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The American Association for the Advancement of Science incorporated in 1874. Its objects are to further the work of scientists, to facilitate cooperation among them, to foster scientific freedom and responsibility, to improve the effectiveness of science in the promotion of human welfare, and to increase public understanding and appreciation of the importance and promise of the methods of science in human progress.
SYNGAMY II is one of a series of paintings by the Pennsylvania artist Peter Cohen on the first mitosis within the fertilized egg. The mitochondria, which have assumed the round shape seen in the painting, leave a clear space within the cytoplasm for the dance of the chromosomes on the luminous spindle. The paintings of Peter Cohen are currently on exhibit at AAAS in Washington as part of the AAAS Art of Science and Technology Program, which displays work reflecting the interaction of art and science. See the articles on the cell cycle that begin on page 603.


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658 Expression and Characterization of a Functional Myosin Head Fragment in Dictyostelium discoideum: D. J. Manstein, K. M. Ruppel, J. A. Spudich

661 Initiation by Yeast RNA Polymerase II at the Adenoviral Major Late Promoter in Vitro: N. F. Lue, P. M. Flanagan, K. Sugimoto, R. D. Kornberg

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666 Prevention of Allogeneic Bone Marrow Graft Rejection by H-2 Transgene in Donor Mice: C. Ohlén, G. Kling, P. Höglund, M. Hansson, G. Scangos, C. Bieberich, G. Jay, K. Karke

668 Vaccination Against Experimental Allergic Encephalomyelitis with T Cell Receptor Peptides: M. D. Howell, S. T. Winters, T. Ölié, H. C. Powell, D. J. Carlo, S. W. Brostoff


673 A Biochemical Correlate of the Critical Period for Synaptic Modification in the Visual Cortex: S. M. Dudek and M. F. Bear

675 Angiosperm Diversification and Paleolatitudinal Gradients in Cretaceous Floristic Diversity: P. R. Crane and S. Lidgard

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