

# CONTENTS

<b>Biographical Sketches</b> (arranged alphabetically and giving page number of author's article)	ix
<b>The President's Observations</b> , by Michael J. McKerrow	xix
<b>Foreword</b> , by Jackson K. Emery	xxi
<b>From the Editor</b> , by Rowen Glie	xxiii
✓ <b>Part 1. Introduction and Definitions</b>	1
Standards and the Public Interest, by J. Herbert Hollomon. This is a most significant contribution to an understanding of the role that standards play in modern society.	3
Fundamentals of Standardization, by Dr. J. Gaillard and Madhu S. Gokhale (from <i>Industrial Standardization in Developing Countries</i> , UN).	15
Introduction to Standardization (Basic Definition), by Rowen Glie, which is, so far as we know, the latest paper presented on this subject.	22
Definitions of Terms Used in Standardization, International Standards Organization	34
<i>Through History with Standards</i> , a charming brochure published by ASA (presently ANSI) and by itself a wonderful introduction to any book on standardization.	37
<b>Part 2. Standards Engineer</b>	73
Description of a Standards Engineer, by J. V. Panek and C. J. Eiwien.	75

Job Description for Standards Engineer, by Everett Woerter.	79
Abstract of Report on Educational Courses for Standards Engineers, by the chairman of the Educational Committee of N.Y. Metropolitan Section, Rowen Glie.	91
Training of Engineering and Technical Personnel in a Standards Department, by John L. Rayfield.	97
Is There a Difference? The Role of the "Engineer in Standards" and the "Standards Engineer" in a Medium-size Decentralized and Diversified Industry, by Fulton R. Magill.	105
 Part 3. Standardization Program	 109
Selling Standards to Management. What Management May Expect from a Sound Standardization Program, by Irving O. Miner.	111
Value of Properly Planned Standardization, by Everett Woerter.	120
The Role of Management in Company Standardization, by John T. Milek.	129
Let's Talk Sense about Company Standards, by Arnold M. Rosenwald.	145
Influence of a Company Standardization Policy, by Edgar S. Kirk.	156
Measuring Your Standards Department to a Standard, by John L. Rayfield.	161
 Part 4. Benefits of Standardization	 167
The Benefit of Standardization to Industry, by Leslie D. Price.	169
Companies Reply to Standards Survey, from ASA Survey (Presently USASI).	179

Standards Pay Dividends, by Gerald C. Joynt, Manager, Machining Process Department, Ford Motor Company.	182
The Tangible Benefits of Standardization, by W. F. Arnold, Staff Assistant, Machine Technology IBM General Products Division Development Laboratory, Rochester, Minnesota.	194
Advantages of Standardization to Procurement Activities, by V. de P Goubeau.	201
Standards Evaluation for Profit, by R. L. M. Rice, Standards Engineer, E. I. duPont de Nemours, Wilmington, Delaware.	208
How to Evaluate Savings, by Arnold M. Rosenwald	216
Industrial Standardization, a Requisite for Survival in Time of National Emergency, by Senator R. E. Flanders.	221
Industry Benefits from Standardization of Products and Processes, by George T. French, Senior Vice-President-Manufacturing, Deere & Company.	226
Standards and the Federal Consumer, by George W. Ritter, Assistant Commissioner, Standards and Quality Control, Federal Supply Service, General Service Administration.	230
Part 5. Component Selection and Parts Manual	235
Panel Discussion on Rotating Servocomponents, Presented at the Thirteenth Annual Convention of Standards Engineers Society, September 2, 1964.	237
Members of the Panel: Ralph Pickus, Sperry Gyroscope Marvin Walters, Engineering Division, Bureau of Naval Weapons Benjamin Sachs, Vernitron Corporation Albert Diamond, Vernitron Corporation	

An In-House Manual of Standard Components – How Is It Prepared? by Joel G. Walker. 256

Part 6. Company Standards Departments and How They Work 265

The Sperry Materials and Components Engineering Activity, by S. B. Ash, **Materials &** Components Engineering Department Head, Sperry Gyroscope Company Division of Sperry Rand Corp. 267

Management of a Company Standards Program, by Paul A. Piper of Martin Company. 286