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A Word from the Editor

On February 20, 1995, at the 18th Annual Meeting of The Adhesion Society on Hilton Head Island, South Carolina, USA, Professor Jacques Schultz received the *Adhesion Society Award for Excellence in Adhesion Science, Sponsored by 3M*. The Award was given: “For pioneering work in adhesion science relating surface energetics and polymer viscoelasticity to the practical strengths of adhesive bonds”.

It has become a tradition of the Society that the Awardee, in addition to receiving a plaque, an honorarium and an honoring session at the Society’s Annual Meeting, is further honored by a Collection of papers in **THE JOURNAL OF ADHESION** by colleagues and associates, friends, and former students, as appropriate.

We are pleased to continue this tradition with the publication of the Schultz Collection, Part 1 of which is contained in this volume (Volume 57, issues 1–4) and Part 2 of which is to be published in Volume 58, issues 1 and 2. We are particularly pleased to be able to do this, not only because the Award is so well-deserved but because Jacques Schultz, as well as his wife, Catherine, are personal friends of ours (mine, as well as my wife’s) and, as Associate Editor of **THE JOURNAL OF ADHESION** for France, he is also a colleague.

Jacques Schultz’s career spans three decades, beginning as a researcher at CNRS in Mulhouse, France, following receipt of a Ph.D. from the University of Strasbourg, and leading up to his present position as “Founding” Director of a new Institute in Mulhouse. It was during his tenure (1970–71) as a Post Doctoral Fellow at the University of Akron, USA, with Professor Alan Gent, that the seminal work on the subject of the Award was done, and subsequently published — appropriately enough in this Journal, of which he has been an Associate Editor for many years: A.N. Gent, J. Schultz, “Effect of Wetting Liquids on the Strength of Adhesion of Viscoelastic Materials”, *J. Adhesion* 3, 281–296 (1972). This work has been widely accepted and it has been considerably extended over the years, by Professor Schultz and his colleagues as well as by others, to apply to several different systems other than the original lightly-crosslinked rubber/Mylar® system in peeling.



Jacques Schultz

His work has mainly been in the areas of characterization and modification of surfaces, wetting, adhesion and stress-cracking of polymers. Examples of his achievements are:

- General theory of multiplicative factors in the relationship between surface energetics and failure properties of viscoelastic solid assemblies
- The concept of potential surface energy of polymers
- Development of original methods for determination of surface energy of solids by wetting and inverse gas chromatography, including the role of acid-base interactions
- Study of interphases
- Model for interfacial stress transfer in composite materials
- Model for stress-cracking of polymers in a liquid environment
- etc.

In 1971 he became Head of the Adhesion Research Group of CNRS Mulhouse and from 1976 to 1986 Head of the Research Laboratory on the Physical Chemistry of Interfaces (Ecole Nat. Sup. de Chimie de Mulhouse). In 1986 he was promoted to Director of the Centre de Recherches sur la Physico-Chimie des Surfaces Solides (CRPCSS)–CNRS, and in 1996 he became “Founding” Director of the new Institute of Chemistry of Surfaces and Interfaces (ISCI)–CNRS, responsible for the work of about 135 people.

He was appointed Associate Professor at the University of Mulhouse in 1976, a position that he held for five years until he was promoted to full Professor in 1981 — a position he still holds. He has been advisor on more than 50 Ph.D. theses. Many of his former Ph.D. students are internationally-recognized workers in the areas of surfaces and interfaces, wetting, adhesion and related subjects. Many well-known university professors in the fields of surface phenomena and adhesion have spent their sabbaticals working with his group. He is the author or co-author of more than 300 publications and 400 communications and presentations at conferences.

He is a much-in-demand lecturer who has received many awards, including:

- Textile Industries Award (1963)
- Association of the French Rubber and Plastic Engineers Award (1975)
- Silver Medal of CNRS (1985)
- Corrosion Committee Award — Federation of Societies for Coatings Technology (1988)
- Adhesion Society of Japan Award, given at the International Adhesion Society IAS'94 (Japan) Meeting (1994)

Professor Schultz has been of great service to the adhesion community — as the founder of research on adhesion in France (1977), as a founding member of the Adhesion Society of the USA (1977) and as the “Founding” President of the French Adhesion Society (1992), as well as with his many teaching activities, including short courses. He has been President and/or a member of the organizing and scientific committees of more than 50 international meetings, including Euradh '94 in Mulhouse and Adhocom '86 and '88 in Bordeaux. He is associated with four international journals including, as mentioned before, this Journal, of which he is an Associate Editor and he has served on many Expert Committees of various government and university organizations as President or member.

It is clear from the above that the Award was exceedingly well deserved. In addition, the papers that follow make a clear statement about the affection that his friends, colleagues and former students feel for him and the respect with which they regard his work and leadership.

A handwritten signature in cursive script, reading "Louis H. Sharpe". The signature is written in black ink and is positioned above the printed name and title.

Louis H. Sharpe
Editor in Chief