NEWS & COMMENT

Space Scientists Get the Jitters
Europeans Agree Not to Go It Alone

AIDS Clinical Trial to Go Ahead

Violence Research: NRC Panel Provides a Blueprint

Reading, Writing, Arithmetic, and Microbes?

Genome Diversity Project: Anthropologists Climb (Gingerly) on Board
A Few of the Chosen

RESEARCH NEWS

Getting It Together at the Synapse

From ‘Hunter Magic,’ a Pharmacoepia?

Making Materials That Are Good to the Last Drop

Crash and Burn: Propagating New Massive Stars

Putting the Pedal to the Metal in a Controlled Chaotic Laser

PERSPECTIVE

Antibodies Without Immunization


ARTICLE

An Optimal Transition Path for Controlling Greenhouse Gases

W. D. Nordhaus

RESEARCH ARTICLE

Functional Transcription Elongation Complexes from Synthetic RNA-DNA Bubble Duplexes

S. S. Daube and P. H. von Hippel

REPORTS

Changes in State of Stress on the Southern San Andreas Fault Resulting from the California Earthquake Sequence of April to June 1992

S. C. Jaume and L. R. Sykes

Change in Failure Stress on the Southern San Andreas Fault System Caused by the 1992 Magnitude = 7.4 Landers Earthquake

R. S. Stein, G. C. P. King, J. Lin

DEPARTMENTS

THIS WEEK IN SCIENCE

EDITORIAL

Jobs, Technology, and Change

LETTERS


RANDOM SAMPLES

MEETINGS

Gordon Research Conferences

BOOK REVIEWS

Medical Journals and Medical Knowledge, reviewed by C. Hannaway • A Skeptical Biochemist, C. A. Russell • Dust in the Galactic Environment, J. S. Mathis • Organic Superconductors (Including Fullerenes), W. A. Little • Vignettes: Publicity • Books Received

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1304
Synapse formation

1350
Auxin-independent growth of plant cells
Onychophorans (velvet worms), such as this undescribed Australian species, are voracious predators in temperate and tropical forests. Although morphological evidence has not resolved their evolutionary relationships, analyses of their 12S ribosomal RNA sequences suggest that onychophorans fall within the phylum Arthropoda (invertebrates with segmented legs) and are closely related to spiders and scorpions. See page 1345. [Photograph: R. W. Taylor]

| 1332 | Accumulation of Suspended Barite at Mesopelagic Depths and Export Production in the Southern Ocean F. Dehairs, W. Baeyens, L. Goeysens |
| 1335 | X-ray Detection of the Period-Four Cycling of the Manganese Cluster in Photosynthetic Water Oxidizing Enzyme T. Ono, T. Noguchi, Y. Inoue, M. Kusunoki, T. Matsushita, H. Oyanagi |
| 1337 | Linear Metal Nanostructures and Size Effects of Supported Metal Catalysts I. Zuburtikudis and H. Saltsburg |
| 1339 | Viscoelastic Dynamics of Confined Polymer Melts H.-W. Hu and S. Granick |
| 1342 | Direct Observation of ClO from Chlorine Nitrate Photolysis T. K. Minton, C. M. Nelson, T. A. Moore, M. Okumura |
| 1348 | Predator-Induced Phenotypical Change in Body Morphology in Crucian Carp C. Brönmark and J. G. Miner |
| 1353 | Map-Based Cloning of a Gene Controlling Omega-3 Fatty Acid Desaturation in Arabidopsis V. Arondel, B. Lemieux, J. Hwang, S. Gibson, H. M. Goodman, C. R. Somerville |
| 1352 & 1328 | Effects of Landers earthquake |
| 1358 | Three-Dimensional Structure of Dimeric Human Recombinant Macrophage Colony-Stimulating Factor J. Pandit, A. Bohm, J. Jancarik, R. Halenbeck, K. Koths, S.-H. Kim |
| 1362 | Consequences of Replication Fork Movement Through Transcription Units in Vivo S. French |
| 1369 | Encoding of a Homolog of the IFN-γ Receptor by Myxoma Virus C. Upton, K. Mossman, G. McFadden |
| 1373 | Regulation of the Differentiation of Teratocarcinoma Cells into Primitive Endoderm by Gα_{12} D. C. Watkins, G. L. Johnson, C. C. Malbon |
| 1378 | Polyamine Depletion and Drug-Induced Chromosomal Damage: New Results P. J. Tofilon, D. F. Deen, L. J. Marton |

**Indicates accompanying feature**

**Separate Supplement**

Guide to Scientific Products, Instruments and Services

Includes expanded abstracts from the Science Innovation '92 meeting