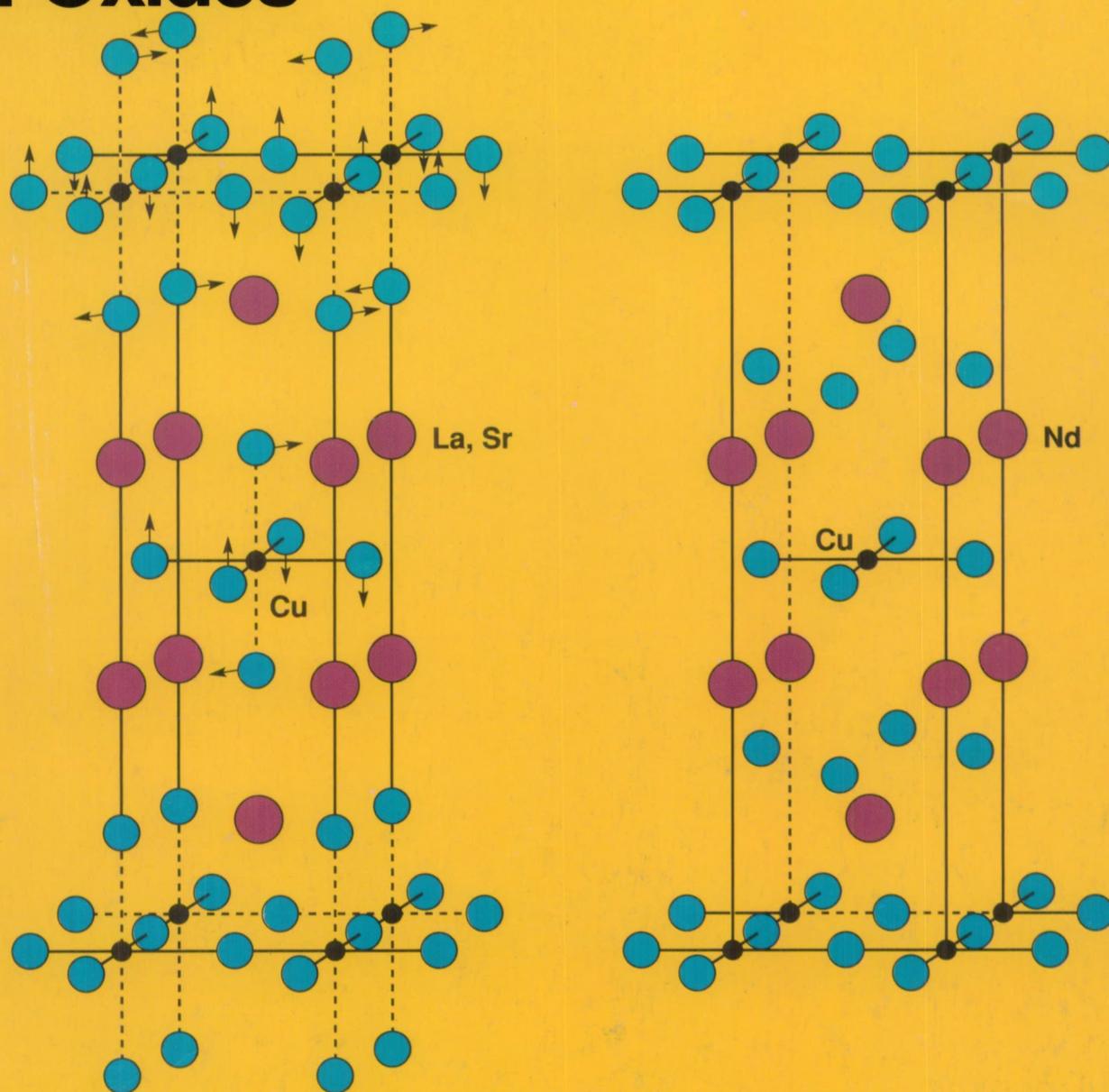


## Molecular Engineering of Oxides



# A NEW CLUSTER IS BORN



## **General Ionex acquired by High Voltage Engineering Europa B.V.**

In December 1987 High Voltage Engineering Europa B.V. (HVEE) acquired Dowlish Developments Ltd (DD), an accelerator tube manufacturer located in the United Kingdom.

On April 10, 1989, HVEE purchased the General Ionex Analytical Product Group from Genus Inc. based in the United States.

Through this acquisition HVEE positions itself as the largest and most diverse manufacturer of particle accelerators for the scientific and industrial research communities.

The acquired General Ionex (GI) product lines, which include the Tandetron accelerator systems and Model 4175 RBS Analyser, will be manufactured in HVEE's new, well-equipped facility in Amersfoort, The Netherlands.

World wide marketing of all products from HVEE, DD and GI will originate from HVEE Amersfoort with sales and service offices in the USA, Europe and Japan.

After addition of the newly acquired products HVEE's product lines include:

- *Ion Accelerator Systems*
  - Air insulated accelerators up to 500 kV
  - Single ended Van de Graaff accelerators up to 4 MV
  - Tandem Tandetron accelerators up to 3 MV/TV
- *Research ion implanters*
  - Beam energies 10 keV-9 MeV and higher
- *Systems for ion beam analysis*
  - Systems for RBS, PIXE, PIGE, NRA, ERD, MACS and MEIS
- *Components*
  - HV power supplies, electron and ion accelerator tubes, ion sources beamline components, beam monitoring equipment, UHV sample manipulators, etc.

For further information on this transaction and product literature please contact HVEE in Amersfoort/NL.



**More  
Energy for Research**

**HIGH VOLTAGE ENGINEERING EUROPA B.V.**

# MRS BULLETIN

May 1990

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Volume XV, Number 5 ISSN: 0883-7694 CODEN: MRSBEA

## SPECIAL FEATURE

- 23** The Molecular Engineering of Oxides  
Von Hippel Address from the 1989 MRS Fall Meeting  
J.B. Goodenough

## FEATURES

- 31** Up Close: Physical Chemistry Cluster of the University of Amsterdam  
J. Elders
- 35** Up Close: Science of Materials at Trinity College, University of Dublin  
J.M. Kelly and J. McGilip

## TECHNICAL FEATURE

- 19** Direct Imaging of Epitaxial Layers by Auger Electrons  
D.G. Frank, T. Golden, F. Lu, and A.T. Hubbard

## INTERNATIONAL

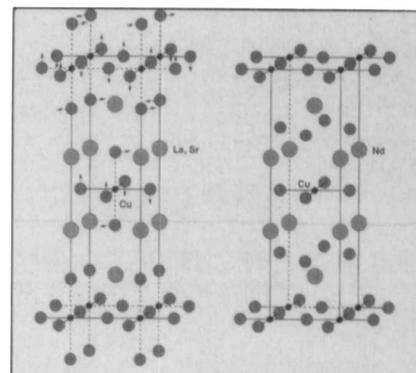
- 50** Aerospace Industry in Major Focus of Composites Research in Japan

## MRS NEWS

- 40** MRS Committees Focus on Expansion, Awareness, Excellence in 1990
- 44** 1990 MRS Fall Meeting Call for Papers

## DEPARTMENTS

- 4** Material Matters
- 8** Research/Researchers
- 15** Research Resources
- 16** From Washington
- 48** Journal of Materials Research
- 52** Historical Note
- 56** Book Reviews
- 59** Calendar
- 63** Classified
- 63** Advertisers in This Issue
- 64** Postterminaries



**ON THE COVER:** A figure from Prof. John B. Goodenough's Von Hippel Address given at the 1989 MRS Fall Meeting in Boston. Prof. Goodenough discussed "four fundamental problems relevant to high  $T_c$  superconductivity in the copper oxides." In speaking about intergrowth structures he used this figure to depict the T/O and T' tetragonal structures of  $\text{La}_2\text{CuO}_4$ . The arrows in the left structure indicate cooperative oxygen-atom displacements in orthorhombic (O) phase  $T < T_c$ . The text of Prof. Goodenough's Von Hippel Address begins on p. 23.

*Editor's Note:* The technical feature on angular distribution Auger microscopy by D.G. Frank et al. references an earlier publication on the same general topic by the same authors, which appeared in the January 12, 1990 issue of *Science* (Vol. 247, p. 182-188). The *Science* article has sparked significant reaction in the form of letters challenging the fundamental physical basis upon which data were interpreted. We expect *Science* to publish both the criticism and a rebuttal from the authors in May. Readers are encouraged to review the data and draw their own conclusions.

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The Materials Research Society (MRS) is a nonprofit scientific association founded in 1973 to promote interdisciplinary goal-oriented basic research on materials of technological importance. Membership in the Society includes more than 9,500 scientists from industrial, government, and university research laboratories in the United States and more than 25 countries.

The Society's interdisciplinary approach to the exchange of technical information is qualitatively different from that provided by single-discipline professional societies because it promotes technical exchange across the various fields of science affecting materials development. MRS sponsors two major international annual meetings encompassing approximately 40 topical symposia, as well as numerous single-topic scientific meetings each year. It recognizes professional and technical excellence, conducts short courses, and fosters technical exchange in various local geographic regions through Section activities and University Chapters.

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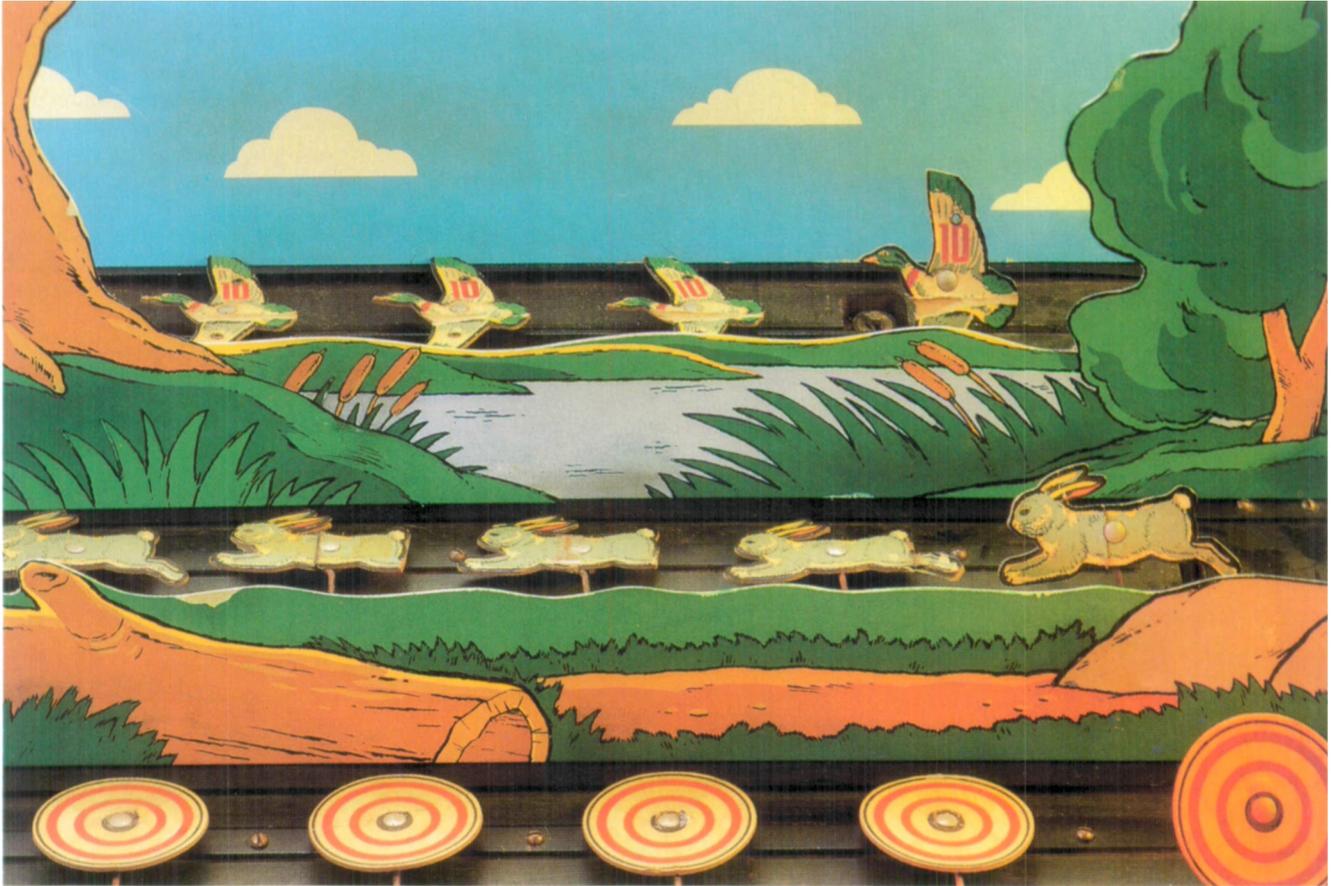
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