

419 This Week in *Science*

Editorial

421 Science and Technology Policy

Letters

422 Malaria Vaccines: M. E. PATARROYO; D. HERRINGTON, S. L. HOFFMAN, M. M. LEVINE, D. GORDON; A. P. WATERS ■ Light Bending: Prediction and Theory: T. P. WILSON; B. BERGMANN; C. MCCAULEY; S. G. BRUSH ■ Water Temperatures: D. R. SMITH; R. POOL

Association Affairs

425 Supply and Demand for Scientists and Engineers: A National Crisis in the Making: R. C. ATKINSON

News & Comment

433 Who Will Do Science in the 1990s? ■ The Lost Generation?

436 Climate Extravaganza Bombs
Bush Hails Science at NAS

437 Mountain Sheep Experts Draw Hunters' Fire

Research News

439 Confusion in Earliest America ■ The Big Picture

442 Karposi's Sarcoma Puzzle Begins to Yield

444 Solar Neutrino-Sunspot Connection Found ■ Family Portrait

445 Who Will Win the El Niño Sweepstakes This Time?

446 *Briefings*: Physicists Balk at Journalist's Award ■ Harvard Takes Math Super Bowl ■ Research Shuffle at NIMH ■ Thinking About Mars ■ Monkeys in Limbo ■ Dulbecco Takes Salk Job ■ Engineer Wins Kudos from NSF ■ Bick Leaves NIH for Italian Foundation ■ Awards for Global Environment Crusaders ■ Spinoffs from AIDS Research

Articles

450 The Underclass: Definition and Measurement: R. B. MINCY, I. V. SAWHILL, D. A. WOLF

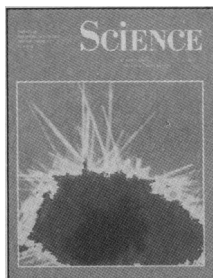
454 Atomistic Mechanisms and Dynamics of Adhesion, Nanoindentation, and Fracture: U. LANDMAN, W. D. LUEDTKE, N. A. BURNHAM, R. J. COLTON

Research Article

462 Ultrahigh Pressure Melting of Lead: A Multidisciplinary Study: B. K. GODWAL, C. MEADE, R. JEANLOZ, A. GARCIA, A. Y. LIU, M. L. COHEN

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COVER Pseudocolor transmission electron micrograph of fibrous, lath-shaped, diagenetic illite (less than 0.1-micrometer-size fraction) from the Repetto Formation, Santa Barbara Channel, California. Analysis of the sizes of illites and other clay minerals indicates that they coarsen by a process known as Ostwald ripening. See page 474. [Photo by Reed Glasmann, Unocal Corporation]

Reports

- 466 Coral-Bryozoan Mutualism: Structural Innovation and Greater Resource Exploitation: F. K. MCKINNEY, T. W. BROADHEAD, M. A. GIBSON
- 468 Twinning in $MgSiO_3$, Perovskite: Y. WANG, F. GUYOT, A. YEGANEH-HAERI, R. C. LIEBERMANN
- 471 GT-1 Binding Site Confers Light Responsive Expression in Transgenic Tobacco: E. LAM AND N.-H. CHUA
- 474 Ostwald Ripening of Clays and Metamorphic Minerals: D. D. EBERL, J. ŚRODOŃ, M. KRALIK, B. E. TAYLOR, Z. E. PETERMAN
- 477 Phosphorus Uptake by Pigeon Pea and Its Role in Cropping Systems of the Indian Subcontinent: N. AE, J. ARIHARA, K. OKADA, T. YOSHIHARA, C. JOHANSEN
- 480 RNA Polymerase II Transcription Blocked by *Escherichia coli* Lac Repressor: U. DEUSCHLE, R. A. HIPKIND, H. BUJARD
- 483 A 49-Kilodalton Phosphoprotein in the *Drosophila* Photoreceptor Is an Arrestin Homolog: T. YAMADA, Y. TAKEUCHI, N. KOMORI, H. KOBAYASHI, Y. SAKAI, Y. HOTTA, H. MATSUMOTO
- 486 A Bacterial Enhancer Functions to Tether a Transcriptional Activator Near a Promoter: A. WEDEL, D. S. WEISS, D. POPHAM, P. DRÖGE, S. KUSTU
- 490 Primary Structure of the γ -Subunit of the DHP-Sensitive Calcium Channel from Skeletal Muscle: S. D. JAY, S. B. ELLIS, A. F. MCCUE, M. E. WILLIAMS, T. S. VEDVICK, M. M. HARPOLD, K. P. CAMPBELL
- 492 Evidence That β -Amyloid Protein in Alzheimer's Disease Is Not Derived by Normal Processing: S. S. SISODIA, E. H. KOO, K. BEYREUTHER, A. UNTERBECK, D. L. PRICE
- 495 Two Gap Genes Mediate Maternal Terminal Pattern Information in *Drosophila*: D. WEIGEL, G. JÜRGENS, M. KLINGLER, H. JÄCKLE

Technical Comments

- 499 Oldest Pinniped: C. A. REPENNING; A. BERTA AND A. R. WYSS

Book Reviews

- 501 As We Forgive Our Debtors, reviewed by R. K. Z. HECK ■ Sickle Cell Disease, J. C. PARKER AND E. P. ORRINGER ■ Ecology and Evolution of Livebearing Fishes (Poeciliidae), F. W. ALLENDORF ■ Some Other Books of Interest ■ Books Received

Products & Materials

- 505 Photodiode Array Spectrometer ■ X-ray Microanalysis System ■ Hybridization Incubator ■ Ultraviolet Cross-Linker ■ RNA Extraction Kit ■ Coverglass Chambers for Cell Culture ■ DNA and RNA Linkers and Transilluminators ■ Literature

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248 (4954)

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