummond, M.S., Green, N.L., eds., Granites of Alabama, Special Publication of the Geological Survey of Alabama, Tuscaloosa, AL, 2, 239-249.*
- Wise, D. U., Dunn, D. E., Engelder, J. T., Geiser, P. A., Hatcher, R. D., Kish, S. D., Odom, A. L., & Schamel, S. (1985). Fault-Related Rocks - Suggestions for Terminology - Reply. *Geology*, 13(3), 218-219. doi:10.1130/0091-7613(1985)13[218b:CAROFB>2.
- Odom, A. L., & Fullagar, P. D. (1984). Rb-Sr whole-rock and inherited zircon ages of the plutonic suite of the Crossnore Complex, southern Appalachians, and their implications regarding the time of opening of the Iapetus Ocean, Special Paper. *Geological Society of America Special Papers*, 194, 255-262.
- Wise, D. U., Dunn, D. E., Engelder, J. E., Geiser, P. A., Hatcher, R. D., Kish, S. A., Odom, A. L., & Schamel, S. (1984). Fault-Related Rocks - Suggestions for Terminology. *Geology*, 12(7), 391-394. doi:10.1130/0091-7613(1984)12[391:FRSFT>2.0.
- Dallmeyer, R. D., Kean, B. F., Odom, A. L., & Jayasinghe, N. R. (1983). Age and contact-metamorphic effects of the Overflow Pond Granite; an undeformed pluton in the Dunnage Zone of the Newfoundland Appalachians. *Canadian Journal of Earth Sciences*, 20(11), 1639-1645.

- Rankin, D. W., Stern, T. W., McLelland, J., Zartmen, R. E., & Odom, A. L. (1983). Correlation Chart for Precambrian Rocks of the Eastern-United-States. *Geological Survey Professional Papers*, 1241, 1-18.
- Carpenter, R. H., Odom, A. L., & Hartley, M. (1982). Geochronological investigation of the Lincolnton metadacite, Georgia and South Carolina. *Geological Society of America Special Papers*, 191, 145-152.
- Sivaraman, T. V., & Odom, A. L. (1982). Zircon geochronology of Berach Granite of Chittorgarh, Rajasthan. *Journal of the Geological Society of India*, 23(11), 575-577.
- Dallmeyer, R. D., Blackwood, R. F., & Odom, A. L. (1981). Age and origin of the Dover Fault; tectonic boundary between the Gander and Avalon zones of the northeastern Newfoundland Appalachians. *Canadian Journal of Earth Sciences (Journal Canadien des Sciences de la Terre)*, 18(9), 1431-1442.
- Dallmeyer, R. D., Odom, A. L., & O'Driscoll, C. F. (1981). Geochronology of the Swift Current Granite and host volcanic rocks of the Love Cove Group, southwestern Avalon Zone, Newfoundland; evidence of a late Proterozoic volcanic-subvolcanic association. *Canadian Journal of Earth Sciences*, 18(4), 699-707.
- Cohen, C. R., Schweickert, R. A., & Odom, A. L. (1981). Age of emplacement of the Schistes Lustrés nappe, Alpine Corsica. *Tectonophysics*, 73(4), 267-283.
- Hatcher, R. D., Jr., & Odom, A. L. (1980). Timing of thrusting in the southern Appalachians, USA; model for orogeny? *Journal of the Geological Society of London*, 137(3), 321-327.
- Fullagar, P. D., Kish, S. A., Odom, A. L., Dallmeyer, R. D., & Bottino, M. L. (1980). Possible excess (super 40) Ar in hornblende and biotite from the Appalachian massive sulfide deposits at Ore Knob, North Carolina, and Ducktown, Tennessee. *Economic Geology and the Bulletin of the Society of Economic Geologists*, 75(2), 329-334.
- de Boer, J., Odom, L. A., Ragland, P. C., Snider, F. G., & Tilford, N. R. (1980). The Bataan orogene: eastward subduction, tectonic rotations, and volcanism in the western Pacific (Philippines). *Tectonophysics*, 67(3), 251-282.
- Odom, A. L., Hatcher, R. D., Jr., Dunn, D. E., Engelder, T. J., Geiser, P. A., Kish, S. A., Schamel, S., & Wise, D. U. (1980). A characterization of faults in the Appalachian foldbelt. *Geological Society of America Bulletin*, 87(3), 361.
- Brown, J. F., Odom, A. L., & Harper, C. T. (1976). Argon isotopic evolution of upper mantle. *Nature (London)*, 259(5539), 104-108.

- Mose, D. G., Ratcliffe, N. M., Odom, A. L., & Hayes, J. (1976). Rb-Sr geochronology and tectonic setting of the Peekskill pluton, southeastern New York. *Geological Society of America Bulletin*, 87(3), 361-365.
- Brown, J. F., Odom, A. L., & Harper, C. T. (1974). Petrogenetic implications of argon isotopic evolution in the upper mantle. *Nature*, 250(5462), 130-133.
- Fullagar, P. D., & Odom, A. L. (1973). Geochronology of Precambrian gneisses in the Blue Ridge province of northwestern North Carolina and adjacent parts of Virginia and Tennessee. *Geological Society of America Bulletin*, 84(9), 3065-3080.
- Odom, A. L., & Fullagar, P. D. (1973). Geochronologic and tectonic relationships between the Inner Piedmont, Brevard Zone, and Blue Ridge belts, North Carolina. *American Journal of Science*, 273-A, 133-149.
- Anderson, J. E., Jr., Bickford, M. E., Odom, A. L., & Berry, A. W. (1969). Some age relations and structural features of the Precambrian volcanic terrane, Saint Francois Mountains, southeastern Missouri. *Geological Society of America Bulletin*, 80(9), 1815-1818.
- Bickford, M. E., & Odom, A. L. (1969). Rb-Sr geochronology of igneous events in the Precambrian of the Saint Francis Mountains, southeastern Missouri, Special Paper. *Geological Society of America*, 27.

Refereed Proceedings

- Das, R., & Odom, A. L. (2008). In Vivo mass-independent fractionation of mercury isotopes in fish. In *Fall Meeting, American Geophysical Union*. Abstract V52B-07.
- Das, R., & Odom, A. L. (2008). Fractionated mercury isotopes in sediments: a quest for process. In *Goldschmidt Conference, Geochimica et Cosmochimica Acta*. 72(12) Supp. 1, A199.
- Ghosh, S., & Odom, A. L. (2008). Mercury isotopic signature of the atmosphere. In *Goldschmidt Conference, Geochimica et Cosmochimica Acta*. 72(12), Supp. 1, A307.
- Das, R., & Odom, A. L. (2007). Fractionated Mercury Isotopes in Fish and Atmosphere: The Effects of Nuclear Mass, Spin and Volume. In *EOS Transactions, American Geophysical Union*. 88(52), Fall Meeting Supplement, Abstract V51E-0837.
- Ghosh, S., Xu, Y., Humayun, M., & Odom, A. L. (2007). Mass-independent fractionation of mercury isotopes in the environment. In *EOS Transactions, American Geophysical Union*. 88(52), Fall Meeting Supplement, Abstract V51E-0827.

- Ghosh, S., & Odom, A. L. (2007). A Distinct Magnetic Isotope Effect Measured in Atmospheric Mercury in Epiphytes. In *EOS Transactions, American Geophysical Union*. 88(52), Fall Meeting Supplement, Abstract V51E-0835.
- Ghosh, S., Xu, Y., & Odom, A. L. (2005). Mercury Isotopes as Tracers. In *Air Quality V Conference*. Arlington, VA.
- Brosky, R., & Odom, A. L. (2002). U-Pb Staurolite Age of Metamorphism in the Western Blue Ridge, Southern Appalachians. In *Geological Society of America, Annual Meeting, Abstracts with Programs*. Denver, CO.
- Mitchell, S., & Odom, A. L. (2000). Mass fractionation of mercury isotopes. In *Geological Society of America, Abstracts with Programs*. 32(7), p. 347.
- Uddin, A., & Odom, A. L. (2000). Isotopic constraints on provenance of Miocene sediments from the Bengal Basin, Bangladesh. In *Geological Society of America, Abstracts with Programs*. 32(7), p. 311.
- Kish, S., & Odom, A. L. (1999). In search of Precambrian basement in the Piedmont of the Southern Appalachians; all that is granulite is not Grenville. In *Geological Society of America, Abstracts with Programs*. 31(3), p. 26.
- Odom, A. L., Sachi-Kocher, A., & Landing, W. (1998). Isotopic composition of atmospheric lead in rain and Spanish moss. In *Geological Society of America, Abstracts with Programs*. 30(7), pp. 81-82.
- Kish, S. A., Ragland, P. C., Odom, A. L., & Conley, J. F. (1997). Petrology and tectonic setting of the Martinsville igneous complex, Smith River Allochthon, southwestern Virginia Piedmont. In *Geological Society of America, Abstracts with Programs*. 29(6), p. 391.
- Odom, A. L. (1993). Radiation, thermal, and light sensitivities of some EPR centers in quartz. In *Geological Society of America, Abstracts with Programs*. 25(4), pp. 59-60.
- Odom, A. L., & Mose, D. G. (1989). Radon potential risk maps for Florida, Georgia and Alabama. In *Geological Society of America, Abstracts with Programs*. 21(3), p. 53.
- Rink, W. J., & Odom, A. L. (1989). Electron spin resonance (ESR) of the Ge, E', and OHC defects in quartz; implications for ESR age determinations on quartz. In *Geological Society of America, Abstracts with Programs*. 21(3), pp. 55-56.
- Rink, W. J., & Odom, A. L. (1988). Possible evidence for a new electron paramagnetic resonance (EPR) intrinsic defect quartz geochronometer. In *V. M. Goldschmidt Conference, Program and Abstracts*. Baltimore, MD.

- Odom, A. L. (1987). Wanted: a multiple working hypothesis for the Southern Appalachians. In *Geological Society of America, Abstracts with Programs*. 19(2), p. 121.
- Defant, M., Ragland, P., & Odom, A. L. (1985). Petrogenesis of western Philippine island arc magmas; potential origin of the potassium-depth relationship. In *Geological Society of America, Abstracts with Programs*. 17(7), p. 561.
- Allison, D. T., Ragland, P. C., Conley, J. F., & Odom, A. L. (1984). The Martinsville igneous complex of the Smith River Allochthon; an Andean plutonic suite. In *Geological Society of America, Abstracts with Programs*. 16(3), p. 122.
- Keppie, J. D., Odom, A. L., & Cormier, R. F. (1983). Tectonothermal evolution of the Meguma Terrane; radiometric controls. In *Geological Society of America, Abstracts with Programs*. 15(3), p. 136.
- Hatcher, R. D., Jr., Hooper, R. J., & Odom, A. L. (1983). The Pine Mountain Window, Georgia, Alabama; a detached basement massif flanked by the Avalonian suture. In *Geological Society of America, Abstracts with Programs*. 15(2), no. 2, p. 110.
- Defant, M., Odom, A. L., & Ragland, P. C. (1982). Petrogenetic implications based on relationships between Sr isotopes and depth to the Benioff zone in volcanic rocks from western Luzon, The Philippines. In *Geological Society of America, Abstracts with Programs*. 14(7), p. 474.
- Kish, S. A., Odom, A. L., & Fullagar, P. D. (1982). The nature of autochthonous and parautochthonous rocks of the Blue Ridge and Inner Piedmont belts of the Southern Appalachians; geologic and geochronological studies of windows. In *Geological Society of America, Abstracts with Programs*. 14(7), p. 530.
- Odom, A. L., Hatcher, R. D., & Hooper, R. J. (1982). A pre-metamorphic tectonic boundary between contrasting Appalachian basements, southern Georgia Piedmont. In *Geological Society of America, Abstracts with Programs*. 14(7), p. 579.
- Odom, A. L., & Fullagar, P. D. (1982). The time of opening of the Iapetus Ocean; age of the Crossnore plutonic-volcanic group, Southern Appalachians. In *Geological Society of America*. 14(1-2), p. 69.
- Hatcher, R. D., Jr., Hooper, R. J., & Odom, A. L. (1981). Transition from the east end of the Pine Mountain Belt into the Piedmont, central Georgia; preliminary results. In *Geological Society of America, Abstracts with Programs*. 13(1), p. 9.
- Dallmeyer, R. D., Odom, A. L., O'Driscoll, C. F., Hussey, E. M., & O'Brien, S. J. (1980). Chronology of igneous and metamorphic events in the southwestern Avalon Zone of the Newfoundland Appalachians. In *Geological Society of America, Abstracts with Programs*. vol. 12, p. 410.

- Thomas, W. A., Tull, J. F., Bearce, D. N., Russell, G., & Odom, A. L. (1980). Geologic synthesis of the southernmost Appalachians. In D. R. Wones (Ed.), *Alabama and Georgia Proceedings of "The Caledonides in the USA"* (pp. 91-97). Memoir - Virginia Polytechnic Institute, Department of Geological Sciences, no. 2.
- Mueller, P. A., & Odom, A. L. (1979). Evidence for ancient crust in the eastern Beartooth Mountains, Montana. In *Geological Society of America, Abstracts with Programs*. 11(7), p. 484.
- Fullagar, P. D., Kish, S. A., Odom, A. L., Bottino, M. A., & Dallmeyer, R. D. (1979). Apparent excess (super 40) Ar in hornblendes from the Ore Knob, N.C., and Ducktown, Tenn., massive sulfide deposits. In *Geological Society of America, Abstracts with Programs*. 11(4), p. 179.
- Carpenter, R. H., Odom, A. L., & Hartley, M. E. I. (1978). Geochronology of the southern portion of the Slate Belt. In *Geological Society of America, Abstracts with Programs*. 10(4), p. 164.
- Odom, A. L. (1977). Natural isotopic exchange of strontium between ground water, harmotome, heulandite, and laumontite; a case study. In *Geological Society of America, Abstracts with Programs*. 9(2), Southeastern section, 26th Annual Meeting, p. 173.
- Rankin, D. W., McLelland, J., Zartman, R. E., Odom, A. L., & Stern, T. W. (1977). Precambrian geology of eastern United States. In *Geological Society of America, Abstracts with Programs*. 9(7), pp. 1136-1137.
- Odom, A. L., & Brown, J. F. (1976). Was Florida a part of North America in the Early Paleozoic? In *Geological Society of America, Abstracts with Programs*. 8(2), pp. 237-238.
- Odom, A. L., Russell, G. S., & Russell, C. (1976). Distribution and age of Precambrian basement in the southern Appalachians. In *Geological Society of America, Abstracts with Programs*. 8(2), p. 238.
- Mueller, P. A., Odom, A. L., & Larsen, L. H. (1976). Archean history of the eastern Beartooth Mountains, Montana. In *Geological Society of America, Abstracts with Programs*. 8(6), p. 1022.
- Odom, A. L., & Russell, G. S. (1975). The time of regional metamorphism of the Inner Piedmont, North Carolina and Smith River Allochthon; inference from whole-rock ages. In *Geological Society of America, Abstracts with Programs*. 7(4), pp. 522-523.
- Russell, G. S., & Odom, A. L. (1975). Can the Blue Ridge Province be extended into Alabama? In *Geological Society of America, Abstracts with Programs*. 7(4), pp. 528-529.

- Mose, D. G., Hayes, J., & Odom, A. L. (1974). Pound Ridge Granite Gneiss and Peekskill Granite: Rb/Sr whole-rock age determinations in the Manhattan Prong. In *Geological Society of America, Abstracts with Programs*. 6(1), pp. 58-59.
- Odom, A. L. (1974). Late Precambrian continental fragmentation and the fossil record. In *Geological Society of America, Abstracts with Programs*. 6(4), p. 384.
- Odom, A. L., Kish, S. A., & Leggo, P. J. (1973). Extension of "Grenville basement" to the southern extremity of the Appalachians; u/Pb ages of zircons. In *Geological Society of America, Abstracts with Programs*. 5(5), p. 425.
- Odom, A. L. (1972). Some aspects of the tectonic evolution of the Carolinas' Appalachians. In *Geological Society of America, Abstracts with Programs*. 4(2), p. 98.
- Odom, A. L., & Fullagar, P. D. (1971). A major discordancy between U-Pb zircon ages and Rb-Sr whole-rock ages of late Precambrian granites in the Blue Ridge Province. In *Geological Society of America, Abstracts with Programs*. 3(7), p. 663.
- Odom, A. L., & Fullagar, P. D. (1971). Rb-Sr whole-rock ages of the Blue Ridge basement complex. In *Geological Society of America, Abstracts with Programs*. 3(5), p. 336.
- Odom, A. L., & Fullagar, P. D. (1970). Isotopic evidence for late Devonian movement along the Brevard zone. In *Geological Society of America, Abstracts with Programs*. 2(7), pp. 638-639.

Nonrefereed Journal Articles

- Odom, A. L., Kish, S. A., & Russell, C. W. (1985). U-Pb and Rb-Sr geochronology of the basement rocks in the Pine Mountain Belt of Southwest Georgia. *Geology of the Southwestern Piedmont of Georgia, Florida State University, Department of Geology*, 12-47.
- Mueller, P. A., Wooden, J. L., Odom, A. L., & Bowes. (1982). Geochemistry of the Archean rocks of the Quad Creek and Hellroaring Plateau areas of the eastern Beartooth Mountains. *State of Montana Bureau of Mines and Geology*, 84, 69-82.

Nonrefereed Reports

- Odom, A. L. (1996). *The feasibility of directly dating quartz* (Project no. 3.101.2). AECB Report, Ottawa, 26 pp.
- Odom, A. L. (1988). *Determination of the feasibility of directly dating quartz by electron spin resonance* (Project no. 3.101.1). Atomic Energy Control Board, Ottawa, 35 pp.

- Begs, M. A., & Odom, A. L. (1985). *Dating of faults in chalk of the Selma Group, westcentral Alabama* (Circ. 125, p. 1-24). Geological Survey of Alabama.
- Odom, A. L., Hatcher, R., Jr., Dunn, D. E., Engelder, T., & Geiser, P. (1980). *A characterization of faults in the Appalachian foldbelt* (Technical Report NUREG/CR-1621). Tallahassee, FL: Florida State University.
- Odom, A. L. (1976). *Development of K-Ar mineral-whole rock isochron, in Final Geologic Report on Brecciated Zones* (App. ID pl-5). Rpt. U.S.N.R.C., Public Document.
- Odom, A. L. (1976). *U-Pb age of zircons, in Final Geologic Report on Brecciated Zones* (App. 1F, p. 1-4). EBASCO report to the U.S.N.R.C.
- Odom, A. L. (1976). *X-Ray identification and K-Ar dating of laumontite; in Final Geologic Report on Brecciated Zones* (App. 1C, p. 1-6). Report to U.S. Nuclear Regulatory Commission, Public Document.
- Odom, A. L. (1975). *Radiometric age determinations, in Shearon Harris Nuclear Power Plant Site, Fault Investigations* (NRC-, p. Fl-11). EBASCO report to U.S.N.R.C., Public Document.

Contracts and Grants

Contracts and Grants Funded

- Odom, A Leroy (PI). (May 2009–Jun 2009). *GLY479 Geological Sciences Field Camp*. Funded by FSU Foundation. (F00220). Total award \$8,933.
- Odom, A. L. (2007–2009). *Atmospheric trace metals in rain of the Pensicola airshed*. Funded by Electrical Power Research Institute. Total award \$150,000.
- Odom, A. L., Salters, V., & Landing, W. (2004–2007). *Mercury isotopes as tracers of sources, cycling and atmospheric deposition*. Funded by U.S. Environmental Protection Agency. Total award \$827,147.
- Odom, A. L., Salters, V., & Landing, W. (2001–2003). *Mercury isotope investigations of pre- and post- industrial atmospheric deposition*. Funded by National Science Foundation. Total award \$84,300.
- Fajer, P., & Odom, A. L. (2000–2003). *Consortium for the acquisition of a W-band electron paramagnetic resonance spectrometer*. Funded by National Science Foundation. Total award \$776,874.

- Odom, A. L., Zindler, Furbish, Lundberg, N., Wise, & Tull, J. (1995–1997). *Renovation of the Geology Department's Research Facility*. Funded by National Science Foundation. Total award \$610,000.
- Odom, A. L. (1994–1995). *Feasibility of dating quarts by electron paramagnetic centers*. Funded by Atomic Energy Control Board of Canada. Total award \$40,000.
- Zindler, A., Odom, A. L., & Salters, V. (1994–1996). *Acquisition of a high abundance sensitivity mass spectrometer*. Funded by National Science Foundation. Total award \$244,265.
- Odom, A. L. (1992–1992). *Dosimetric Properties of Quartz*. Funded by U.S. Department of Energy. Total award \$10,000.
- Odom, A. L. (1991–1993). *EPR-detected point defects in crystalline SiO₂*. Funded by National Science Foundation. Total award \$84,000.
- Odom, A. L. (1988–1989). *A Study of EPR Centers in Quartz*. Funded by Atomic Energy Control Board of Canada. Total award \$50,000.
- Tull, J. F., & Odom, A. L. (1984–1986). *The Talladega Belt and Eastern Blue Ridge: Part of the Western Margin: Suspect Terrane?* Funded by National Science Foundation. Total award \$115,000.
- Odom, A. L. (1981–1984). *Archean greenstone belt-gneiss terrane, Karnataka District, India*. Funded by National Science Foundation - International Programs. Total award \$35,000.
- Odom, A. L., & Hatcher, R. D. (1980–1982). *Tectonic History of the Pine Mountain Belt, Georgia, and its Relationships to Formation of Crystalline Thrust Sheets*. Funded by National Science Foundation. Total award \$83,000.
- Odom, A. L. (1978–1979). *Faults of the Appalachian Foldbelt*. Funded by U.S. Nuclear Regulatory Commission. (NRC 01-78-004). Total award \$111,110.
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Service

The Profession

Service to Professional Associations

Editorial Board, *Geoscience Frontiers* (2011–present).

Board of Governors, Joint Oceanographics Institutions, Inc (2004–2008).