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Photomicrograph of a longitudinal section through an element of the conodont Cordylocus showing features that imply that conodonts have a vertebrate affinity. The light-colored birefringent crown is interpreted as cellular bone and the spherules in dark basal filling as calcified cartilage. *Cordylocus* was extant from the late Cambrian to earliest Ordovician. See page 1308 and the Perspective on page 1285. (Background Photograph of the soft-bodied specimen of the conodont *Clydagnosthes* (Mississippian) discovered in 1982 in Edinburgh, Scotland. [Photomicrograph: I. J. Sansom; photograph: J. K. Ingham]

**RESEARCH ARTICLE**

A Transcriptional Enhancer Whose Function Imposes a Requirement That Proteins Track Along DNA

D. R. Herendeen, G. A. Kassavetis, E. P. Geiduschek

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J. J. Boland and G. N. Parsons

Isotope Effect in Superconducting Fullerences

S. Chakravarty, S. A. Kivelson, M. I. Salkola, S. Tewari

Presence of the Earliest Vertebrate Hard Tissues in Conodonts

I. J. Sansom, M. P. Smith, H. A. Armstrong, M. M. Smith

Natural Versus Anthropogenic Factors Affecting Low-Level Cloud Albedo over the North Atlantic

P. G. Falkowski, Y. Kim, Z. Kolber, C. Wilson, C. Wirick, R. Cess

Functional Specialization of Olfactory Glomeruli in a Moth

B. S. Hansson, H. Ljungberg, E. Hallberg, C. Löfstedt

Association of a 59-Kilodalton Immunophilin with the Glucocorticoid Receptor Complex


High-Efficiency Expression and Solubilization of Functional T Cell Antigen Receptor Heterodimers

I. Engel, T. H. M. Ottenhoff, R. D. Klausner

Prevention of Autoimmune Diabetes in the BB Rat by Intrathymic Islet Transplantation at Birth

A. M. Posselt, C. F. Barker, A. L. Friedman, A. Naji

Conjugative Transfer by the Virulence System of *Agrobacterium tumefaciens*

A. Beijersbergen, A. D. Dulk-Ras, R. A. Schilperoort, P. J. J. Hooykaas

Sparse Population Coding of Faces in the Inferotemporal Cortex

M. P. Young and S. Yamane

Identification of a Prenylation Site in Delta Virus Large Antigen

J. S. Glenn, J. A. Watson, C. M. Havel, J. M. White

Nondissociation of GAL4 and GAL80 in Vivo After Galactose Induction

K. K. Leuther and S. A. Johnston

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