

CONTRIBUTORS

G.A.A.

GERARD ANTHONY ALBERT, B.S. IN ENGINEERING
Assistant General Manager, National Vulcanized Fibre Co.; member, S.P.E.
R.A.

REINO AARNIO, R.A.

Architect and Industrial Designer; member, S.P.E.

R.B.A.

RUSSELL B. AKIN, PH.D.

Technical Assistant to Sales Manager, E. I. du Pont de Nemours & Co.;
Vice-President, Newark Section, S.P.E.

R.S.A.

ROBERT S. ARIES, M.CH.E., M.A. (ECON.), M.Sc., D.CH.E., PH.D.
Consulting Engineer

A.L.B.

ALVIS L. BARRIER, B.S. CH.E.

Registered Professional Engineer, State of Indiana; Secretary-Treasurer,
Barrier-Pribble & Co., Inc.; member, S.P.E.

C.E.B.

CLARE EUGENE BACON, B.S.

Project Technologist, Research and Development Laboratories, Owens-
Corning Fiberglas Corp.; member, S.P.E.

C.K.B.

C. KILPATRICK BUMP, PH.D.

Assistant Director of Research, Monsanto Chemical Co., Plastics Division

C.W.B.

CHARLES W. BOWDEN, B.A.

Engineer in Textile Instrument Applications, Brown Instruments Division,
Minneapolis-Honeywell Regulator Company

E.F.B.

ERNEST F. BORUSKI, JR., B.S.

President, Multi-Mold Products

E.H.B.

E. H. BRINK, B.S. CH.E.

Assistant Director of Research, Masonite Corporation

H.L.B.

H. L. BARNEBEY, B.S., CH.E.

Manager, Process Development Dept., Equipment Blaw-Knox Division,
Blaw-Knox Company

J.B.

JAMES BAILEY, M.E.

Vice-President and Research Director, Plax Corporation

J.W.B.

J. W. BERTHOLD

Assistant Chief Engineer, American Insulator Corp.

L.B.

LEONARD BECKER, B. CH.E.

Director, Engineering Research, S. Buchsbaum & Co.; member, S.P.E.

M.A.B.

MICHAEL A. BROWN, JR., B.S.

Sales Promotion Manager, Plaskon Division, Libbey-Owens-Ford Glass Co.

P.A.B.

PHILIP A. BELK

Promotion Dept., Hercules Powder Co.

P.D.B.

PHILIP DAWSON BROSSMAN, B.S. CH.E.

Chief Chemist, Washington Works, E. I. du Pont de Nemours & Co.

R.B.

ROBERT BURNS, B.S.

Technical Staff, Bell Telephone Laboratories

R.D.B.

RONALD D. BECK, B.S.

Plastic Development Engineer; coauthor, "Applied Plastic Product Design"; member, S.P.E.

S.L.B.

SHAILER L. BASS, PH.D.

Assistant General Manager, Dow-Corning Corporation

A.D.C.

ANTHONY D. CALABRO

Calabro Plastics; President, Philadelphia Section, S.P.E.

A.G.C.

ALBERT G. CHENICEK, PH.D.

Group Leader, Interchemical Corporation

A.H.C.

ADRIAN H. CUBBERLEY, A.B.

Research Chemist, The Barrett Division, Allied Chemical & Dye Corporation

D.C.C.

DONALD C. CHASE, B.S. M.E.

Manager, Rubber and Plastics Machinery Sales Div., Farrel-Birmingham Co.

E.J.C.

ERNEST J. CSASZAR, B.S. M.E.

Chief Engineer, Eagle Tool & Machine Co.; member, S.P.E.

J.E.C.

JOHN E. CURRIER, B.S.

Sales Engineer, American Insulator Corp.; member, S.P.E.

J.K.C.

J. KENNETH CRAVER

Coordinator, Plasticizers-Functional Fluids, Development Dept., Organic Chemicals Div., Monsanto Chemical Co.; member, S.P.E.

J.R.C.

JOHN R. CRELLIN, JR., B.S. M.E.

Sales Engineer, Crellin Plastics Co.

L.E.C.

LAVERNE E. CHEYNEY, B.S. M.S., PH.D.

Research Director, Pollock Paper Corp.; member, S.P.E.

P.F.C.

PAUL FRANKLIN CORBIN, B.S.

Vice-President, Blackburn Products, Inc.; member, S.P.E.

R.G.C.

ROBERT G. CHOLLAR, B.A.

Director of Research, National Cash Register Co.; former President, Miami Valley Section, S.P.E.

R.R.C.

R. RUFFIN COOK, B.S., CH.E.

Group Leader, Thermosetting Molding Powder Research, Monsanto Chemical Co.

Plastics Division

R.T.K.C.

RALPH T. K. CORNWELL, PH.D.

Director of Research, Sylvania Division, American Viscose Corporation

W.F.C.

WILLIAM F. CULLOM, B.S.

Plastic Packaging Specialist; member, S.P.E.

F.J.D.

FRANK J. DONOHUE, B.S. CH.E.

Manager of Technical Service, Thermosetting Molding Materials, Monsanto Chemical Co.

Plastics Div.; member, S.P.E.

F.K.D.

FRED K. DAVIDSON, B.S. (CHEM.)

Vice-President and General Manager, Boonton Molding Co.

H.D.

HENRY DREYFUSS

Industrial Designer; member, S.I.D.

J.D.

JOHN DELMONTE, B.S., M.S.

Consulting Engineer; Technical Director, Plastics Industries Technical Institute; author "Plastics in Engineering" and "Technology of Adhesives"; president, Southern California Section, S.P.E.

J.H.D.

JESSE HAROLD DAY, PH.D.

Assistant Professor of Chemistry, Ohio University; Editor, S.P.E. Journal

J.H.DU.

J. HARRY DUBOIS, B.S.

Vice-President, Shaw Insulator Co.; Past President, S.P.E.; author of "Plastics," coauthor, "Plastics Mold Engineering"

R.L.D.

ROBERT LINCOLN DAVIS, B.S. M.E.

Sales Engineer, Continental Can Co. Plastics Div.; Secretary, S.P.E., coauthor, "Applied Plastic Product Design"

W.B.D.

WILLIAM BRAND DALL, B.A.

Managing Editor, "Textile World"

J.W.E.

J. W. EVERSON

Plastics Technical Service, Dow Chemical Co.

W.H.E.

W. HAROLD EDMUNDS

Registered Professional Engineer, State of Pennsylvania; Engineer-in-Charge, Small Air Circuit Breaker Engineering, I-T-E Circuit Breaker Co.; member, S.P.E.

C.J.F.

CARL J. FROSCH, B.S.

Technical Staff, Bell Telephone Laboratories; member, S.P.E.

J.L.F.

JEROME L. FORMO, B.A.

Supervisor, Plastics Laboratory, Minneapolis-Honeywell Regulator Co.; president, Upper Midwest Section, S.P.E.

L.J.F.

LOUIS J. FRANCISCO, A.B.

District Manager, The Formica Company; member, S.P.E.

D.C.G.

DALE C. GERBER, B.S. M.A., LL.B.

Development Engineer, The Hoover Company; member, S.P.E.

I.R.G.

IVAN R. GILBERT, A.B.

Technical Staff, Humbert & Jones

M.R.G.

MILO R. GEROW, B.S. E.E.

Product Manager, Plastics, Reynolds Metals Co.; Chairman, Professional Activities Committee, S.P.E.

A.A.H.

ALLAN A. HUTCHINGS, M.E., M.B.A.

Manager, Plastics Div., F. J. Stokes Machine Co.

A.H.H.

A. H. HAROLDSON

Director of Research, Continental Diamond Fibre Co.

A.J.H.

ALBERT J. HENDERSON, B.S. Ch.E.

Research Engineer, The Neville Company

B.F.H.

B. F. HANTZ

Chief Engineer, American Insulator Corp.; member, S.P.E.

C.B.H.

CHARLES B. HEMMING, B.S.

Chief Chemist, U. S. Plywood Corp.

C.J.H.

CLARENCE J. HERRLY, B.S.

Sales Manager, Niacet Chemicals Div., U. S. Vanadium Corp.

G.A.H.

GEORGE A. HARRINGTON, B.A., M.S., Ph.D.

Lubricating Dept., Socony-Vacuum Oil Company

W.A.H.

WILTON ARTHUR HAWKINS, B.S.M.E.

Product Development, E. I. du Pont de Nemours & Co.

W.B.H.

WILLIAM B. HOEY, B.S., E.E.

President, Plastics Processes, Inc., and of William B. Hoey, Inc.; member, S.P.E.

W.H.H.

WILSON H. HANNAHS, B.A., B.S.

Senior Development Engineer, Sylvania Electric Products

D.D.I.

DORMAN D. ISRAEL, E.E.

Executive Vice-President, Emerson Radio and Phonograph Corp.

A.A.K.

ALBERT A. KAUFMAN, E.E., Ph.D.

President, Industrial Synthetics Corp.; member, S.P.E.

E.F.K.

EDWARD F. KEUSCH, M.E.

Engineer, Niagara Insul-Bake Specialty Co.; member, S.P.E.

G.C.K.

GEORGE C. KIERNAN

Executive Editor, "Premium Practice and Business Promotion"

G.W.K.

GEBHARD WILLIAM KENY, B.A.

President and General Manager, Columbus Plastic Products, Inc.; member, S.P.E.

I.O.K.

I. O. KENEN

Chief Chemist, Research and Development Dept., Nixon Nitration Works

M.J.K.

MILES J. KALAHAR

Plastics Technical Service, Dow Chemical Company

R.N.K.

R. N. KENNEDY

Plastics Technical Service, Dow Chemical Company

W.N.K.

W. NEWLIN KEEN, B.M.E.

Test Engineer, E. I. du Pont de Nemours & Co.; Secretary, Executive Committee, Rubber and Rubber Laboratory, Plastics Div., A.S.M.E.

A.W.L.

ARTHUR W. LOGOZZO

President, Nutmeg Chrome Corp.; member, S.P.E.

C.L.

CHARLES LICHTENBERG, I.CH.E.

Assistant General Manager of Sales, Monsanto Chemical Co. Plastics Div.

E.J.L.

EUGENE J. LUX, M.E.

Industrial Designer

G.S.L.

GEORGE S. LAFF, B.A.

Director, Research and Development, The Bolta Company; member, S.P.E.

J.E.L.

JOHN EDWARD LYNN, B. CH.E. Sc.D.

Group Leader, Textile Chemicals Laboratory, American Cyanamid Co. Plastics Div.

R.W.L.

ROBERT W. LYTLE

Vice-President in charge of Special Engineering, The Formica Company

S.L.

SIDNEY LEVY, CH.E.

Research Engineer, National Cash Register Company; member, S.P.E.

A.A.M.

ALFRED A. MORSE

Peerless Roll Leaf Co.

A.J.deM.

ADOLPHE J. DEMATTEO, B.M.E.

Assistant Chief Engineer, Watson-Stillman Company; member, S.P.E.

A.R.M.

A. REYNOLDS MORSE, B.A., M.B.A.

President, Injection Molders Supply Company; member, S.P.E.

C.T.M.

CHARLES T. MASTERTON, B.S.
Lamp Dept., General Electric Company

E.K.M.

E. K. MADAN, B.S.
President, The Emeloid Company

F.L.M.

F. L. MICHAEL, B.S.
Product Engineer, Chemical Dept., General Electric Co.

G.M.

GARSON MEYER, B.S.
Chief Chemist, Eastman Kodak Company-Camera Works; member, S.P.E.

G.O.M.

GEORGE O. MORRISON, B.A.
Director, Research & Development, Shawinigan Products Corp.

H.W.M.

H. W. MOHRMAN, B.S.
Assistant Director of Research, Monsanto Chemical Co. Plastics Div.

I.E.M.

IRVING E. MUSKAT, A.B., M.S., PH.D.
President, Marco Chemicals, Inc.

J.J.M.

JOHN J. MICIK, CH.E.
Specialty Dept., International Printing Ink Div. of Interchemical Corp.

J.W.M.

J. W. MIGHTON
Plastics Technical Service, Dow Chemical Co.

L.J.M.

L. J. MORRISON, M.E.
Vice-President, Detroit Mold Engineering Co.; member, S.P.E.

L.W.A.M.

LESTER W. A. MEYER, B.S.
Assistant Supt., Cellulose Esters and Plastics Development Dept., Tennessee Eastman Corp.; 1st Vice-Chairman, A.S.T.M. Committee D-20;
Technical Committee on Plastics, P.M.M.A.

M.M.

MEL MEYERS, A.B.
Technical Writer

M.S.M.

M. SCOTT MOULTON, B.S. CH.E.
Consultant; former National Secretary, S.P.E.

R.H.M.

ROBERT H. MOSHER, B.S., M. Sc.
Technical Manager, Holyoke Card & Paper Co.

W.H.M.

WILLIAM H. MACHALE, B.S., M.B.A.

Advertising Manager, American Cyanamid Co. Plastics & Resins Division

W.T.M.

WALTER T. MACADAM, B.S.

Manager, Ion Exchange Products Dept., American Cyanamid Co.

A.E.N.

AUBREY E. NOBLE

Technical Engineer, Catalin Corp. of America

B.W.N.

BYRON WADE NELSON, B.Ch.E.

Head of Plastics Development Laboratory, National Cash Register Company; member, S.P.E.

E.E.N.

EMIL ERNEST NOVOTNY

Retired Executive Vice-President, Chemical Division, The Borden Company

H.N.

HAROLD NARCUS, B.S., M.S.

President and Technical Director, Electrochemical Industries, Inc.

J.D.N.

JOHN D. NELSON, B.Ch.E.

Group Leader, Resin & Varnish Engineering, Chemical Dept., General Electric Co.

E.G.P.

EDWARD G. PARTRIDGE, Ph.D.

Director of Research, American Anode, Inc.

H.F.P.

HENRY F. PEARSON

President, Pearson-Berlinghof, Inc.

J.H.P.

J. H. PARLIMAN, B.S.

In Charge of Technical Service, Plax Corporation

J.W.P.

JOHN WILLIAM PULASKI, B.S.M.E.

Development Design Engineer, General Electric Co., Refrigerator Cabinet Engineering Division

L.F.P.

LEONARD F. PINTO, A.B.

Technical Sales Service, Newport Industries, Inc.

R.M.P.

ROBERT MARSHALL PAULSEN, B.S. Ch.E.

Manager, Resinous Products Development, U. S. Rubber Company; member, S.P.E.

T.D.P.**THOMAS DOANE PERRY, A.B., B.S. M.E.**

Consulting Engineer; author, "Modern Wood Adhesives" and "Modern Plywood"

W.H.P.**WILLIAM H. PEACOCK, B.S.**

Supervisor, Plastics Group, Application Research Dept., American Cyanamid Co. Plastics Division; member, S.P.E.

W.I.P.**WAYNE I. PRIBBLE**

Registered Professional Engineer, State of Indiana; President, Barrier-Pribble & Co.; coauthor, "Plastics Mold Engineering"; President, Northern Indiana Section, S.P.E.

H.H.R.**HERBERT H. REINHARD**

General Sales Manager, Sperzel Company

H.M.R.**HENRY M. RICHARDSON, E.E.**

DeBell & Richardson, Inc., Consultants; coeditor, "Fundamentals of Plastics"; Chairman, Rubber & Plastics Div., A.S.M.E., 1947; member, S.P.E.

J.D.R.**JOSEPH DENNIS RYAN, B.S. CH.E., M.S., PH.D.**

Assistant Director of Research, Libbey-Owens-Ford Glass Co.; member, S.P.E.

J.O.R.

Jean O. Reinecke & Associate; Industrial Designers; member, S.I.D. and S.P.E.

J.W.R.**JOHN W. REINHARDT**

Advertising Manager, Proctor & Schwartz, Inc.

K.R.**KENNETH ROSE, B.S.**

Engineering Editor, "Materials and Methods"

L.C.R.**LOUIS C. RUBIN, Pet. Eng., M.S.**

Manager, Chemical Manufacturing Dept., The M. W. Kellogg Company

A.L.S.**ARNOLD L. STARK**

Plastics Technical Service, Dow Chemical Co.

C.W.S.**CARL W. SUNDBERG**

of Sundberg-Ferar, Industrial Designers; member, S.I.D. and S.P.E.

H.R.S.

HAROLD R. STOVER, B.S.I.E.

Manager, Engineering and Manufacturing, Sheffield Plastics, Inc.; formerly
Chemical Dept., General Electric Company

J.S.

JACK SANDLER, B.S.CH.E.

Vice-President and Chief Chemist, Hungerford Plastics Corp.; member,
S.P.E.

J.S.S.

JOHN S. SAVIELLO

Manager, Automatic Button Co.

L.L.S.

LAWRENCE L. SHAILER, JR., B.S. CH.E.

Technical Service Engineer, B. F. Goodrich Chemical Co.

L.S.

LOUIS SCHWARTZ, M.D.

Medical Director, U.S.P.H.S. (Ret.); Professor of Industrial Dermatology,
New York University; Adj. Professor of Dermatology and Syphilology,
Georgetown University; Consultant Dermatologist

S.S.

SAM SILBERKRAUS, B.S.

Riverdale Laboratory, Consultants; President, New York Section, S.P.E.

S.Sa.

STANLEY SAPERY

President, Stanley Sapery Co.; member, S.P.E.

W.A.S.

WARREN A. SHARP, B.S. CH.E.

Plastics Engineer in Charge of Plastics Laboratory, The Electric Auto-
Lite Company, Bay Manufacturing Div.; member, S.P.E.

W.R.S.

WELDON R. SANFORD

Sales Promotion and Advertising Manager, Markem Machine Company

W.S.

WILLIAM SCHACK, A.B. (Chem.)

Editor; formerly Senior Editor, "Plastics"; National Chairman, Publicity,
S.P.E., 1947-49

I.T.

ISLYN THOMAS

President, Thomas Manufacturing Corp.; Vice-President, S.P.E.; author,
"Injection Molding"

J.K.T.

JOHN K. TOTTEN

Chemical Engineer, Plastics & Rubber Section, Quality Control Labora-
tories, Ford Motor Company; member, S.P.E.

J.M.T.

JOHN M. TORR
President, Plastic Welding Corp.

J.W.T.

J. W. TOMKA
Sales Manager, Elmes Engineering Works, American Steel Foundries

S.E.T.

SUMNER EDWARD TINKHAM
Chief Engineer, Shaw Insulator Company

W.E.V.

W. E. VAWTER, B.S., M.S.
Chief Chemist, American Plastics Corp.

A. VON H.

ARTHUR ROBERT VON HIPPEL, PH.D.
Director, Laboratory for Insulation Research, Massachusetts Institute of
Technology

L.W.

LAWRENCE WITTMAN, M.E.
Reinforced Plastics Molder and Consultant; Member, Steering Committee,
Reinforced Plastics Div., S.P.I.; Wartime Chairman, Plastic Tooling Re-
search Panel, Aircraft War Production Board

H.A.W.

HERBERT AUGUST WINKELMANN, B.S., M.S., PH.D.
Technical Director, Dryden Rubber Div., Sheller Manufacturing Corpora-
tion; member, S.P.E.

K.G.W.

KENNETH G. WEABER, M.S.
Optical Engineer, Radio Corporation of America, Victor Div.

M.W.W.

MANSFIELD W. WILLIAMS, B.S.E., M.S.
Commercial Development Dept., Firestone Plastics Company

W.A.W.

WILLIAM A. WOODCOCK, A.B.
Fine Chemicals Div., Carbide & Carbon Chemicals Corp.

W.B.W.

WILLIAM BURDETTE WILKINS
Consultant; Past Chairman, Reinforced Plastics Div., S.P.I.; member,
Executive Board, Wood Industries Div., A.S.M.E.; member, S.P.E.

S.P.Z.

SAMUEL P. ZUCCARELLI
Manager, Research and Development Dept., Nixon Nitration Works