

## Recipients of the Ninninger Meteorite Award

- 1961-62 Michael E. Lipschutz – University of Chicago “On the Origin of Diamonds in Iron Meteorites”
- Craig M. Merrihue – University of California - Berkeley  
“Meteoritic Xenon and the Origin of the Meteorite”
- Michael Fernandez – Beloit College “Locating Meteorite Falls from Micro-meteorites in Soil Samples”
- 1962-63 Michael Duke – California Institute of Technology  
“Petrology of the Basaltic Achondrite Meteorites”
- James L. Setser – University Kentucky “Determination of the Abundance of Zirconium and Hafnium in Meteorites, Tektites and Terrestrial Materials”
- 1963-64 Marvin W. Rowe – University Arkansas “Gamma Radioactivity and Rare Gases in Meteorites and Terrestrial Materials”
- Ned Read – Carleton College “The Determination of the Orientation of the Cut-Plane through an Iron Meteorite Relative to its Crystal Structure”
- 1964-65 William K. Hartmann – University Arizona “Terrestrial and Lunar Flux of Large Meteorites through the Solar System History”
- Joseph Goldstein - Massachusetts Institute of Technology “The Growth of the Widmanstätten Pattern in Metallic Meteorites”
- 1965-66 John William Larimer – Lehigh University, Pennsylvania “The Petrology of Chondritic Meteorites in the Light of Experimental Studies”

Marvin W. Rowe – University of California - Berkeley  
“Xenomalies”

1966-67 Billy P. Glass – Lamont Geological Observatory  
(Columbia University) “Microtektites and the Origin of  
the Australasian Tektite Strewn Field”

Donald P. Elston – University of Arizona “Accretion of  
the Murray Carbonaceous Chondrite and Implications  
Regarding Chondrule and Chondrite Formation”

1967-68 Jeffrey Taylor – Rice University “On the Thermal  
History of Chondrites”

Benjamin N. Powell – Lamont Geological Observatory  
(Columbia University) “Petrology and Chemistry of  
Mesosiderites”

Patrick Freeman – Monmouth College “Versailles  
Cryptoexplosive Structure”

1968-69 Robert B. Finkelman – George Washington  
University “Analysis and suggested Origin of Magnetic  
Particles Extracted from Manganese Nodules”

Paul A. Mueller – Rice University “A Study of FeII  
Disorder in Chondritic Orthopyroxenes using the  
Mössbauer Effect”

1969-70 Christine A. Jones – Radcliffe College “Tritium  
Measurements in Recently Fallen Meteorites and in  
Apollo 12 Lunar Samples”

Laurel L. Wilkening – University of California - San  
Diego “Particle Track Studies and the Origin of Gas-  
Rich Meteorites”

- 1970-71 Chen-Lin Chou – University of Pittsburgh “Gallium and Germanium in the Metal and Silicate Phases of L- And LL- Chondrites; Implications for the Thermal History of the Chondrites”
- 1971-72 J. Marvin Herdon – Texas A & M University “Magnetic Paleothermometry of Carbonaceous Chondrites and Evidence for a Magnetic Field Prior to Meteorite Formation”
- 1972-73 J. Marvin Herdon – Texas A & M University “The Occurrence, Origin and Significance of Magnetite in Carbonaceous Meteorites”
- William R. Kelly – Arizona State University “The Chemical Composition of Metallic Spheroids and Metallic Particles Within Impactite From Barringer Meteorite Crater, Arizona”
- John L. Remo – Polytechnic Institute of Brooklyn “A New Interpretation of the Mechanical Properties of the Gibeon Meteorite”
- 1973-74 James H. Chen – University of California - Santa Barbara “U-TH-PB Radiometric Investigations of the Allende Carbonaceous Chondrite”
- R. Dee Sherrill – University of Arkansas “An Alternate Approach to the Concept of Carbonaceous Chondrite Fission”
- 1974-75 Kathleen Mark – University of New Mexico “Craters – A Brief History of Their Recognition”
- Paul P. Sipiera – Northeastern Illinois University “Devitrification Studies on Chemical

Compositions Corresponding to Ca- Al-Rich Inclusions  
in the Allende Meteorite”

- 1975-76 Lisa M. Albright – Massachusetts Institute of  
Technology “On the Nature of the Natural Remnant  
Magnetism (NRM) of Iron Meteorites”
- Stanley M. Cisowski – University of Pittsburgh “The  
Effect of Shock on the Remnant Magnetism of Rocks  
from the Lonar Crater, India”
- 1976-77 Harry Y. McSween, Jr – Harvard University “The  
Chemical Composition of Chondrules and Inclusions  
in Carbonaceous Chondrites”
- Edward Stolper – Harvard University “Experimental  
Petrology and the Origin of Eucritic Meteorites”
- 1977-78 Horton E. Newson – University of Arizona “Primitive  
Metal Condensates from the Solar Nebula, a clue from  
the Bencubbin Meteorite”
- Lindy Leung – Wellesley College “In Search of Ancient  
Magnetic Field Traces in H-chondrites”
- 1978-79 Mark J. Cintala – Brown University “Meteoroid Impact  
into Comet Nuclei: Implications for Polymict  
Brecciated Meteorites, Apollo Asteroid Spectra, and  
Comet-Meteorite Orbital Relationships”
- M. Bruce Fegley, Jr – Massachusetts Institute of  
Technology “Chondrite Mineralogy and Equilibrium  
Chemistry of the Alkalis, Halogens, and Phosphorus in  
the Primitive Solar Nebula”
- 1979-80 Alan E. Rubin – University of New Mexico “Derivation  
of a Heterogeneous Poikilitic Lithic Fragment in the

Bovedy L3 Chondrite from Impact-Melted Porphyritic Chondrules”

Steven B. Simon – University of Massachusetts “Petrography, Bulk Chemistry and petrology of Chondrules in the Allende Meteorite”

1980-81 John H. Jones – University of Arizona “The Geochemical Coherence of Pu and ND and the  $^{244}\text{Pu}/^{238}\text{U}$  Ratio of the Early Solar System”

Leanne Wiberg- Texas Christian University “The Hico Structure: A Possible Impact Structure in North-Central Texas”

1981-82 Alan S. Kornacki – Harvard University “Petrography Classification, and the Origin of Fine-to Coarse-Grained Ca, Al-Rich Inclusions in the Allende C3 (V) Chondrite”

Peter T. Wlasuk – Yale University “The Contributions of Hubert A. Newton to Nineteenth-Century Meteoritics”

1982-83 Stephen R. Sutton – Washington University “Thermoluminescence (TL) Dating of Shock-Metamorphosed Rock from Meteor Crater, Arizona: Shock Threshold for TL Resetting and Post-Impact Temperature of the Crater Floor”

1983-84 R. Kyle Guimon – University of Arkansas “Thermoluminescence and Metamorphism in Type 3 Ordinary Chondrules”

1984-85 Bradley D. Keck – University of Arkansas “Thermoluminescence and Metamorphism in the CO

## Chondrites”

- 1985-86 David Lusby – University of New Mexico “Ubiquitous High-FeO Silicates in the Enstatite Chondrites: Implications for the Chondrule Forming Process”
- 1986-87 Joel D. Blum – California Institute of Technology “Are Opaque Assemblages in Ca, Al-Rich Inclusions in Chondritic Meteorites Really “Fremdlinge”?”
- John A. Garges – University of Rochester “Detection and Classification of Meteoritic Material at the Ries Impact Crater by Determination of Osmium Isotopic Accelerator Mass Spectrometry”
- 1987-88 Lindsay P. Keller – Arizona State University “Calcic Micas in the Allende CV3 Chondrite: Implications for the Alteration of Ca- and Al-Rich Inclusions”
- Michael R. Wing – University of California - San Diego “On the Origin of Polycyclic Aromatic Hydrocarbons in Carbonaceous Chondrites: Evidence for Thermal and Aqueous Alteration in the Parent Planet”
- 1988-89 Chad T. Olinger – Washington University “An Extraterrestrial Origin of Polar Sediment Particles: Confirmation by Neon Isotopic Analysis of Individual Samples”
- 1989-90 Timothy James McCoy – University of New Mexico “Metamorphism, Brecciation and Parent Body Structures of LL- Group Chondrites”
- Tian Xie – Purdue University “Meteorites Identification and Pairing Recognition Expert System (MIPRES)”

- 1990-91 Xiaoyue Xiao – Purdue University “Study on Formation Processes of Carbonaceous Chondrites – A Continuous Distribution of Highly Volatile Trace Elements”
- 1991-92 Stephen F. Wolf – Purdue University “Evidence for a H Chondrite Meteoroid Stream”
- 1992-93 Don D. Eisenhour – Arizona State University “Were Chondrules Formed by Light?”
- 1993-94 Edward S. Michlovich- Purdue University “Temporal Variation of H Chondrite Sources”
- 1995-96 Dante Lauretta – Washington University, St. Louis “Experimental Studies of the History Sulfide Minerals from the Solar Nebula to Meteorite Parent Bodies”
- 1997-98 Thomas Burbine – Massachusetts Institute of Technology "Spectroscopy of Vestoids"
- 2002-03 Jon M. Friedrich – Purdue University “Chemical Studies of L Chondrites”
- 2006 Lan-Anh Nguyen – Washington University, St. Louis “Characterization of presolar silicate grains in the Acfer 094 and ALHA77307 carbonaceous chondrites by multi-detection raster ion imaging in the NanoSIMS”
- 2007 Nicolas Ouellette – Arizona State University “Injection of supernova dust into the protoplanetary disk”
- 2008 Mary Sue Bell – University of Houston “Experimental shock decomposition of siderite and the origin of magnetite in Martian meteorite ALH84001”
- Anat Shahar – UCLA “Astrophysics of CAI formation

as revealed by silicon isotope LA-MC- ICPMS of an igneous CAI”

- 2009 Nicholas Moskovitz – University of Hawai’i “The Distribution of Basaltic Asteroids in the Main Belt”
- 2010 Gregory Brennecka – Arizona State University “ $^{238}\text{U}/^{235}\text{U}$  Variations in Meteorites: Extant  $^{247}\text{Cm}$  and Implications for Pb- Pb dating”
- Honorable Mention: Niina Jamsja – Portland State University Unusual Igneous Textures and Pentlandite in a Meteorite of LL- Chondrite Parentage, NWA 4859”
- 2011 Andrew Beck – University of Tennessee “Diogenites as polymict breccias composed of orthopyroxenite and harzburgite”
- Honorable Mention: Eve L. Berger – University of Arizona “Evidence for aqueous activity on comet 81P/Wild 2 from sulfide mineral assemblages in Stardust samples and CI chondrites”
- 2012 David Baker – Brown University “The transition from complex craters to multi-ring basins on the Moon: Quantitative geometric properties from Lunar Reconnaissance Orbiter Laser Altimeter (LOLA) data”
- Honorable Mention: Devin Schrader – University of Arizona “The Formation and Alteration of the Renazzo-like Carbonaceous Chondrites II: Linking O-isotope Composition and Oxidation State of Chondrule Olivine”
- Honorable Mention: Matthew Wielicki – University of



California Los Angeles “Geochemical Signatures and Magmatic Stability of Terrestrial Impact Produced Zircon”

2013 Brandon Johnson – Purdue University “Impact spherules as a record of an ancient heavy bombardment of Earth”

2014 Ingrid Daubar – The University of Arizona “The current martian cratering rate”

Honorable Mention: Emily Pringle – Washington University in St. Louis “Redox state during core formation on asteroid 4-Vesta”

2015 Roger Fu – Massachusetts Institute of Technology “Nebular magnetic fields recorded by the Semarkona meteorite”

Honorable Mention: Adam Sarafian – Woods Hole Oceanographic Institution “Early accretion of water in the inner solar system from a carbonaceous-like source”

2016 François Tissot – University of Chicago “Origin of uranium isotope variations in early solar nebula condensates”