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Pedigrees describe the inheritance of genetic disorders in related individuals. The cover shows a rendition of the pedigree of myotonic dystrophy, a human genetic disease. Between generations, an unstable nucleotide triplet (GCT) is amplified, shown here by increasing symbol size. Individuals who carry larger amplifications are more severely affected, represented by greater intensity of color and more cracks (see page 784). A series of News Reports and Articles focuses on recent advances in the exploration of molecular aspects of disease. See the Editorial and pages 766 to 813. [Illustration: Mike A. De Flora]

Implication of GAP in Ras-Dependent
Transactivation of a Polyoma Enhancer Sequence
F. Schweighoffer, I. Barlat, M.-C. Chevallier-Multon, B. Tocque

Oncogenic Forms of p53 Inhibit
p53-Regulated Gene Expression
S. E. Kern, J. A. Pietenpol, S. Thiangalingam, A. Seymour, K. W. Kindler, B. Vogelstein

Cholecystokinin Antianalgesia: Safety
Cues Abolish Morphine Analgesia
E. P. Wiertelak, S. F. Maier, L. R. Watkins

Changes in the Sensory Processing of
Olfactory Signals Induced by Birth in Sheep
K. M. Kendrick, F. Lévy, E. B. Keverne

Initiation of Deregulated Growth of
Multipotent Progenitor Cells by bcr-abl in Vitro
M. L. Gishizky and O. N. Witte

Primary Structure and Functional
Expression of the β, Subunit of the Rat Brain Sodium Channel

Recovery from Experimental Parkinsonism
in Primates with G_{M_{2}} Ganglioside Treatment
J. S. Schneider, A. Pope, K. Simpson, J. Taggart, M. G. Smith, L. D' Stefano

Laterization of Phonetic and Pitch
Discrimination in Speech Processing
R. J. Zatorre, A. C. Evans, E. Meyer, A. Gjedde

Neocortex Development and the Cell Cycle
D. van der Kooy; S. K. McConnell

Indicates accompanying News story or Perspective

The Role of Crystal Polarity in α-Amino
Acid Crystals for Induced Nucleation of Ice

Metallo-Carbohdroenes: Formation of Multicage Structures

UV Spectrum and Proposed Role of Diethylberyllium in a "Li^+Be Solar Neutrino Experiment
P. Dyer

Synthesis and Single-Crystal X-ray Structure of a Highly Symmetrical C_{60} Derivative, C_{60}Br_{24}
F. N. Tebbe, R. L. Harlow, D. B. Chase, D. L. Thorn, G. C. Campbell, Jr., J. C. Calabrese, N. Herron, R. J. Young, Jr., E. Wasserman

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