Quartz spear point (6.4 centimeters long, museum catalog number 1273) from the Tapajos River. Excavations in a painted cave at Monte Alegre, Brazil, at the confluence of the Tapajos and Amazon rivers uncovered stone tools, pigment, and food remains from a late Ice Age culture. These early foragers, distinct from the Clovis and Folsom cultures of North America, penetrated the equatorial lowlands of South America. See page 373 and the related News story on page 346. [Photo: R. Fialdini, Museu Paraense Emilio Goeldi, and B. Safra]

REPORTS

Moleularly Adsorbed Oxygen Species on Si(111)-(7x7): STM-Induced Dissociative Attachment Studies
R. Martel, Ph. Avouris, I.-W. Lyo

Spatiotemporal Chaos in Electroconvecton
M. Dennin, G. Ahlers, D. S. Cannell

Continental Crust, Crustal Underplating, and Low-Q Upper Mantle Beneath an Oceanic Island Arc

Rapid Exchange Between Soil Carbon and Atmospheric Carbon Dioxide Driven by Temperature Change
S. E. Trumbore, O. A. Chadwick, R. Amundson

Engineered Interfaces for Adherent Diamond Coatings on Large Thermal-Expansion Coefficient Mismatched Substrates

A Role for Brassinosteroids in Light-Dependent Development of Arabidopsis
J. Li, P. Nagpal, V. Vitart, T. C. McMorris, J. Chory

Switching from Cut-and-Paste to Replicative Tn7 Transposition
E. W. May and N. L. Craig

Independent Modes of Natural Killing in Mice Lacking LAG3
T. Miyazaki, A. Dierich, C. Benoist, D. Mathis

A Mammalian Histone Deacetylase Related to the Yeast Transcriptional Regulator Rpd3
J. Taunt, C. A. Hissig, S. L. Schreiber

Regulation of an Early Developmental Checkpoint in the B Cell Pathway by Igβ
S. Gong and M. C. Nussenzweig

Homocysteine Antagonism of Nitric Oxide–Related Cytostasis in Salmonella typhimurium
M. A. De Groote, T. Testerman, Y. Xu, G. Staufier, F. C. Fang

CNS Gene Encoding Astrotactin, Which Supports Neuronal Migration Along Glial Fibers
C. Zheng, N. Heintz, M. E. Hatten

Circadian Rhythms in Cultured Mammalian Retina
G. Tosini and M. Menaker

Requirement for α-CaMKII in Experience-Dependent Plasticity of the Barrel Cortex
S. Glazewski, C.-M. Chen, A. Silva, K. Fox

TECHNICAL COMMENTS

Does Macroscopic Quantum Coherence Occur in Ferritin?
J. Tejada; A. Garg; S. Gider, D. D. Aswhalom, D. P. DiVincenzo, D. Loss

421

LTP linked to experience-dependent plasticity

Indicates accompanying feature

SCIENCE (ISSN 0036-8075) is published weekly on Friday, except the last week in December, by the American Association for the Advancement of Science, 1200 New York Avenue, NW, Washington, DC 20005. Second-class postage (publication No. 484460) paid at Washington, DC, and additional mailing offices. Copyright © 1996 by the American Association for the Advancement of Science. The title SCIENCE is a registered trademark of the AAAS. Domestic individual membership and subscription (51 issues): $102 ($55 allocated to subscription). Domestic institutional subscription (51 issues): $250. Foreign postage extra: Mexico, Caribbean (surface mail) $55; other countries (air assist delivery) $90. First class, airmail, student, and emeritus rates on request. Canadian rates with GST available upon request, GST #1254 89122. Printed in the U.S.A.

Change of address: allow 4 weeks, giving old and new addresses and 8-digit account number. Postmaster: Send change of address to Science, P.O. Box 1811, Danbury, CT 06813-1811. Single copy sales: $7.00 per issue prepared includes surface postage; bulk rate on request. Authorization to photocopy material for internal or personal use under circumstances not falling within the fair use provisions of the Copyright Act is granted by AAAS to libraries and other users registered with the Copyright Clearance Center (CCC) Transactional Reporting Service, provided that $4.00 per article is paid directly to CCC, 222 Rosewood Drive, Danvers, MA 01923. The identification code for Science is 0036-8075/83$4.00. Science is indexed in the Reader’s Guide to Periodical Literature and in several specialized indexes.
Editor's Summary

This copy is for your personal, non-commercial use only.

Article Tools
Visit the online version of this article to access the personalization and article tools:
http://science.sciencemag.org/content/272/5260

Permissions
Obtain information about reproducing this article:
http://www.sciencemag.org/about/permissions.dtl