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  - Kobe Earthquake Continues to Rattle Walls
  - "Sociobiology" to History’s Dustbin?

#### BOOK REVIEWS

- **Creative Couples in the Sciences**, reviewed by R. L. Sime
  - *Genomic Imprinting, C. Sapienza*
  - *Vignettes*
  - *Books Received*

### PRODUCTS & MATERIALS

- **375**
Endocytic compartment (~600 nanometers in diameter) of a human mononuclear phagocyte revealed by electron microscopy of thin cryosections. Major histocompatibility complex (MHC) class II molecules accumulate in these multilaminar compartments, which may be the major sites where endocytosed protein antigens are encountered. CD1b (smaller, black-stained dots), a non-MHC-encoded molecule that presents bacterial lipid antigens to T cells, also localizes to these compartments. See page 349. [Image: P. J. Peters, E. van Donselaar, M. Sugita, and S. A. Porcelli]

**RESEARCH ARTICLE**

Excitation Gap in the Normal State of Underdoped Bi$_2$Sr$_2$CaCu$_2$O$_{8+x}$

**REPORTS**

Role of Lipid Polymorphism in Pulmonary Surfactant

Hydrogen-Bond Breaking and Proton Exchange in Collisions of Gaseous Formic Acid with Liquid Sulfuric Acid
J. K. Klassen and G. M. Nathanson

The Morphogenesis of Bands and Zonal Winds in the Atmospheres on the Giant Outer Planets
J. Y.-K. Cho and L. M. Polvani

A Magnetic Signature at Io: Initial Report from the Galileo Magnetometer

Detection of Ozone on Ganymede
K. S. Noll, R. E. Johnson, A. L. Lane, D. L. Domingue, H. A. Weaver

Self-Assembled Smectic Phases in Rod-Coil Block Copolymers

Complex Optical Surfaces Formed by Replica Molding Against Elastomeric Masters
Y. Xia, E. Kim, X. M. Zhao, J. A. Rogers, M. Prentiss, G. M. Whitesides

Cytoplasmic Tail-Dependent Localization of CD1b Antigen-Presenting Molecules to MHCs

Immunostimulatory DNA Sequences Necessary for Effective Intradermal Gene Immunization

The Secreted Product of Xenopus Gene National Fringe, a Vertebrate Signaling Molecule
J. Y. Wu, L. Wen, W.-J. Zhang, Y. Rao

Resistance to Apoptosis Conferring by Cdk Inhibitors During Myocyte Differentiation
J. Wang and K. Walsh

Interaction Between a Putative Mechanosensory Membrane Channel and a Collagen
J. Liu, B. Schrank, R. H. Waterston

Oxigenic Phototrophic Growth Without Photosystem I
J. W. Lee, C. V. Tevault, T. G. Owens, E. Greenbaum

Role of the Yersinia pestis Hemin Storage (hms) Locus in the Transmission of Plague by Fleas
B. J. Hinnebusch, R. D. Perry, T. G. Schwan

Modification of Phytohormone Response by a Peptide Encoded by ENOD40 of Legumes and a Nonlegume

**On the Web**

http://www.sciencemag.org/
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