Proceedings of the XIIth International Symposium on NQR Spectroscopy

International Committee 1991–1993

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Preface

These Proceedings contain articles based on a selection of talks presented at the XIIth International Symposium on Nuclear Quadrupole Resonance Spectroscopy, which was held at University of Zürich, Switzerland, July 19–23, 1993. The Symposium covered a wide variety of experimental and theoretical techniques for the study of nuclear quadrupole interactions and was attended by about 100 scientists from 19 countries.

The articles show that the “NQR Symposium” has expanded to include all aspects of the interaction of a quadrupolar nucleus with its environment. Thus, the name of the Symposium should not be interpreted too narrowly. Indeed, at the meeting of the International Committee it was decided that the name of future Symposia in this series will be changed to “International Symposium on Nuclear Quadrupole Interactions.”

In a way, this change of name had been anticipated by the Prorektor of the University of Zürich, C. C. Kuenzle, when presenting in his amusing welcoming address (which you will find on the following page) a number of jocular interpretations of the traditional acronym “NQR” such as the “Non-Questioned Relevance” of “Nebulous Quantum Relaxation”.

The papers in the Proceedings are organized in the following sections:

(A) Experimental Methods and Instrumentation
(B) Theory of NQR Methods
(C) Theory of Quadrupole Interaction
(D) Structure and Bonding
(E) Phase Transitions and Dynamics
(F) Solid State Properties
(G) Late Arrivals

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Zürcher Hochschul-Stiftung,
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Swiss National Science Foundation,
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Swiss Bank Corporation.

It is a pleasure to acknowledge the advice and assistance of the Local Committee whose names appear on the previous page and the participants and their guests who made the Symposium so productive scientifically and so pleasant an occasion socially.

We are grateful to the Editor of Zeitschrift fuer Naturforschung, Prof. A. Klemm, for his excellent cooperation and to the Managing Editor, Mrs. T. Littmann, for her efficient and speedy technical handling of the papers and for her patience. The editing of the Proceedings was done by Dettlef Brinkmann and Peter C. Schmidt.

D. Brinkmann R. J. C. Brown P. C. Schmidt
The story of the frustrated NQR physicist

by

CLIVE C. Kuenzle

In a New Quest for Recognition, a NQR physicist decided to do some Novel Quick Research of Non-Questioned Relevance on a Nebulous Quantum Relaxation phenomenon he had recently detected.

When he handed in his Nervy Quivering Report to a Journal called The Netherlands Quarterly Reviews of Nuclear Quadrupole Resonance to address his Nobel Quality Readership he received some Nasty Quibbling Remarks from a Notoriously Querulous Referee.

The referee’s arguments centered on a Non-Quoted Reference (which, of course, was a paper written by the referee himself), and this finally led to the Non-Qualified Rejection of the paper.

Even though some Nagging Questions Remained, the frustrated physicist found consolation in a Nostalgic Quiet Romance with his wife, which made him forget the fabrications of his Nitty Quarrelsome Rival.