

The Plate Tectonics Revolution at Lamont: 50 Years of Discovery

23 - 24 May 2016 • Monell Auditorium

Lamont-Doherty Earth Observatory of Columbia University

23 May

The Revolution Begins

Seafloor Spreading and Magnetic Reversals

9:00 - 10:30

Steven C. Cande, University of California, San Diego
Neil D. Opdyke, University of Florida
Paul Jeffrey Fox, Texas A&M University

10:30 - 11:00

Break

11:00 - 12:00

Manik Talwani, Rice University
Lynn R. Sykes, Lamont-Doherty Earth Observatory

12:00 - 12:30

Panel Discussion

12:30 - 1:30

Break

Plate Boundary Kinematics and Dynamics

1:30 - 3:00

Bryan L. Isacks, Cornell University
Xavier Le Pichon, Collège de France
Tanya Atwater, University of California, Santa Barbara

3:00 - 3:30

Break

3:30 - 4:30

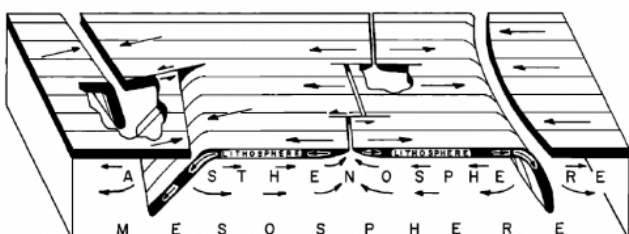
Donald W. Forsyth, Brown University
Sean C. Solomon, Lamont-Doherty Earth Observatory

4:30 - 5:00

Panel Discussion

You are invited to a two-day symposium to celebrate Lamont's role in the plate tectonics revolution and the continuing advances in our understanding of plate tectonics over the past 50 years.

An important goal of the symposium is to give students and early career scientists a taste of the excitement of being in the vanguard of a scientific revolution. The meeting will honor a number of scientists who contributed to the early development and confirmation of the theories that led to plate tectonics. It will include scientific presentations by distinguished scientists who were involved in plate tectonics from the beginning and those who continue to investigate plate tectonics processes today.



Isacks, Oliver, Sykes - 1968

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The Revolution Continues

Mid-Ocean Ridges

9:00 - 10:00

William B. F. Ryan, Lamont-Doherty Earth Observatory
Enrico Bonatti, Lamont-Doherty Earth Observatory
Peter B. Kelemen, Lamont-Doherty Earth Observatory

10:00 - 10:30

Panel Discussion

10:30 - 11:00

Break

Passive Margins and Rifts

11:00 - 12:00

James R. Cochran, Lamont-Doherty Earth Observatory
Anthony B. Watts, Oxford University
Paul E. Olsen, Lamont-Doherty Earth Observatory

12:00 - 12:30

Panel Discussion

12:30 - 1:30

Break

Convergent Margins

1:30 - 2:30

Daniel M. Davis, State University of New York, Stony Brook
Donna J. Shillington, Lamont-Doherty Earth Observatory
Terry A. Plank, Lamont-Doherty Earth Observatory

2:30 - 3:00

Panel Discussion

3:00 - 3:30

Break

Tectonics and Climate

3:30 - 4:30

Maureen E. Raymo, Lamont-Doherty Earth Observatory
Dennis V. Kent, Rutgers University
Peter H. Molnar, University of Colorado, Boulder

4:30 - 5:00

Panel Discussion

Organizing Committee

Chairs

W. Roger Buck
William B. F. Ryan

Members

Suzanne M. Carbotte
Einat Lev
Gregory S. Mountain
Donna J. Shillington
Sean C. Solomon
Lynn R. Sykes