

FIRST EDITION

WHO'S WHO

IN PLASTICS & POLYMERS

**Society of Plastics Engineers
Technomic Publishing Company**

FIRST EDITION

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James P. Harrington

EDITOR-IN-CHIEF



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PREFACE

We have attempted in this publication to provide a capsule of each person's experience in the field of plastics along with the accomplishments and recognition that were received. It was especially encouraging to be able to include the names of over 800 people working in 52 countries outside of North America—these, along with the several hundred born elsewhere but now working in North America, reflect the global contributions to the plastics industry.

Since this was the first attempt of any of the staff in preparing such a volume, many unexpected difficulties were encountered in our journey, but we think that the result was worth the effort. Over 2500 attempts were made via phone call or e-mail to clarify some entries. While my personally contacting over 1200 of those listed in this edition was time-consuming, the interesting vignettes and reminiscences during those conversations made it worthwhile.

When you peruse this volume, you will find many interesting facts. To help you gain full benefit from this publication, please read the following description of a complete entry—recognizing that in many instances we were unable to record all the information which we had originally hoped to obtain because of inadequate communication. Nevertheless, you will find that there are many entries that give some concise information on that person's contributions to the growth of the plastics industry for the past 50 years. These contributions vary from hula hoops to co-extrusion dies and from barrier coatings to automotive parts.

For each entry, we have provided the person's name, job title, company or organization's name, business address and electronic contacts—phone, fax, e-mail and website—along with similar electronic contacts to the home of the individual. (In our contact attempts, we found that over 10% of

these entries had to be corrected due to area code changes, transfers, job changes or down-sizing; in the latter case, we were usually able to track down the person's new location despite the difficulty involved.)

The narrative portion of the entry starts with the place and date of birth, followed by a description of the person's educational experiences and attainments. Next is the description of the person's work experience where we have attempted to provide a chronological listing of the organizations with the years there and the job positions held. For academic appointments, people were asked to list some of their primary research areas. For periods of work at companies, we have tried to list the major operations and products with which the person was involved, along with some particular contributions that the individual made (when part of a team effort, we asked people to note that with a "T").

The next part of each entry is a listing of the number of patents, talks, papers, articles, book chapters and chairing of sessions. That is followed by books that the person had written or edited—along with the publisher and date, when available. With regard to publications, it should be noted that production people rarely have an opportunity to disclose information and that many companies severely restrict external publication of research results—thus we, regrettably, have not been able to reflect the writing skills and/or major contributions reported in the internal company documents that were prepared by some of these individuals. Next, there is a list of the conferences where the person has been the chair or other member of the organizing committee.

The listing of the person's membership in professional societies includes the offices that were held in these organizations and the

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awards that were conferred by these organizations. Other professional awards are then listed, followed by the person's civic activities and any awards given for such work. Finally, we have listed military service along with the person's residence address.

We hope that readers will find this publication both informative and enjoyable. Please send us your comments on what you like

about this format and on ways to improve the next edition.

I wish to acknowledge my appreciation to the many people who were involved in the production of this first edition of *Who's Who in Plastics & Polymers*. Special appreciation is given to the extraordinary efforts by Kimberly Martin, Angie Crouse and Lydia Steinke and the many contributions by my wife, Anne Harrington.

James P. Harrington
Editor-in-Chief

I NTRODUCTION

This first edition of **Who's Who in Plastics & Polymers** is issued at the dawn of a new century to give credit to some of the people who contributed to the remarkable growth of the plastics industry during the last half century, particularly in the last two decades. The Society of Plastics Engineers (SPE) and Technomic Publishing Company have continued their service to the plastics industry by joining together in this venture to fulfill a need to document many of these contributions.

For a historical perspective, the Society of the Plastics Industry (SPI) in 1949 published *Who's Who in Plastics in the United States and Canada 1948-1949*. This book had about 2300 entries for the U.S., about 250 for Canada and about 50 from other countries—India, England, Australia, China, Mexico, Brazil, Sweden, Argentina, Holland, and Denmark. The introduction to that volume started as follows: "Who's Who in Plastics maps for the first time, the trails of early pioneers who breathed life into plastic billiard balls and celluloid collars, and of the newer members who joined the industry within the last ten years." We hope that this new edition will provide a similar recognition for those who made the many large and small contributions to the development of the plastics industry during the last half century—a period when the annual production of plastics in the United States alone has increased from 1 million tons to over 40 million tons. Since the value of plastics exceeded steel in the early 1990s, in terms of materials we can now legitimately call this the Plastics Age rather than the Steel Age.

Many of the listings in the 1949 volume contained only the person's name, position, and company address, and none of them had telephone numbers, home addresses, birthdate, or birthplace—nor did they list the number of patents and papers that they had received. We felt that these items should be

included in this volume and have had good cooperation from most respondents. Another deficiency of the earlier volume was that only about one-third of the people gave an indication of the various jobs that they had held, and even fewer gave any more than a cursory description of what they did. Thus Dr. Gordon Kline's listing read: "Res on plastics at NBS since 1929"—a far too brief mention of the wide-ranging activities of this person's research contributions to plastics. We have thus tried to have people respond with the various jobs they held (including dates they were with each company, along with information on what products or process with which they were involved), research topics (especially while in grad school or as a professor), and awards. We decided that it would also be appropriate to include some community activities to show that many "plastics people" also contribute to society outside of their work.

In this manner, we have tried to record the numerous accomplishments of the many—scientists and engineers, marketers and researchers, foremen and mold-makers, and entrepreneurs and executives—who are now active in plastics and polymers, as well as those retirees (frequently continuing as consultants) who were active earlier in this half century. These people contributed to the advances in our civilization made possible by plastics; including television and videotape, electronics and computers, more energy-efficient and cost-effective automobiles, improved construction materials, many medical advances, and more effective packaging.

The 1949 volume provided some measure of the contributions of the early plastic pioneers in the first half of this century. Now the Society of Plastics Engineers and Technomic Publishing Company have provided in this volume a similar record for the last half of the same century when the "settlers" developed the industry that the "pioneers"

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had staked out. We recognize that there are many more people who should have been listed in this volume and promise to make amends by doing a better job of gathering information for any future edition. But this volume should give historians and others interested in the plastics industry much

valuable insight about the people who made possible some remarkable developments. Further information on the contributions to the advancement of plastics by the two sponsoring organizations is included on the immediately following pages.

ABOUT SOCIETY OF PLASTICS ENGINEERS

Founded in Detroit in 1942, the Society of Plastics Engineers has grown from 60 members to over 33,000. SPE has been located in Connecticut since 1954, where it built its present office on two acres in Brookfield in 1980. What the charter members had in mind was to become more technically oriented about plastics because of the difficulty they had in making presentations to the automotive industry. SPE's objective is still the education of its members "to provide and promote the knowledge and education of plastics and polymers worldwide." This is accomplished through conferences, seminars, monthly local Section meetings, and the 21 Technical Divisions.

Although most of the 98 Sections are in the United States, SPE has members in over 70 countries. The Society operates a European office in Antwerp, Belgium, to better serve its members in European countries.

Of the numerous benefits available to members, the monthly magazine *PLASTICS ENGINEERING* is one that is highly valued and its subscription cost is covered by each member's dues. The other SPE technical journals *Polymer Engineering and Science*, *Polymer Composites*, *Journal of Vinyl & Additive Technology*, *Journal of Injection Molding Technology*, and *Journal of Applied Medical Polymers*—have a more specialized content. *PE&S* is published 12 times per year. *PC* is printed six times a year, *JVAT* and *JIMT* four times a year and *JAMP* semi-annually. Members may subscribe to these journals at reduced rates.

The SPE Bookstore offers over 250 technical titles to choose from, including software and video formats. Members save approximately 20% off list prices. The SPE Technical Volumes Committee puts its stamp of approval on some of these titles indicated by an SPE logo on the book's spine.

The Society annually presents International Awards at its Annual Technical Conference (ANTEC) to individuals for their outstanding contributions with awards in the areas of Research, Business Management, Education, Engineering/Technology, Benefit to Society, and for international contributions to the plastics industry (The International Award). Two awards are also presented for Plastics Products Design—in Industrial and Consumer categories.

Another way SPE promotes plastics is on video. In 1984, SPE produced the film, *Plastics, The World of Imagination*. The 30-minute award-winning film has been seen, thanks to cable TV, by over 40 million people. Out of its success came the need to make another film, this one geared to high school students. So in 1991 SPE put together an educational program "Solving Tomorrow" which includes a 20-minute video, *Not Your Average Field Trip*. It has been distributed free to high school teachers of physics, biology, earth science, and chemistry. It's extremely successful, having reached over 24 million students.

In January 2000 the Society unveiled an elementary school program (for grades 4 through 6) entitled *Dr. Polly Polymer and the Fantastic Plastics Factory*. Each kit contains a video of four 5-minute segments, a teacher's guide, and worksheets for the students. The video, part animation and part live, follows three students as they go on a scavenger hunt for plastic items and in the process learn about plastics. The SPE Foundation, with major support from the Color & Appearance Division and the Thermoforming Division, as well as many Sections and other Divisions, raised the funds to make this project a reality.

SPE serves college members in 98 Student Chapters at technical colleges and universities where there are courses and programs in

plastics. There are Chapters in Sweden, Germany, Finland, Mexico, Taiwan, Canada, and Singapore, as well as the United States. The SPE Scholarship Fund helps undergraduate students in their pursuit of a career in polymers. Along with Section contributions, SPE provides more than \$400,000 in grants and scholarships.

SPE seminars cover processing, design, materials, applications, and management. About 40 titles are presented annually, all over the world. Conferences, too, are an important part of what's happening in the Society. Approximately 18 of these one- or two-day technical sessions (RETECs) take place all around the world every year.

ANTEC, the Annual Technical Conference, attracts members from all over. It is the largest technical meeting in the industry. The 1996 ANTEC, held in Indianapolis, was

attended by over 4,800 people, hosted 160 exhibitors and presented almost 700 technical papers. The preprint of the entire conference took 3,700 pages. The 1997 ANTEC was held in Toronto, Canada. Atlanta was the site for 1998; New York City for 1999, and Orlando, 2000. Dallas, Chicago, and Nashville follow.

The first Processors Conference was held November 1997 in Columbus, Ohio. It concentrated on four areas—Extrusion, Blow Molding, Injection Molding, and Mold Making & Mold Design. The second ProCon was held in March 1999 in Greensboro, North Carolina. The ProCons are designed to appeal to Processors, Resin Suppliers, Distributors, Designers, End Users, Equipment Manufacturers, and Auxiliary Equipment Manufacturers with emphasis on addressing questions from the shop floor.



1999-2000 SPE Executive Committee

ABOUT TECHNOMIC PUBLISHING COMPANY

Technomic Publishing Co. was founded in Connecticut in 1965 by Melvyn Kohudic, a chemist who had been an editor with the Society of Plastics Engineers. The company was moved to Lancaster, Pennsylvania, in 1982. Kohudic retired in 1997, but the company remains in family hands under the ownership and management of Michael J. Margotta, the former executive vice-president. During these past 35 years, Technomic has published over 300 books on plastics and polymers. It is also the publisher of the following research journals:

- Concurrent Engineering Research and Applications, quarterly
- International Journal of Damage Mechanics, quarterly
- Journal of Bioactive and Compatible Polymers, Bimonthly
- Journal of Biomaterials Applications, quarterly
- Journal of Cellular Plastics, bimonthly
- Journal of Chemical Vapor Deposition, quarterly
- Journal of Composite Materials, semi-monthly
- Journal of Elastomers and Plastics, quarterly
- Journal of Fire Sciences, bimonthly
- Journal of Industrial Textiles, quarterly
- Journal of Intelligent Material Systems and Structures, monthly
- Journal of Materials Processing and Manufacturing Science, quarterly
- Journal of Plastic Film & Sheeting, quarterly
- Journal of Reinforced Plastics and Composites, 18 per year
- Journal of Sandwich Structures and Materials, quarterly
- Journal of Thermal Envelope and Building Science, quarterly
- Journal of Thermoplastic Composite Materials, bimonthly

Additionally, Technomic publishes three monthly newsletters:

- Plastics in Building Construction
- Urethane Plastics and Products
- Reuse/Recycle

The following is a partial list of organizations and conferences for which Technomic has produced conference proceedings (some for more than a decade):

- Society of Plastic Engineers, Inc.
- American Plastics Council, Alliance for the Polyurethanes Industry (formerly The Society of the Plastics Industry, Inc./Polyurethane Division)
- The Society of the Plastics Industry, Inc./Composites Institute
- The American Society for Composites
- International Conference on Adaptive Structures
- Oak Ridge National Laboratory
- International Thermal Conductivity Conference
- Fire Retardant Chemicals Association
- Structural Materials Technology Conference
- The Polymer Institute/University of Detroit Mercy
- Plastics Institute of America, Inc.
- The Institute of Electrical and Electronics Engineers, Inc.
- American Chemical Society, Division of Polymer Chemistry
- Society for the Advancement of Material and Process Engineering (SAMPE)

The company sponsors a number of industry conferences.

- HealthPack: The Annual Conference on Packaging of Medical Devices and Products (annual since 1991)
- The Annual International Conference on Textile Coating and Laminating (annual since 1991)

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- Automotive Air Bag Technology Conference

Seminars on plastics and polymers are conducted each year by Technomic—some typical topics are:

- Medical Plastics
- Bioabsorbable Polymers
- Medical Device Sterilization
- Medical-Grade Polyurethanes
- Hydrogels for Medical and Pharmaceutical Applications
- Cardiovascular and Neurovascular Devices
- Minimally Invasive Devices
- Practical Chemistry of Polyurethanes

- Thermoplastic Foams
- Polyurethane Foams Formulation
- Polyurethane Coatings: From Raw Materials to End Products
- Pressure-Sensitive Adhesives
- Surface Treatment of Plastics
- Radiation Curable Coatings, Adhesives, and Inks
- Sandwich Structure Design and Applications

All Technomic publications are available on its World Wide Web site where purchases can be made at any time. Other electronic products include CD-ROM editions of conference proceedings and software diskettes.

A BBREVIATIONS

ACS	American Chemical Society	FAIC	Fellow of American Institute of Chemists
actg	acting	grp	group
admin	administration	hd	head
adv	advisory	HS	high school
advt	advertising	IEEE	Institute of Electrical and Electronics Engineers
AIChE	American Institute of Chemical Engineers	ind	industry
anal	analytical	indstl	industrial
appln	application	inj	injection
ASME	American Society of Mechanical Engineers	Inst	Institute
assist	assistant	instr	instructor
assn	association	insuln	insulation
assoc	associate	ldr	leader
assoc	associates	LLB	Bachelor of Laws
ASTM	American Society for Testing & Materials	MA	Master of Arts
BA	Bachelor of Arts	mach	machinery
BAS	Bachelor of Applied Science	matl	material
bd of dir	board of directors	matls	materials
BSCE	BS in Civil Engineering	MBA	Master of Business Administration
BSE	BS in Chemical Engineering	mech	mechanical
BSEE	BS in Electrical Engineering	mfd	manufactured
BSME	BS in Mechanical Engineering	mfg	manufacturing
chapt	chapter	mfr	manufacturer
chmn	chairman	mgr	manager
comm	committee	mgt	management
comp	compound	mktg	marketing
compdg	compounding	mldg	molding
cons	consultant	MS	Master of Science
const	construction	MSE	MS in Engineering
cty	county	NAE	National Academy of Engineering
des	design	NAS	National Academy of Science
dev	developed	NASA	National Aeronautics and Space Administration
dev	development	NBS	National Bureau of Standards (now NIST)
dir	director	NIST	National Institute of Science & Technology
Dr Engg	Doctor of Engineering	oper	operation
ed	edited	opers	operations
ed	editor	opt	optical
educ	education	PBK	Phi Beta Kappa honorary society
elect	electrical	P.E.	Professional engineer
engg	engineering	PhD	Doctor of Philosophy
enr	engineer		
environ	environmental		
exptl	experimental		
extr	extrusion		

WHO'S WHO IN PLASTICS & POLYMERS

phys	physical	sls	sales
pkgng	packaging	SPE	Society of Plastics Engineers
plas	plastics	SPI	The Society of the Plastics Industry
polym	polymer	sr	senior
prdn	production	supt	superintendent
pres	president	supv	supervisor
proc	process	svc	service
prod	product	SX	Sigma Xi research society
prof	professor	sys	system
props	properties	TBP	Tau Beta Pi honorary society
QC	quality control	tech	technical
R&D	research and development	technol	technological
rep	representative	technol	technology
res	research	U.S.	United States
ret	retired	Univ	University
SAE	Society of Automotive Engineers	USAF	U.S. Air Force
ScD	Doctor of Science	USN	U.S. Navy
sci	science	vp	vice president
secy	secretary		

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tech staff engr I, (T) dev polymeric based pasted negative electrode, (T) des & inst of \$2M pilot lab; 1996-, tech staff engr I, dev binder based extrudable nickel slurry formulation, (T) dev & implement sintered electrode for recharge battery, proc dev & improvements. 2 patents; 8 papers. TBP member; team ldr Tech Awareness Prog., Energizer Power Sys., team ldr—recd employee involvement/team leader excellence award; rep of Energizer Power Systems at Univ of Florida Engg. Fair, 1995 & 1998; Alachua Regional Science/Engg. Fair judge, 1995. Res: 4008 N.W. 122nd St., Gainesville FL 32606.

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containers for Magic Shell (Foremost McKesson) and Vick Nyquil, first CVJ bellows for GM and TRW; Cincinnati Milacron 1980-87, Mgr dev Engr and Prod Mgt. PET container machinery and PET inj. mldg machines, dev first thick wall preform for 5-1/3 gal PET container (beer ball), development of angioplasty PET balloons, dev of flat oval PET and wide mouth PET containers, first RF SBM machine for PET, free blowing of PET preforms; Sabel Plastech Inc. 1987-, Pres and Owner, first oriented PET container with integral handle, extr blow molding with std. PET, 54 patents; 60+ talks; 25+ papers; 15 articles; 35 books/chapters written. Editor Practical Extrusion Blow Molding book published by Marcel Dekker, N.Y.; member SPE B of D & Chmn; Fellow of the Society, SPE Seminar Instructor, Tel-Tech expert; SME Instruction Fundamentals of Blow Molding, blow mold design, PET, Advanced Blow Molding, inj blow molding; Licensed PE in Ohio & N.J., lectured at Drexel, Michigan State School of Packaging, Univ of Toledo, Univ of Akron, 1995 SPE Lifetime Achievement Blow Molding, 1995 Univ. of Akron — Outstanding Engr Alumni — College of Engineering; Res: 2055 Weil Rd., Moscow, OH, 45153.

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