

BENDIX KANSAS CITY DIVISION  
TECHNOLOGICAL SPINOFF  
THROUGH 1978

BDX-613-2141

Internal Distribution February 1979

Prepared by:  
H. T. Barnes  
Department 554

NOTICE

This report was prepared as an account of work sponsored by the United States Government. Neither the United States nor the United States Department of Energy, nor any of their employees, nor any of their contractors, subcontractors, or their employees, makes any warranty, express or implied, or assumes any legal liability or responsibility for the accuracy, completeness or usefulness of any information, apparatus, product or process disclosed, or represents that its use would not infringe privately owned rights.

Communications Services



Kansas City  
Division

DISTRIBUTION OF THIS DOCUMENT IS UNLIMITED

2/79

## **DISCLAIMER**

**This report was prepared as an account of work sponsored by an agency of the United States Government. Neither the United States Government nor any agency Thereof, nor any of their employees, makes any warranty, express or implied, or assumes any legal liability or responsibility for the accuracy, completeness, or usefulness of any information, apparatus, product, or process disclosed, or represents that its use would not infringe privately owned rights. Reference herein to any specific commercial product, process, or service by trade name, trademark, manufacturer, or otherwise does not necessarily constitute or imply its endorsement, recommendation, or favoring by the United States Government or any agency thereof. The views and opinions of authors expressed herein do not necessarily state or reflect those of the United States Government or any agency thereof.**

## **DISCLAIMER**

**Portions of this document may be illegible in electronic image products. Images are produced from the best available original document.**

This document replaces BDX-613-1984, *Bendix Kansas City Division Technological Spinoff Through 1977*. That report can now be discarded. X

WAM-myw

This report was prepared as an account of work sponsored by the United States Government. Neither the United States, nor the United States Department of Energy, nor any of their employees, nor any of their contractors, subcontractors, or their employees, makes any warranty, expressed or implied or assumes any legal liability or responsibility for the accuracy, completeness or usefulness of any information, apparatus, product, or process disclosed, or represents that its use would not infringe privately owned rights.

The Bendix Corporation  
Kansas City Division  
P. O. Box 1159  
Kansas City, Missouri 64141

A prime contractor with the United States  
Department of Energy under Contract Number  
DE-AC04-76-DP00613

CONTENTS

Section	Page
TECHNOLOGICAL SPINOFF. . . . .	5
WHY. . . . .	5
WHAT . . . . .	5
WHERE. . . . .	5
WHEN . . . . .	6
HOW. . . . .	6
DISTRIBUTION . . . . .	104

APPENDICES

	Page
A. REPORT COLLECTIONS IN THE UNITED STATES. . . . .	7
B. REPORT COLLECTIONS IN OTHER COUNTRIES. . . . .	11
C. REPORT COLLECTIONS IN INTERNATIONAL AGENCIES . . .	14
D. TECHNOLOGICAL SPINOFF DOCUMENTS RELEASED . . . . .	16
E. AUTHOR INDEX OF REPORTS RELEASED . . . . .	49
F. SUBJECT INDEX OF REPORTS RELEASED. . . . .	77
G. DRAWING SETS RELEASED. . . . .	102

## TECHNOLOGICAL SPINOFF

### WHY

One important objective of the Department of Energy's (DOE) technical information program is "to encourage, wherever feasible, the preparation of information resulting from research and development activities in a form suitable for unlimited distribution."<sup>1</sup> Essentially, since the work is paid for by tax money, the results should be made available to the taxpayer. Thus, release of such information is intended to enhance technological progress throughout the scientific and industrial communities.

### WHAT

Most technological spinoff material produced by Bendix Kansas City Division is in the form of unclassified technical reports. These reports include regular reports published in accordance with reporting requirements and reports prepared especially for technological spinoff.

Classified reports can be spun off also, but only if they are not Atomic Weapon Data. Other types of technological spinoff are conference papers, journal articles, and books. Some sets of drawings of unique Bendix-designed equipment have been released.

### WHERE

When the necessary approvals have been obtained, spinoff documents are sent to DOE's Technical Information Center in Oak Ridge. The Technical Information Center (TIC) makes a standard distribution in microfiche form of the document to various subscribing government agencies and contractors, and announces the document in Energy Research Abstracts (ERA). The documents also are placed in technical libraries around the United States (Appendix A) and in many international information collections (Appendices B and C).

After distribution, the documents are available for purchase in the United States from the National Technical Information Service (U.S. Department of Commerce) in Springfield, Virginia, and from a company which contracts with DOE to sell microform copies of these documents.

<sup>1</sup>AEC Manual AL Chapter 3201-02.

## WHEN

Spinoff documents are forwarded to TIC as soon as possible after internal distribution. After the documents are sent to TIC, a period of 3 to 4 months usually elapses before announcement in NSA and availability of the documents from NTIS. Conference papers are held for release by TIC until the conference is over.

## HOW

After a spinoff candidate document is distributed internally, the additional approvals required for public release of the document are obtained. For a technical report, these approvals are Security and Legal (patent) approvals. These approvals are obtained by the technological spinoff coordinator in the Communications Services department.

After the approvals have been obtained, the required number of copies with the proper documentation are forwarded to DOE's Technical Information Center. From there, the reports are announced and made available worldwide.

Many of the reports released have required slight changes before they became eligible for unrestricted distribution. Consequently, the spinoff report may be different from the report distributed within the weapons complex. Because of this, and for reasons of economy, most requestors of Bendix reports are advised that the reports are available for purchase from NTIS. Requestors from outside the United States are also advised of the location of the nearest international information collection where the report may be available.



Appendix A

REPORT COLLECTIONS IN  
THE UNITED STATES

Appendix A

REPORT COLLECTIONS IN THE UNITED STATES

ALABAMA

Auburn, Auburn University  
Tuskegee Institute, Tuskegee Institute

ARIZONA

Tucson, University of Arizona

CALIFORNIA

Davis, University of California  
Los Angeles, University of California  
Santa Barbara, University of California

COLORADO

Boulder, University of Colorado

DISTRICT OF COLUMBIA

Washington, Library of Congress

FLORIDA

Gainesville, University of Florida

GEORGIA

Atlanta, Georgia Institute of Technology

HAWAII

Honolulu, University of Hawaii

IDAHO

Pocatello, Idaho State University

ILLINOIS

Urbana, University of Illinois

INDIANA

Lafayette, Purdue University

IOWA

Ames, Iowa State University

KANSAS

Manhattan, Kansas State University

KENTUCKY

Lexington, University of Kentucky

MARYLAND

Baltimore, Johns Hopkins University  
College Park, University of Maryland

MASSACHUSETTS

Cambridge, Massachusetts Institute of Technology  
Worcester, Worcester Polytechnic Institute

MICHIGAN

Ann Arbor, University of Michigan

MISSISSIPPI

State College, Mississippi State University

MISSOURI

Columbia, University of Missouri  
Kansas City, Linda Hall Library

NEW JERSEY

Princeton, Princeton University

NEW MEXICO

Albuquerque, University of New Mexico

NEW YORK

Albany, New York State Library  
Albany, State University at Albany  
Ithaca, Cornell University  
New York, Columbia University  
Rochester, University of Rochester  
Syracuse, Syracuse University

NORTH CAROLINA

Raleigh, North Carolina State University

OHIO

Cincinnati, University of Cincinnati  
Cleveland, Cleveland Public Library  
Toledo, University of Toledo

OKLAHOMA

Norman, University of Oklahoma

PENNSYLVANIA

Philadelphia, University of Pennsylvania  
Pittsburgh, Carnegie Library  
University Park, Pennsylvania State University

PUERTO RICO

San Juan, University of Puerto Rico

**SOUTH CAROLINA**

Columbia, University of South Carolina

**TENNESSEE**

Knoxville, University of Tennessee

**TEXAS**

Austin, University of Texas

College Station, Texas A & M University

Houston, Rice University

**UTAH**

Salt Lake City, University of Utah

**VIRGINIA**

Blacksburg, Virginia Polytechnic Institute

Charlottesville, University of Virginia

**WASHINGTON**

Pullman, Washington State University

Seattle, University of Washington

**WEST VIRGINIA**

Morgantown, West Virginia University

**WISCONSIN**

Madison, University of Wisconsin

Appendix B

REPORT COLLECTIONS  
IN OTHER COUNTRIES

Appendix B

REPORT COLLECTIONS IN OTHER COUNTRIES

ARGENTINA

Buenos Aires, Comisión Nacional de Energía Atomica

AUSTRALIA

Canberra, National Library of Australia

Sutherland, New South Wales, Atomic Energy Research Establishment

AUSTRIA

Vienna, Zentralbibliothek der Physikalischen Institute der Universität

BELGIUM

Mol-Donk, Centre d'Etude de l'Energie Nucléaire

BRAZIL

Rio de Janeiro, Comissao Nacional de Energia Nuclear  
Sao Paulo, Instituto de Energia Atómica

CANADA

Chalk River, Ontario, Atomic Energy of Canada, Ltd., Chalk River

Hamilton, Ontario, McMaster University

Ottawa, National Research Council

CONGO, REPUBLIC OF

Kinshasa, Trico Nuclear Center

DENMARK

Risö, Danish Atomic Energy Commission

FINLAND

Otaniemi, Teknillinen Korkeakoulu

FRANCE

Saclay, Gif-sur-Yvette, Centre d'Etudes Nucléaires de Saclay

GERMANY, WEST

Karlsruhe, Zentralstelle für Atomkernenergie Dokumentation  
Munich, Technische Universität

GREECE

Athens, Nuclear Research Center, Democritus Library

INDIA

Bombay, Trombay, Bhabha Atomic Research Center Library

IRAQ, REPUBLIC OF  
Baghdad, Atomic Energy Commission, Nuclear Research Institute

IRELAND  
Dublin, University College

ISRAEL  
Yavne, Israel Atomic Energy Commission, Soreq Nuclear Research  
Centre

ITALY  
Rome, Centro di Studi Nucleari della Casaccia

JAPAN  
Tokyo, National Diet Library  
Tokai-Mura, Naka-gun, Ibaraki-ken, Japan Atomic Energy  
Research Institute

KOREA, REPUBLIC OF  
Seoul, Atomic Energy Research Institute

MEXICO  
Mexico, D. F., Comisión Nacional de Energía Nuclear

NETHERLANDS, THE  
Petten, Reactor Centrum Nederland  
The Hague, Bibliothek Octrooiraad

NORWAY  
Kjeller, Institutt for Atomenergi

PORTUGAL  
Sacavem, Junta de Energia Nuclear

SOUTH AFRICA, REPUBLIC OF  
Pretoria, Atomic Energy Board Library

SPAIN  
Madrid, Junta de Energia Nuclear, Ciudad Universitaria

SWEDEN  
Nyköping, Aktiebolaget Atomenergi Library

SWITZERLAND  
Zürich, Swiss Federal Institute of Technology

UNITED KINGDOM  
Harwell, Didcot, Berkshire, Atomic Energy Research Establishment

Appendix C

REPORT COLLECTIONS IN  
INTERNATIONAL AGENCIES



Appendix C

REPORT COLLECTIONS IN INTERNATIONAL AGENCIES

EUROPEAN ATOMIC ENERGY  
COMMUNITY (EURATOM)

Brussels, Belgium  
and

Ispra, Varese, Italy, Cetus Library

OECD NUCLEAR ENERGY  
AGENCY (NEA)

British Library Lending Division, Boston Spa, Wetherby,  
Yorkshire, England

INTERNATIONAL ATOMIC ENERGY  
AGENCY (IAEA)

Vienna, Austria

Appendix D

TECHNOLOGICAL SPINOFF  
DOCUMENTS RELEASED

TECHNOLOGICAL SPINOFF DOCUMENTS RELEASED

DOCUMENT NUMBER	TITLE	DATE OF RELEASE
1	APPLICATION OF PUNCHED CARD TECHNIQUES FOR OPTIMIZING RELIABILITY AUTHOR(S) - J.J.HOEFER, J.M.SWAFFORD	02/15/59
2	PRODUCTION OF A RELAY UNDER CONTROLLED CONDITIONS AUTHOR(S) - K.U.NEWTON	03/15/60
3	FUNDAMENTALS OF HYDROGEN THYRATRONS AUTHOR(S) - S.J.CATALANS	06/60
4	A THEORETICAL TREATMENT OF LOW VOLTAGE CONTINUOUS SPECTRUM X-RADIATION AUTHOR(S) - J.S.CARSON, N.K.HEARN	06/17/60
5	THE TARNISH RESISTANCE OF GOLD PLATING OVER SILVER AUTHOR(S) - W.B.HARDING	06/14/60
6	ADVANTAGES OF GLASS MICRO-BALLOONS AS FILLER MATERIAL AUTHOR(S) - F.R.WALTERBACH	08/10/60
7	CONDUCTIVE ADHESIVES-A SUBSTITUTE FOR SOLDER AUTHOR(S) - R.L.MARTIN	08/10/60
8	A VARIABLE PHASE, CONSTANT VSWR, ANTENNA LOAD AUTHOR(S) - T.J.RUSSELL	09/02/60
9	SEMICONDUCTOR FAILURE ANALYSIS USING THE CHARACTERISTIC CURVE AUTHOR(S) - R.A.HOLLADAY	09/29/60
10	AUDARE-A DEVICE FOR RECORDING DATA AUTHOR(S) - M.R.EASTERDAY	10/60
11	EFFECTS OF TEMPERATURE ON FILLED EPOXY ENCAPSULATION MATERIALS AUTHOR(S) - B.A.DAVIS	10/14/60
12	SURFACE PREPARATION OF PLASTICS FOR ADHESIVE BONDING AUTHOR(S) - L.C.JACKSON	11/02/60
13	A TRANSISTORIZED HIGH INPUT IMPEDANCE AMPLIFIER AUTHOR(S) - D.M.REED	12/60
14	ULTRASONIC SPOT WELD EVALUATION AUTHOR(S) - D.W.DRAYER	03/61
15	USES OF LOW VOLTAGE X-RAY TUBES WITH THIN BERYLLIUM WINDOWS AUTHOR(S) - H. CARTER	03/61
16	EFFECT OF DIISOCYANATE STRUCTURE ON LOAD-BEARING PROPERTIES OF FLEXIBLE URETHANE FOAMS AUTHOR(S) - C.A.PETERSON, C.H.SMITH	03/07/61
17	TOTAL PURCHASING DATA PROCESSING SYSTEM AUTHOR(S) - J.S.JACKSON	04/21/61
18	CONDUCTIVITY TESTING OR EDDY CURRENT TESTING WITH THE FM-100MAGNATEST CONDUCTIVITY METER AUTHOR(S) - W.A.GANQUIST	05/61
19	AN ANALG COMPUTER FOR DEVELOPMENT PROJECT SCHEDULING AUTHOR(S) - D.H.HAX	05/61
20	CAST FLEXIBLE URETHANE POLYMERS AUTHOR(S) - C.A.PETERSON, C.H.SMITH	07/61
21	DEGRADATION OF GLASS VACUUM TUBES AS A RESULT OF HELIUM PERMEATION AUTHOR(S) - J.J.RODE	07/10/61
22	A METHOD OF EXPOSURE CONTROL FOR ELECTRON MICROSCOPY AUTHOR(S) - G.F.OSBORNE	08/61
23	POTTING PROBLEMS RELATED TO PACKAGING DESIGN AUTHOR(S) - B.A.DAVIS	08/61
24	ELECTROPLATING ON TITANIUM AND TITANIUM ALLOYS AUTHOR(S) - W.B.HARDING	09/20/61
25	TEACH YOUR ENGINEERS TO DESIGN BETTER WITH ADHESIVES AUTHOR(S) - J.E.AUSTIN, L.C.JACKSON	10/61

DOCUMENT NUMBER	TITLE	DATE OF RELEASE
26	COMPUTERIZED QUALITY CONTROL AUTHOR(S) - G.M.COHAN	10/19/61
27	THE IMPEDANCE OF A COIL PLACED ON A CONDUCTING PLANE AUTHOR(S) - T.J.RUSSELL, V.E.SCHUSTER	10/26/61
28	RADAR ANTENNA TEST LOAD AUTHOR(S) - T.J.RUSSELL	11/61
29	WHY NOT MECHANIZE MAINTENANCE AUTHOR(S) - J.S.JACKSON	04/29/62
30	PERMEATION OF HELIUM INTO VACUUM TUBES AUTHOR(S) - J.J.RODE	05/62
31	COMPOSITE CHARACTERISTIC OF TWO TUNNEL DIODES IN SERIES AUTHOR(S) - F.A.SPIES	05/62
32	PHYSICAL PROPERTIES OF ELECTROFORMED NICKEL FROM SULFAMATE SOLUTIONS AUTHOR(S) - R.K.ASHER, W.B.HARDING	05/10/62
33	TOTAL PROCUREMENT SYSTEM PLAN AUTHOR(S) - J.S.JACKSON	05/31/62
34	TIMESAVING WITH A PARALLEL ANALYZING CHANNEL ATTACHMENT AUTHOR(S) - J.S.CARSON	06/11/62
35	GENERAL TECHNOLOGY OF ADHESIVES AUTHOR(S) - L.C.JACKSON	09/13/62
36	AUTOMATIC MEASURING OF TEMPERATURE COEFFICIENTS AUTHOR(S) - L.A.SCHLESSELMAN, E.M.SIEGGEN	11/62
37	THE ANALYSIS OF TIN-IRIDIUM-ZINC ALLOYS AUTHOR(S) - M.V.DAVIS, JR.	12/21/62
38	RIGID URETHANE FOAMS FROM E-CAPROLACTONE POLYESTERS AUTHOR(S) - C.H.SMITH	03/63
39	MODERN GAGE CONTROL AUTHOR(S) - L.F.TSCHECHTELIN	04/06/63
40	SOLDERING TO GOLD PLATING AUTHOR(S) - W.B.HARDING	05/27/63
41	AN EPOXY RESIN WITH IMPROVED ELECTRICAL PROPERTIES AUTHOR(S) - C.H.SMITH	07/63
42	BONDING FLUOROHALOCARBONS TO COPPER FOR ELECTRICAL APPLICATIONS AUTHOR(S) - L.C.JACKSON	11/63
43	A STANDARDS AND CALIBRATION PROGRAM IN A LARGE DEFENSE PLANT AUTHOR(S) - J.F.HADLEY	08/26/63
44	MANAGEMENT CONSIDERATIONS FOR CLEAN WORKING AREAS AUTHOR(S) - R.R.GRINER	09/63
45	EFFECTS OF SINTERING ATMOSPHERES ON THE ELECTRICAL AND CERAMIC PROPERTIES OF LEAD ZIRCONATE-LEAD TITANATE FERROELECTRICS AUTHOR(S) - R.H.DUNGAN, T.F.MURRAY	09/63
46	A SPECIMEN TO FILM GAUGE FOR THE BACK REFLECTION CAMERA AUTHOR(S) - G.F.OSBORNE	09/63
47	BINOMIAL SAMPLING PLANS INDEXED BY AQL AND LTPD AUTHOR(S) - R.L.KIRKPATRICK	09/63
48	STRUCTURAL STUDIES OF RIGID URETHANE FOAMS AUTHOR(S) - C.J.WIEGAND	09/30/63
49	ONE SIDED TOLERANCE LIMITS OF A NORMAL DISTRIBUTION BASED ON SAMPLE MEAN AND MEAN RANGE AUTHOR(S) - R.L.KIRKPATRICK	10/63
50	WRITING METAL FINISHING PROCESS SPECIFICATIONS AUTHOR(S) - W.B.HARDING	10/03/63
51	THE DETERMINATION OF THE ELECTROMOTIVE FORCE OF A SATURATED STANDARD CELL AUTHOR(S) - G.H.RHODES	11/12/63

DOCUMENT NUMBER	TITLE	DATE OF RELEASE
52	THE DESIGN AND ADVANTAGES OF AN AIR-ACCELERATED IMPACT MECHANICAL SHOCK MACHINE AUTHOR(S) - L.F.THORNE	11/19/63
53	ELONGATION AS A QUANTITATIVE MEASUREMENT AUTHOR(S) - E.P.PATTERSON	12/63
54	A PLANT ENGINEERING DISCIPLINE FOR CLEAN WORKING AREAS AUTHOR(S) - R.R.GRINER	03/64
55	BENEFITS ACCRUED TO HIGHLY PRECISE MANUFACTURE FROM CLEAN WORK POSITIONS AUTHOR(S) - R.R.GRINER	03/64
56	NEW POTENTIAL IN RIGID POTTING COMPOUNDS AUTHOR(S) - E.F.JACOBS, R.L.SADLER	04/22/64
57	WHAT CAN THE QUALITY ENGINEER EXPECT FROM MEASURING INSTRUMENTS AUTHOR(S) - R.W.BUTLER	03/22/64
58	TESTING PROBLEMS OF SPACE AGE PLASTICS AUTHOR(S) - F.E.LORMIS	03/24/64
59	THE AUTOMATIC BIAS AND FLUX-RESET OF A MAGNETIC MODULATOR AUTHOR(S) - J.L.TAYLOR	05/64
60	THERMOPLASTIC FRONTIER LAWS-GOOD AND BAD GUYS AUTHOR(S) - J.C.DALY	05/18/64
61	GETTING MORE OUT OF PLATING THROUGH PROCESS SPECIFICATIONS AUTHOR(S) - W.B.HARDING	07/01/64
62	PRODUCTION TESTING OF MAGNETIC CORE SHIFT REGISTER ELEMENTS AUTHOR(S) - K.D.BENEDICT	07/15/64
63	RESISTANCE MEASUREMENTS BY RATIO EMPLOYING VOLTAGE TO FREQUENCY CONVERTERS AUTHOR(S) - K.H.BRACKNEY	08/64
64	THE ANALYSIS OF AN INPUT BUFFER FOR REMOTE CONTROL OF LOGIC CIRCUITS AUTHOR(S) - H.G.THORPE	11/64
65	A CAST FLEXIBLE ESTER-URETHANE POLYMER AUTHOR(S) - C.H.SMITH	01/02/64
66	ELECTRODEPOSITION OF NICKEL-COBALT ALLOY: OPERATING PARAMETERS AND PHYSICAL PROPERTIES OF THE DEPOSITS AUTHOR(S) - D.W.ENDICOTT, J.R.KNAPP	09/64
67	A SINGLE PULSE PEAK READING VOLTMETER AUTHOR(S) - A.F.SCHMIDT	02/65
68	EFFECTS OF SURFACE PREPARATION ON BOND STRENGTHS OF MAGNESIUM AUTHOR(S) - L.C.JACKSON	03/10/65
69	THERMAL CHARACTERISTICS OF SOME RIGID URETHANE FOAMS AUTHOR(S) - C.H.SMITH	04/07/65
70	A NEW DEVELOPMENT IN POLYURETHANE ELASTOMER PROCESSING WHICH REDUCES CRACK SUSCEPTIBILITY AND BUBBLE ENTRAPMENT AUTHOR(S) - D.D.OSWALD	04/15/65
71	A SLOW TIME BASE READOUT SYSTEM FOR NON-REPETITIVE PULSE ANALYSIS AUTHOR(S) - C.E.THOMSON	05/65
72	A SENSITIVE, HIGH-SPEED, DC VOLTAGE COMPARATOR AUTHOR(S) - R.G.PIPER	05/65
73	SOLDERABILITY TESTING AUTHOR(S) - W.B.HARDING	07/65
74	POLYURETHANE CABLE FABRICATION FOR SMALL QUANTITIES AUTHOR(S) - W.P.MCKAY	02/65
75	EFFECT OF MOLECULAR STRUCTURE ON THE AGING PROPERTIES OF FLEXIBLE URETHANE FOAMS AUTHOR(S) - S.L.DEGISI, C.H.SMITH	09/15/65
76	TEST EQUIPMENT ACCURACY AUTHOR(S) - G.D.WINKLER	11/18/65
77	EVALUATION OF CARBONYL NICKEL AUTHOR(S) - R.G.KOGAN	09/65

DOCUMENT NUMBER	TITLE	DATE OF RELEASE
BDX-613-		
78	FOCUSING PRESSURE SHOCK WAVES IN LIQUID FOR EFFICIENT HYDROELECTRIC FORMING AUTHOR(S) - D.L.GIBSON, C.A.STEVENS	08/65
79	DESIGN OF A VARIABLE PHASE, CONSTANT VSWR, MICROWAVE LOAD AUTHOR(S) - T.J.RUSSELL	05/65
80	CONFIDENCE LIMITS ON A PROPORTION DEFECTIVE CHARACTERIZED BY TWO SPECIFICATION LIMITS AUTHOR(S) - R.L.KIRKPATRICK	07/65
81	A METHOD FOR INTERRUPTING A HIGH STRAIN RATE TENSION TEST BEFORE SPECIMEN FRACTURE AUTHOR(S) - C.B.BARNES, M.V.DAVIS, JR., E.L.HANKINS	11/01/65
82	GRAPHIC AID TO DESIGN OF SPLICED QUARTER-WAVE RESONANT LINES AUTHOR(S) - J.R.LEMBKE	05/65
83	A COEFFICIENT OF THERMAL EXPANSION CAN BE DESIGNED AUTHOR(S) - F.W.LAMAR	06/66
84	ANSWERS TO LOW-COST PRODUCTION PACKAGING AUTHOR(S) - D.A.RATHBUN	06/66
85	RADIUS GENERATION IN VIBRATORY DEBURRING AUTHOR(S) - G.V.ROBBINS	09/66
86	A TECHNIQUE FOR MINIMIZING SLOTTED LINE MEASUREMENT ERROR AUTHOR(S) - T.J.RUSSELL	04/65
87	COMPUTERIZED INTERPRETATION OF A DATA CHARACTERISTIC AUTHOR(S) - L.A.ELROD	03/66
88	ULTRASONICS AS A THICKNESS MEASURING TOOL AUTHOR(S) - D.W.DRAYER	09/62
89	SURFACE TEXTURE-MEASUREMENT OR CONFUSION AUTHOR(S) - F.M.SMITH	06/66
90	RADIUS GENERATION IN VIBRATING FINISHING AUTHOR(S) - G.V.ROBBINS	10/66
91	FLEXIBLE CABLE LACING AUTHOR(S) - D.W.BOWLEN, D. BRANSTETTER, L.S.CAMERON	10/66
92	COMPARATIVE DUCTILITY OF BRITTLE METALS BY A PRECISION ELONGATION TECHNIQUE AUTHOR(S) - E.P.PATTERSON	12/01/66
93	THE EFFECT OF HIGH-STRAIN-RATE FORMING ON THE RECRYSTALLIZATION OF COPPER AUTHOR(S) - D.L.GIBSON, C.A.STEVENS	08/65
94	EXPERIMENTAL INVESTIGATION OF A LOW VOLTAGE OPERATING MODE IN AN EPITAXIAL MESA AVALANCHE TRANSISTOR AUTHOR(S) - R.L.MORGAN	01/67
95	STRUCTURAL APPLICATION CHARACTERISTICS OF A RIGID URETHANE FOAM SYSTEM AUTHOR(S) - S.L.DEGISI, C.H.SMITH	10/66
96	HOW TO REPAIR CONNECTOR TRI-LOCK PINS AUTHOR(S) - W.P.MCKAY	07/67
97	PREVENTING FAILURES IN SOLDERING TERMINALS AUTHOR(S) - W.P.MCKAY	08/67
98	REPORT ON DEVELOPMENT OF INDUCTANCE STANDARDS AUTHOR(S) - H.E.SIMPSON	07/67
99	ZIPPED MANDRELS AUTHOR(S) - V.L.WILLERTON	12/67
100	FLUIDIZED BED COATING AUTHOR(S) - J.D.SHEELEY	12/67
101	A MICRODRILL LAPPING MACHINE AUTHOR(S) - E.F.KROLL	02/68
102	THE PROPERTIES OF ALUMINUM AND COPPER AFTER HIGH-ENERGY-RATE FORMING AUTHOR(S) - D.L.GIBSON, C.A.STEVENS	02/68
103	THE STRENGTHENING OF STEEL BY MARSTRAINING WITH HIGH-ENERGY-RATE FORMING EQUIPMENT AUTHOR(S) - D.L.GIBSON, C.A.STEVENS	02/68

DOCUMENT NUMBER	TITLE	DATE OF RELEASE
104	FEASIBILITY STUDY: PLATING THICKNESS GAGE AUTHOR(S) - F.J.BARKER	11/30/66
105	BORON TRIFLUORIDE-AMINE ADDUCTS AS HARDENERS FOR LIQUID EPOXY RESINS AUTHOR(S) - C.H.SMITH	04/68
106	PHYSICAL/CHEMICAL PROPERTIES OF RIGID URETHANE FOAM AUTHOR(S) - R.K.JUNGLING, T.E.NEET, C.H.SMITH	08/68
107	NONDESTRUCTIVE TESTING OF PERCUSSIVE ARC WELDS AUTHOR(S) - C.C.ESTEP, D.S.GENSER, W.J.STONE	12/68
108	SOLID LUBRICANT APPLICATION BY SPRAY AND TUMBLE METHODS AUTHOR(S) - F.A.CLAY	12/68
109	EPON 828/MENTHANE DIAMINE CURING FACTORS AUTHOR(S) - C.J.CAMP	12/68
110	TENSILE TESTING OF HIGH STRENGTH MATERIALS AUTHOR(S) - F.W.LAMAR	12/68
111	SMALL ANGLE GENERATOR AUTHOR(S) - R.J.RUSSELL	12/68
112	CARBON FOAM-A CELLULAR STRUCTURAL MATERIAL FOR HIGH TEMPERATURE APPLICATION AUTHOR(S) - G.K.BAKER, R.P.CHARTOFF, A.K.THOENI	02/69
113	JOINING HIGH-STRENGTH STEELS BY DIFFUSION BONDING AUTHOR(S) - A.M.BOSCH	02/69
114	COMPUTERIZED EXOTHERM CALCULATIONS FOR LARGE EPOXY CASTINGS AUTHOR(S) - D.D.SMITH	04/69
115	ELECTRODEPOSITION OF ALUMINUM AUTHOR(S) - F.A.CLAY, W.B.HARDING, C.J.STIMETZ	06/69
116	CHARACTERISTICS OF SKIP LOT SAMPLING AUTHOR(S) - R.L.KIRKPATRICK	07/69
117	SOLUTIONS FOR THE WAGR SEQUENTIAL T-TEST, SEQUENTIAL VARIABLES SAMPLING TO CONTROL THE PERCENT DEFECTIVE AUTHOR(S) - R.L.KIRKPATRICK	07/69
118	DESIGNING ADHESIVES AND ADHESIVE INTERFACES FOR OPTIMUM ELECTRICAL CONDUCTIVITY AUTHOR(S) - J.E.HESS, L.C.JACKSON	07/69
119	AN EVALUATION OF SCATTERING PARAMETER TECHNIQUES AS APPLIED TO FIELD-EFFECT TRANSISTOR CHARACTERIZATION AUTHOR(S) - J.R.LEMBKE	08/69
120	COULOMETRIC DETERMINATION OF INORGANIC HALIDE IMPURITIES IN POLYSTYRENE AFTER DISSOLUTION IN 2-BUTANONE AUTHOR(S) - W.R.CARROLL	09/69
121	MOLECULAR CHARACTERIZATION OF SILICONES BY GEL PERMEATION CHROMATOGRAPHY AUTHOR(S) - F.N.LARSEN	09/69
122	DESIGNING AND HOLDING MODULE HOUSINGS FOR ELECTRONIC PACKAGES AUTHOR(S) - W.P.MCKAY	10/69
123	TECHNIQUES IN USING POLYURETHANE MATERIALS FOR ENCAPSULATION AUTHOR(S) - W.P.MCKAY	10/69
124	EXOTHERM LOCATION CAN CAUSE PROBLEMS IN POTTING AUTHOR(S) - W.P.MCKAY	10/69
125	CHARACTERIZATION OF AN EPOXY FOAM AUTHOR(S) - H.M.MCILROY, C.H.SMITH	02/70
126	PERCUSSIVE ARC WELDING FOR ELECTRICAL ASSEMBLIES AUTHOR(S) - E.R.CHERAMY	02/70
127	INTERFEROMETER PRISM: PDR 187 AUTHOR(S) - M.P.SCHOEPPNER	02/70
128	LEAD WIRE SOLDERABILITY TEST AUTHOR(S) - W.W.TURNER	02/70
129	DEVELOPMENT OF INSTRUMENTATION FOR RELIABLE PERCUSSIVE ARC WELDING SYSTEMS AUTHOR(S) - I.V.PATTERSON	02/70

DOCUMENT NUMBER	TITLE	DATE OF RELEASE
130	PULSE SHAPER AND DRIVER CIRCUIT AUTHOR(S) - K.D.BENEDICT, D.E.RICHARDSON	03/70
131	SHORT CIRCUIT DETECTION WITH LIQUID CRYSTALS AUTHOR(S) - J.A.LOSURE	12/69
132	THERMAL PROPERTIES OF RIGID URETHANE FOAMS AUTHOR(S) - F.N.LARSEN, C.H.SMITH	02/70
133	SOLDERS FOR THICK GOLD PLATING AUTHOR(S) - D.H.BREWER	03/70
134	A NEW WIDE-RANGED DIRECT CURRENT CALIBRATION SOURCE AUTHOR(S) - L.D.WONNELL	04/70
135	BONDING STRENGTH OF ENCAPSULATING MATERIALS TO HOOKUP WIRE AUTHOR(S) - R.R.CROCKETT	06/69
136	A DISTORTION ENERGY FAILURE THEORY FOR ORTHOTROPIC MATERIALS AUTHOR(S) - G.W.FORMAN	06/70
137	A STRESS ANALYSIS OF THICK-WALL ORTHOTROPIC SPHERICAL VESSELS AUTHOR(S) - G.W.FORMAN	06/70
138	A MICROMETER SPECIMEN TRANSLATOR FOR FLUORESCENT X-RAY SPECTROSCOPY AUTHOR(S) - L.J.LAZARUS, J.P.STARKEY	08/70
139	DETERMINING PROPER THREAD ENGAGEMENT BY NOMOGRAPH AUTHOR(S) - W.P.MCKAY	07/70
140	PARALLEL GAP BRAZING AUTHOR(S) - L.E.CHANDLER, E.R.CHERAMY, J.F.GALBRAITH	07/70
141	FLATPACK REFLOW SOLDERING AUTHOR(S) - D.W.BOWLEN, E.L.HOLLINGSWORTH	08/70
142	DESIGN OF JOINTS FOR FILAMENT-WOUND CYLINDERS AUTHOR(S) - G.W.FORMAN	11/16/70
143	DESIGN AND DEVELOPMENT OF A THREE-DIMENSIONAL INTERLOCKED, FILAMENT-WOUND COMPOSITE AUTHOR(S) - G.W.FORMAN	11/16/70
144	THIRD-DIRECTION REINFORCEMENT OF CARBONIZED COMPOSITES AUTHOR(S) - H.F.DARBYSHIRE	10/05/70
146	DESIGN CONSIDERATIONS IN THE PRODUCTION OF STRIPLINE FERRITE CIRCULATORS AUTHOR(S) - D.E.KAUFMAN, J.L.TAYLOR	07/11/72
148	CONTINUOUS FOAM BILLET FABRICATION AUTHOR(S) - P.H.ALDRIK	10/21/70
153	MICROBONDING AND PACKAGING FOR HYBRID MICROELECTRONIC CIRCUITS AUTHOR(S) - B.J.DRISCOLL	07/24/72
155	BORON SHOT GRADING AND INSPECTING AUTHOR(S) - M.J.NAPIER	10/21/70
161	HIGH TEMPERATURE FLAT CABLES AUTHOR(S) - R.A.HILE, W.W.HILKER, H.D.MITCHELL, J.J.MOSAKOWSKI	05/21/71
166	TRANSFER MOLDING CLOSE TOLERANCE PARTS AUTHOR(S) - R.J.HISHAW	12/16/70
169	INFRARED REFLOW SOLDERING AUTHOR(S) - R.W.HUGHS	10/13/70
170	EFFECTS OF AMINE CATALYSTS ON THE PHYSICAL PROPERTIES OF A RIGID URETHANE FOAM SYSTEM AUTHOR(S) - T.E.NEET	10/13/70
177	SYNTACTIC FOAM EVALUATION AUTHOR(S) - D.D.SMITH	05/21/71
180	DETERMINATION OF FOAM DENSITY AUTHOR(S) - C.B.PETTIE	12/03/70
184	COMPARISON OF ORTHOGONAL CURVILINEAR COORDINATE SYSTEMS FOR MINIMUM ERROR AUTHOR(S) - S.R.DRAKE	07/15/71



DOCUMENT NUMBER	TITLE	DATE OF RELEASE
BDX-613-187	REQUIREMENTS FOR REFLOW SOLDERING OF INTEGRATED CIRCUIT FLATPACKS AUTHOR(S) - B.T.LAMPE	07/28/71
190	FILLED PAPER HONEYCOMB AUTHOR(S) - R.F.TAYLOR	06/18/71
194	BEAM LEAD SEMICONDUCTOR TESTING AND HANDLING AUTHOR(S) - L.W.SMITH	12/16/70
195 (REV.)	RIGID EPOXY FOAM ENCAPSULATION AUTHOR(S) - F.C.AYERS	07/19/74
198	SPLIT FIBERGLASS HOLDER AUTHOR(S) - H.F.DARBYSHIRE	01/14/71
204	ELECTRICAL CONNECTION STUDY AUTHOR(S) - R.D.WAGNER	02/22/71
205 (REV.)	MACHINE COOLANT SELECTION AND MAINTENANCE MANUAL AUTHOR(S) - V.A.LYONS	08/27/71
209	MEDIUM DENSITY MOLDED FOAM AUTHOR(S) - J.R.FENDER	10/13/70
213	DESIGN OF AN INSULATOR WHICH MUST SURVIVE HIGH G-FORCES AUTHOR(S) - V.J.GUZZO, L.F.THORNE	01/14/71
227 (REV.)	BORON SHOT FABRICATION AUTHOR(S) - M.J.NAPIER	12/21/71
229	A NEW TECHNIQUE FOR DETERMINING GAS DIFFUSIVITY IN HETEROGENEOUS MEDIA--PLASTIC FOAM AUTHOR(S) - W.M.LEE, D.W.LIOU	10/08/70
233	STATE OF CURE OF PRINTED CIRCUIT BOARDS AUTHOR(S) - K.C.ATKINSON, J.W.STEELE	02/22/71
234	WRITERS GUIDE TO THE PREPARATION OF ARTWORK FOR TECHNICAL REPORTS AUTHOR(S) - F.A.WALKER	07/28/71
236	ELECTROFORMED GILDING METAL ROTATING BAND AUTHOR(S) - R.A.HINES	05/21/71
242	ELECTROPOLISHING CVD TUNGSTEN AUTHOR(S) - A.H.RAHE	06/18/71
252	FILLED FOAM MANUFACTURING AND TESTING TECHNIQUES AUTHOR(S) - J.R.FENDER	12/16/70
253	SYNTACTIC FOAM, FY70-3 AUTHOR(S) - J.R.JOHNSTON	07/13/72
254+	AFAP REINFORCED COMPOSITE CASE (FY70-3) AUTHOR(S) - C.U.FOTOPOULOS	02/19/72
257	CONFORMAL-COATING AUTHOR(S) - W.F.MOYLE	02/22/71
259	THE EDITOR'S NOTEBOOK AUTHOR(S) - F.A.WALKER	11/06/72
261	TYPIST'S GUIDE TO BENDIX KANSAS CITY TECHNICAL REPORTS AUTHOR(S) - F.A.WALKER	01/26/72
265	CONFORMAL-COATING AUTHOR(S) - W.F.MOYLE	02/22/71
269	CHEMICAL VAPOR DEPOSITION PROCESS EQUIPMENT AUTHOR(S) - G.J.HALE	06/07/71
274	THE DETERMINATION OF AVERAGE CYCLE TIME FOR AN AUTOMATED WAREHOUSE AUTHOR(S) - J.C.SMITH	07/15/71
275	COMPUTER AIDED TEST SYSTEMS AUTHOR(S) - J.A.WALTERS	03/22/71
276	OPTOELECTRONIC MEASUREMENT AUTHOR(S) - R.M.HOWARD	03/22/71
279	DRILLING PRINTED CIRCUIT BOARDS AUTHOR(S) - L.K.GILLESPIE	01/26/72

DOCUMENT NUMBER	TITLE	DATE OF RELEASE
283	TRANSFER MOLDING OF CLOSE TOLERANCE PARTS AUTHOR(S) - R.J.HISHAW	05/21/71
286	CONFORMAL-COATING AUTHOR(S) - W.F.MOYLE	05/21/71
288 (REV.)	HIGH TEMPERATURE THERMAL INSULATION AUTHOR(S) - C.U.FOTOPOULOS	07/13/72
289 (REV.)	REINFORCED COMPOSITE CASE, FY70-4 AUTHOR(S) - C.U.FOTOPOULOS	05/11/72
291	INVESTMENT CASTING TO ENHANCE PRODUCIBILITY--A CASE STUDY AUTHOR(S) - W.E.CROMWELL	06/18/71
294	DESIGN EVALUATION OF INSULATOR PIN AUTHOR(S) - R.D.LOHR	03/71
300	POLYURETHANE FOAM MATERIAL AND PROCESS DEVELOPMENT AUTHOR(S) - J.R.FENDER	04/71
303 (REV.)	HIGH TEMPERATURE THERMAL INSULATION AUTHOR(S) - C.U.FOTOPOULOS	05/11/72
306+	CONFIRMATION OF A NAJET DRILLING TECHNIQUE FOR SMALL HOLES AUTHOR(S) - J.W.HENRY	08/16/71
309	INSPECTION OF FINE-PITCHED GEARS AUTHOR(S) - C.W.BERRY, JR.	02/22/71
310	POLYMERIC CO-DEPOSITION IN GOLD ELECTROPLATE AUTHOR(S) - M.V.DAVIS, JR.	02/22/71
313	HIGH TEMPERATURE THERMAL INSULATION AUTHOR(S) - C.U.FOTOPOULOS, G.L.KELSO	05/71
315	FAST RECOVERY TIME DIODE TESTING AUTHOR(S) - R.R.FLOWERS	03/71
316	MECHANICAL PRODUCTS QUARTERLY AUTHOR(S) - B.T.QUARTERLY	03/22/71
317	THE INCOMPLEAT STYLIST AUTHOR(S) - F.A.WALKER	07/28/71
320	ALUMINUM PULSE-ARC WELDING AUTHOR(S) - D.L.HOLLAR	03/71
321	ALUMINUM PULSE-ARC WELDING AUTHOR(S) - D.L.HOLLAR	03/71
324	SOLDERABILITY PROBLEMS CAUSED BY GOLD ELECTROPLATE AUTHOR(S) - M.V.DAVIS, JR.	02/22/71
326	FLATPACK INSTALLATION BY SINGLE-PROBE REFLOW SOLDERING AUTHOR(S) - D.W.BOWLEN	06/07/71
327	COMPRESSION MOLDING OF LAMINATES AUTHOR(S) - R.J.HISHAW, T.F.STEGMAIER	06/07/71
330	FLOW SOLDERING AND SUPPORTING PROCESSES AUTHOR(S) - W.F.MOYLE	06/07/71
333	PRESSURE AND TEMPERATURE GRADIENTS IN TRANSFER MOLDING OF ELECTRONIC ASSEMBLIES AUTHOR(S) - F.H.LEWIS	03/22/71
335	CARBON/CARBON HONEYCOMB AUTHOR(S) - W.C.RUTHERFORD	03/29/71
337 (REV.)	DIAGNOSIS OF MALFUNCTIONS IN COMPLEX ELECTRONIC ASSEMBLIES AUTHOR(S) - J.A.LOSURE	07/11/72
341	CONFORMAL COATINGS AUTHOR(S) - W.F.MOYLE	06/18/71
344	ELECTRONICS ENGINEERING QUARTERLY AUTHOR(S) - B.T.QUARTERLY	03/71
347	HIGH FREQUENCY PARAMETER TECHNIQUES AUTHOR(S) - D.C.MARTIN	03/71

DOCUMENT NUMBER	TITLE	DATE OF RELEASE
349	EVALUATION OF METHODS FOR COMPUTER-AIDED DESIGN OF TEST EQUIPMENT AUTHOR(S) - F. PAULIC III	07/28/71
353 (REV.)	PROCESSING OF THIN CELLULAR SILICONE SLABS AUTHOR(S) - P.H.ALDRIK	08/20/71
355	MEASUREMENT METHOD FOR POLYSTYRENE AUTHOR(S) - T. MATZKANIN	06/07/71
360 (REV.)	STRETCH EFFECTS ON LOAD DEFLECTION AND THICKNESS OF Y-3333 CELLULAR SILICONE SLABS AUTHOR(S) - P.H.ALDRIK	09/07/71
363 (REV.)	THICK-FILM NETWORKS AUTHOR(S) - G.A.SWARTZ	05/11/72
366	FINE-EDGE BLANKING AND PIERCING AUTHOR(S) - H.J.SEESE	07/15/71
369	THEORY AND OPERATION OF THE BENDIX MOLD HEATING AND COOLING EQUIPMENT AUTHOR(S) - R.H.FLOERSCH	07/15/71
374	COMPRESSION PLATENS FOR LOAD VERSUS DEFLECTION TESTING OF SILICONE ELASTOMERS AUTHOR(S) - G.W.EDMAN	07/28/71
375 (REV.)	A STUDY OF THE SHELF AGING CHARACTERISTICS OF Y-3333 CELLULAR SILICONE AUTHOR(S) - G.E.MARTINETTE	09/07/71
376	DNC COMMITTEE FINAL REPORT AUTHOR(S) - D.L.SETTER	07/28/71
380	A STUDY OF THE DIMENSIONAL STABILITY OF MOLDED MOLECULAR SIEVE SUPPORT DESICCANT AUTHOR(S) - J.E.HESS	03/29/71
382 (REV.)	FABRICATION OF MULTILAYER PRINTED WIRING BOARDS AUTHOR(S) - M.L.WILSON	09/26/72
386 (REV.)	MOISTURE CONTENT STUDY OF Y-3333 CELLULAR SILICONE AUTHOR(S) - G.W.EDMAN	08/12/71
387 (REV.)	DEVELOPMENT OF ELASTOMER CUSHIONS AUTHOR(S) - G.W.EDMAN	08/29/71
388	A STUDY OF THE COMPRESSION SET CHARACTERISTICS OF CELLULAR SILICONE SUBJECTED TO ABNORMALLY HIGH STRAIN AUTHOR(S) - P.H.ALDRIK	08/20/71
390 (REV.)	A STUDY OF THE FUNCTIONAL CAPABILITIES OF AN AIR-BEARING COMPRESSION TEST FIXTURE AUTHOR(S) - G.E.MARTINETTE	08/12/71
391 (REV.)	A STUDY OF THE FUNCTIONAL CAPABILITIES OF A TOTAL AREA LOADING COMPRESSION TEST FIXTURE AUTHOR(S) - G.E.MARTINETTE	08/12/71
392 (REV.)	LIQUID PROCESSING OF MOLDED DESICCANT AUTHOR(S) - B.A.HEFNER	04/13/72
393 (REV.)	DEVELOPMENT OF ELASTOMER CUSHIONS, FY71-3 AUTHOR(S) - G.W.EDMAN	05/11/72
395	PERCUSSIVE-ARC VERSUS PULSE-ARC WELDING AUTHOR(S) - D.L.HOLLAR	07/15/71
402 (REV.)	ELECTRICAL CONTACT SURFACE TREATMENT AUTHOR(S) - G.A.WILLIAMS	08/09/71
404	QUALITY DIVISION QUARTERLY AUTHOR(S) - B.T.QUARTERLY	07/15/71
405	THE BLENDING OF SEVEN LOTS OF MERTINAMIDE L-425 FOR USE IN THE M300 ADHESIVE AUTHOR(S) - G.K.BAKER	03/71
406	THERMAL PROPERTIES OF LACTONE ESTER-BASED RIGID URETHANE FOAMS AUTHOR(S) - C.H.SMITH	05/03/71
407	THE SYNTHESIS OF A LOW-DENSITY RIGID EPOXY FOAM AUTHOR(S) - W.E.RICHARDSON	06/18/71

DOCUMENT NUMBER	TITLE	DATE OF RELEASE
BDX-613-		
408	PROPERTIES OF PLASMA-SPRAYED ALUMINUM COATING AUTHOR(S) - J.H.KUEHNLE	03/71
410	LINING OF COMPRESSION SET TEST FIXTURES AUTHOR(S) - N.J.CHAIT	03/71
412	THE REFERENCE ELECTRODE AND ITS USE IN DETERMINING INDIVIDUAL ELECTRODE POTENTIALS AUTHOR(S) - P.E.KLINGSPOHN	08/20/71
414	CVD SCALING STUDY AUTHOR(S) - N.E.MILLER, P.F.STABLEIN, JR.	03/22/72
415	ELEMENTARY RELATIONSHIPS OF WORKER EFFICIENCY TO THE WORK ENVIRONMENT AUTHOR(S) - D.A.YOUNGBERG	08/12/71
422	ELECTROPOLISHING OF CHEMICAL VAPOR DEPOSITED TUNGSTEN AUTHOR(S) - A.H.RAHE, P.F.STABLEIN, JR.	06/71
427	ELECTRICAL TERMINATIONS: WELDED, BRAZED AND BONDED AUTHOR(S) - D.E.STITTSWORTH	08/27/71
430	ELECTROCHEMICAL STUDIES OF THE GOLD-COPPER ELECTROPLATING BATH AUTHOR(S) - M.J.NAPIER	12/21/71
431	ELECTRONIC ENGINEERING QUARTERLY AUTHOR(S) - B.T.QUARTERLY	07/15/71
433	SPIRAL WRAP: A TECHNIQUE FOR FABRICATING THICK-WALL CARBON COMPOSITES AUTHOR(S) - E.R.FRYE, J.C.MCCOY, J.W.STEELE	12/21/71
440 (REV.)	DEVELOPMENT OF ELASTOMER CUSHIONS, FY69-4 AUTHOR(S) - R.M.GREEN	07/13/72
442	LINE OF BALANCE ACCURACY AUTHOR(S) - S.F.CLAGGETT	01/26/72
443	SOLDER LEVELING OF PRINTED WIRING BOARDS AUTHOR(S) - W.A.MULHOLLAND	06/07/71
447	SURFACE FRICTION CHARACTERISTICS OF SILICONE RUBBER PADS AUTHOR(S) - D.L.HORNBACK	07/28/71
451	VISUAL AND ELECTRICAL INSPECTION OF MINIATURE RADARS AUTHOR(S) - W.P.BECK	08/27/71
454	ELECTROFORMED NICKEL MOLD INSERTS AUTHOR(S) - R.D.ROBINSON	12/15/71
456	COMPUTER SIMULATION MODELING OF AN AUTOMATED WAREHOUSE SYSTEM AUTHOR(S) - J.C.SMITH	07/11/71
458 (REV.)	DEVELOPMENT OF ELASTOMER CUSHIONS AUTHOR(S) - G.E.MARTINETTE	08/12/71
460*	MATERIALS ENGINEERING QUARTERLY AUTHOR(S) - B.T.QUARTERLY	04/27/72
463*	SCS CASE AUTHOR(S) - D.G.SCHILLING	08/20/71
465 (REV.)	SOLDER LEVELING APPLIED TO MANUFACTURING AUTHOR(S) - W.H.HALL	07/13/72
472	ELECTRICAL TERMINATIONS: WELDED, BRAZED, AND BONDED, FY71-4 AUTHOR(S) - D.E.STITTSWORTH	12/21/71
480*	PLASTIC PRODUCTS ENGINEERING QUARTERLY AUTHOR(S) - B.T.QUARTERLY	03/13/72
485 (REV.)	MATERIAL AND PROCESS DEVELOPMENT OF POLYURETHANE FOAM, FY71-4 AUTHOR(S) - J.R.FENDER	10/06/72
493 (REV.)	DEVELOPMENT OF ELASTOMER CUSHIONS, FY71-4 AUTHOR(S) - G.W.EDMAN	10/06/72
496	PHOTOFABRICATION PROCESSES FOR PRINTED CIRCUITS AUTHOR(S) - R.B.HEDRICK	11/17/72
499	AUTOMATED ANALYSIS OF HYPOPHOSPHITE IN ELECTROLESS NICKEL SOLUTIONS AUTHOR(S) - L.L.LANTZ	11/10/71

DOCUMENT NUMBER	TITLE	DATE OF RELEASE
500	PLATING UNIFORMITY AUTHOR(S) - L.L.LANTZ	11/10/71
502 (REV.)	THIN INSULATOR SHAPES AUTHOR(S) - J.C.DALY	07/13/72
505	SOLDER SPLATTER CAUSED BY OUTGASSING HOLES IN PRINTED WIRING BOARDS AUTHOR(S) - M.E.EVANS, B.T.LAMPE, C.L.LONG, R.B.SNELT	09/20/71
506	SYNTHESIS OF TOLUENE DIISOCYANATE DIMER (TODI) AUTHOR(S) - G.K.BAKER, B.C.COLE, R.K.JUNGLING, L.E.LACY, W.E.RICHARDSON	09/07/71
507	THE BEGGS MMD TEST FOR DETERMINING THE SHELF LIFE OF FILM ADHESIVE AUTHOR(S) - R.L.BEGGS, C.J.CAMP	09/07/71
508	AN EVALUATION OF COMMERCIAL POLYARYL POLYISOCYANATES IN A BENDIX KANSAS CITY FOAM SYSTEM AUTHOR(S) - J. SALARY	09/07/71
509	A DESCRIPTION OF VARIOUS METHODS OF PREPARING POLYAMIC ACIDS AND POLYIMIDES AUTHOR(S) - D.R.ANSLEY, J.C.DALY, E.L.JOHNSON	09/07/71
510	QUANTITATIVE ADJUSTMENTS FOR PERCENT DEFECTIVES IN NON-NORMAL DISTRIBUTIONS AUTHOR(S) - R.L.KIRKPATRICK	11/10/71
512	STRESS-CRACKING AND FRACTURE TOUGHNESS OF POLYCARBONATE MATERIAL AUTHOR(S) - F.W.LAMAR	11/10/71
515 (REV.)	EFFECT OF SODIUM HYDROXIDE ON ALUMINUM FOIL THICKNESS AUTHOR(S) - G.W.BENGTSON	07/18/72
518 (REV.)	PROCESSING EVALUATION OF MAGNETIC PRODUCTS AUTHOR(S) - W.F.MOYLE	09/27/72
522	EVALUATION OF FOAM MIXING MACHINES AUTHOR(S) - R.F.HETZLER	12/22/71
525	AFT SUPPORT MACHINED FROM TITANIUM AUTHOR(S) - J.H.ROBB	09/20/71
527	RAPID VISUAL SCANNING SYSTEMS FOR PCB'S, FY71-2 AUTHOR(S) - R.D.TAYLOR	11/12/71
528	CHARACTERIZATION OF FILM ADHESIVES AUTHOR(S) - K.C.ATKINSON	12/22/71
531	A STUDY OF POLYETHER-POLYOL-AND POLYESTER-POLYOL-BASED RIGID URETHANE FOAM SYSTEMS AUTHOR(S) - G.K.BAKER, J.P.MADDEN, C.H.SMITH	09/20/71
532	EFFECT OF VOIDS ON THE COMPRESSIVE STRENGTH OF MOLDED RIGID URETHANE FOAM AUTHOR(S) - D.J.CARUTHERS, C.H.SMITH	09/20/71
534 (REV.)	EVALUATION OF HIGH TEMPERATURE DIELECTRICS AUTHOR(S) - J.C.DALY	11/21/73
535+	HOT GAS MOLDING OF POLYSTYRENE FOAM AUTHOR(S) - D.L.RICE, G.F.WATKINS	02/10/72
536	CONFORMAL COATING FY71-3 AUTHOR(S) - W.F.MOYLE	11/12/71
537	MIXING HEAD FOR URETHANE FOAM METERING AND MIXING MACHINES AUTHOR(S) - J.R.FENDER	11/10/71
538	RAPID VISUAL SCANNING SYSTEMS FOR PCB'S, FY72-1 AUTHOR(S) - R.D.TAYLOR	11/12/71
540 (REV.)	DIRECT NUMERICAL CONTROL OF MACHINE TOOLS AUTHOR(S) - G.L.FINLAY	07/11/72
543 (REV.)	HIGH-DENSITY BRAID CABLE SHIELD, FY72-1 AUTHOR(S) - J.F.GALBRAITH	07/13/72
544	ELECTRICAL TERMINATIONS WELDED, BRAZED AND BONDED, FY72-1 AUTHOR(S) - D.E.STITTSWORTH	11/20/72
547	PHOTOGRAMMETRIC GAGING AUTHOR(S) - T. MATZKANIN	11/12/71

DOCUMENT NUMBER BDX-613-	TITLE	DATE OF RELEASE
552	ULTRAPRECISION TOOL GRINDING AUTHOR(S) - D.S.BARTEL	09/27/72
553 (REV.)	MATERIAL AND PROCESS DEVELOPMENT OF POLYURETHANE FOAM, FY72-1 AUTHOR(S) - J.R.FENDER	10/06/72
559	RUST PREVENTION IN TOOL STORAGE AREAS AUTHOR(S) - S.W.BANDLER	11/21/73
561 (REV.)	NONDESTRUCTIVE TESTING OF PERCUSSIVE ARC WELDS AUTHOR(S) - K.O.COX	02/13/73
562 (REV.)	MECHANICAL AND PHYSICAL PROPERTIES OF ORGANIC FOAM AUTHOR(S) - F.E.LORMIS	05/15/72
563 (REV.)	INSPECTION OF FINE-PITCHED GEARS AUTHOR(S) - C.W.BERRY, JR.	05/15/72
564+	IN-LOT VARIATIONS IN POLYSTYRENE EXPANDABLE BEADS AND BEAD FOAM AUTHOR(S) - R.W.PALMER	02/10/72
576	MACHINING MINIATURE SLOTS AND FILLETS AUTHOR(S) - L.K.GILLESPIE	04/21/72
577	STRAIN HARDENING EXPONENT FOR 17-4 PH STAINLESS STEEL AUTHOR(S) - J.R.MULKEY	12/22/71
578	VOLATILE LOSS IN POLYSTYRENE FOAM AUTHOR(S) - D.J.FOSSEY, C.E.ROEBUCK	12/22/71
579 (REV.)	AUTOCLAVE FABRICATION TECHNIQUES FOR FLAT CABLES AUTHOR(S) - J.D.SHEELEY	07/13/72
582 (REV.)	FABRICATION OF POLYIMIDE SYNTACTIC FOAM PARTS AUTHOR(S) - H.M.MCILROY	05/15/72
585	BIBLIOGRAPHY: MACHINING MINIATURE PARTS AND MINIATURE FEATURES AUTHOR(S) - L.K.GILLESPIE	01/26/72
593	DURBURRING: A BIBLIOGRAPHY AUTHOR(S) - L.K.GILLESPIE	01/26/72
601 (REV.)	AN INVESTIGATION OF INTERNAL CAVITY PRESSURE FOR INJECTION-MOLDED POLYCARBONATES AUTHOR(S) - P.C.BLACK	07/24/72
602 (REV.)	HAND TOOL FOR INSTALLING SOLDER FORMS OVER COMPONENT LEADS AUTHOR(S) - D.W.BOWLEN	05/15/72
604 (REV.)	DETERMINATION OF SEMICONDUCTOR JUNCTION PROFILES BY ANGLE LAPPING OF SEMICONDUCTOR WAFERS AUTHOR(S) - E.L.RAUCH	07/13/72
607 (REV.)	HELICAL TAPE WINDER AUTHOR(S) - J.D.ALEXANDER	07/18/72
613 (REV.)	ELECTRICAL TERMINATIONS: WELDED, ERAZED AND BONDED, FY72-2 AUTHOR(S) - D.E.STITTSWORTH	12/15/72
614	BEAM LEAD SEMICONDUCTOR TESTING AND FAILURE ANALYSIS AUTHOR(S) - L.W.BROWN, L.W.SMITH	03/15/72
615	PROTECTIVE COATINGS FOR URANIUM-NIOBIUM ALLOYS AUTHOR(S) - N.T.PANOUSIS	03/15/72
616	SOLDER LEVELING AUTHOR(S) - W.A.MULHOLLAND	03/15/72
637	BENDIX KANSAS CITY ELECTRICAL TERMINATION WELDING HANDBOOK AUTHOR(S) - D.E.STITTSWORTH, A.K.THQENI	05/15/72
642 (REV.)	THERMAL SHOCK DEBURRING AUTHOR(S) - R.E.HARRIS, J.H.KUEHNLE	07/11/72
648	A SUSPENDED METAL MASK FOR THICK-FILM PRINTING AUTHOR(S) - G.A.SWARTZ	07/11/72
649	EFFECTS OF GEOMETRY ON THICK-FILM RESISTORS AUTHOR(S) - G.A.SWARTZ	07/11/72

DOCUMENT NUMBER	TITLE	DATE OF RELEASE
BDX-613-		
650	PHOTOMASK MEASURING SYSTEMS AUTHOR(S) - A. LAUDEL, JR.	07/11/72
651	DEPOSITION OF CHROMIUM BY RADIO FREQUENCY SPUTTERING AUTHOR(S) - R.W.PIERCE, JR.	07/11/72
652	PLATED-THROUGH HOLES BY PLASMA-ENHANCED DEPOSITION AUTHOR(S) - A. LAUDEL, JR.	07/11/72
653	PHOTORESIST CHARACTERIZATION METHOD FOR HYBRID MICROCIRCUITS AUTHOR(S) - L.E.SCHANTZ	07/11/72
654	INPUT AND OUTPUT DEVICES FOR A COMPUTERIZED MASK-MAKING SYSTEM AUTHOR(S) - L.R.SHEETS	07/11/72
662	ELECTRICAL TERMINATIONS: WELDED, BRAZED, AND BONDED, FY72-3 AUTHOR(S) - D.E.STITTSWORTH	07/13/73
664	REQUIREMENTS FOR REFLOW SOLDERING OF INTEGRATED CIRCUIT FLATPACKS AUTHOR(S) - B.T.LAMPE	04/72
667	FILAMENT WINDING INITIAL DEVELOPMENT AUTHOR(S) - G.F.KORACH, R.W.PALMER	04/21/72
670	PREVENTION OF TIN-LEAD OVERHAND IN PLATED COPPER-CLAD PRINTED WIRING BOARDS AUTHOR(S) - P.L.SWISHER	03/06/73
676 (REV.)	SEMI-RIGID COAXIAL CVR/CABLE, FY72-3 AUTHOR(S) - K.D.ALMQUIST	10/06/72
678	HYBRID MICROCIRCUIT PHOTOLITHOGRAPHIC PROCESS AUTHOR(S) - L.E.SCHANTZ	09/19/73
687	CABLE FABRICATION AND ENCAPSULATION PROCESS IMPROVEMENTS, FY72-3 AUTHOR(S) - T.J.HUSBY	11/20/72
690*	HIGH-DENSITY BRAID CABLE SHIELDS, FY72-3 AUTHOR(S) - J.F.GALBRAITH	11/06/72
692 (REV.)	DRY MIXING OF MOLDED DESICCANT AUTHOR(S) - W.J.NICHOLSON	12/15/72
697 (REV.)	ROLAMITE SENSORS AUTHOR(S) - C.W.BERRY, JR.	02/16/73
703	LASER INTERFEROMETER SCALING COUNTER AUTHOR(S) - L.D.WONNELL	07/11/72
704	A QUANTITATIVE STUDY OF THE SPECTRAL DISTRIBUTION OF LOW ENERGY X-RAY DEVICES AUTHOR(S) - R.V.HECKMAN	07/11/72
705 (REV.)	LOW TEMPERATURE PROPERTIES OF GENERAL ELECTRIC LEXAN 8070-112 THIN POLYCARBONATE FILM AUTHOR(S) - L.J.LAZARUS	10/06/72
708 (REV.)	OPTIMIZING MINIATURE CYLINDRICAL PIECEPART MACHINING CAPABILITIES AUTHOR(S) - J.M.ROBB	08/03/73
712+	FABRICATION OF FAILSAFE PRESSURE VESSELS AUTHOR(S) - W.C.RUTHERFORD	06/24/74
713 (REV.)	SURFACE ENERGETICS OF CONFORMAL COATINGS AUTHOR(S) - L.C.JACKSON	05/04/73
716 (REV.)	QUALIFICATION OF MINIATURE INTERNAL THREADS USING AIR FLOW AUTHOR(S) - C.W.BERRY, JR.	05/04/73
718*	MATERIAL AND PROCESS DEVELOPMENT OF POLYURETHANE FOAM, FY72-3 AUTHOR(S) - J.R.FENDER	03/08/73
720+	AN EXPLODING BRIDGEMIRE SIMULATOR USING THE SCEPTRE CIRCUIT ANALYSIS PROGRAM AUTHOR(S) - J.R.LEMBKE	08/24/72
724	LASER BALANCING OF VERGE AND SHAFT ASSEMBLIES AUTHOR(S) - C.P.DOBSON	07/11/72
728	TRIMMABLE FILM RESISTORS AUTHOR(S) - T.F.BARNARD	11/20/72

DOCUMENT NUMBER BDX-613-	TITLE	DATE OF RELEASE
735 (REV.)	VIBRATORY DEBURRING AUTHOR(S) - L.K.GILLESPIE	03/29/74
738	NONMETALLIC TOOLING CAPABILITIES AND ECONOMICS, FY72-4 AUTHOR(S) - R.W.FREUND	11/20/72
739	SOLDER LEVELING AUTHOR(S) - W.A.MULHOLLAND	12/20/72
740	CABLE FABRICATION AND ENCAPSULATION PROCESS IMPROVEMENTS, FY72-4 AUTHOR(S) - T.J.HUSBY	11/20/72
742	FLUID FLOW ANALYSIS IN THE MOLD HEATING AND COOLING LOOP AUTHOR(S) - R.H.FLOERSCH	11/20/72
760 (REV.)	THIN-FILM HYBRID MICROCIRCUIT SUBSTRATE METALLIZATION AUTHOR(S) - N.V.FORTE	11/21/73
767	A DIGITAL FREQUENCY MEASURING SYSTEM FOR PULSED RF DEVICES AUTHOR(S) - L.C.BEOUGHER	08/28/72
769+	DYNAMIC TESTING OF EXPLODING BRIDGEWIRES AUTHOR(S) - J.R.LEMBKE	01/12/72
773	ELECTRICAL TERMINATIONS: WELDED, BRAZED, AND BONDED, FY72-4 AUTHOR(S) - D.E.STITTSWORTH	05/04/73
775	CABLE FABRICATION AND ENCAPSULATION, FY73-1 AUTHOR(S) - T.J.HUSBY	03/06/73
776 (REV.)	HIGH-DENSITY BRAID CABLE SHIELDS, FY72-4 AUTHOR(S) - H.J.EDWARDS, JR.	03/06/73
778	NONMETALLIC TOOLING CAPABILITIES AND ECONOMICS, FY73-1 AUTHOR(S) - R.W.FREUND	03/23/73
779	BEAM LEAD DEVICES AND THE HMC MANUFACTURER AUTHOR(S) - R.E.MARKLEY	10/06/72
783	INVESTIGATION OF KNITTED FABRICS AUTHOR(S) - R.F.TAYLOR	10/22/73
791+	FINAL REPORT ON MOTION SENSORS AUTHOR(S) - W.C.MONDAY, V.V.SMITH	10/24/72
793 (REV.)	CLEANING AND ASSEMBLY TECHNIQUES, FY73-1 AUTHOR(S) - M.L.WADDELL	02/16/73
797	MATERIAL AND PROCESS DEVELOPMENT OF POLYURETHANE FOAM, FY73-1 AUTHOR(S) - J.R.FENDER	05/21/73
804	NUMERICALLY-CONTROLLED ASSEMBLY AUTHOR(S) - R.W.HUGHS	02/16/73
805	GOLD PLATING AUTHOR(S) - C.J.STIMETZ	05/21/73
812	TESTING FOR MATERIAL FLAWS AND THERMAL DESIGN DEFECTS USING HOLOGRAPHIC INTERFEROMETRY AUTHOR(S) - W.P.SCHÖEPNER	12/15/72
813	NONLIN: A COMPUTER PROGRAM FOR LEAST SQUARES ESTIMATION OF NONLINEAR PARAMETERS AND APPLICATIONS AUTHOR(S) - B.J.NEAL	03/06/73
814	DETERMINATION OF HOLE LOCATION ON PRINTED CIRCUIT BOARDS AUTHOR(S) - R.D.TAYLOR	03/06/73
815	JUNCTION FIELD EFFECT TRANSISTOR DEGRADATION CAUSED BY ELECTROSTATIC DISCHARGE AUTHOR(S) - W.J.KIRK, JR.	12/22/72
820 (REV.)	LASER REMOVAL OF DIELECTRIC FROM FLAT CABLES AUTHOR(S) - R.T.HORN	04/24/74
821 (REV.)	MOISTURE EFFECTS ON THERMOSET MOLDING COMPOUNDS AUTHOR(S) - J.M.CONWAY	03/06/73
824 (REV.)	THE CREATION OF LARGE CASTINGS BY THE INVESTMENT PROCESS AUTHOR(S) - W.E.CROMWELL	03/06/73



DOCUMENT NUMBER	TITLE	DATE OF RELEASE
BDX-613-		
825	RECOMMENDED SCREW TORQUES FOR 0.6, 0.8, AND 1.0 UNIFIED NATIONAL MINIATURE THREADS AUTHOR(S) - C.W.ELDER, JR.	09/19/73
827	FILAMENT WINDING A THIN-WALL FIBERGLASS HEMISPHERE AUTHOR(S) - D.C.BRUEGGE	06/04/73
839 (REV.)	FLATPACK SOLDERING TO SOLDER-LEVELLED PRINTED WIRING BOARDS AUTHOR(S) - R.S.MORRIS	11/21/73
842 (REV.)	CHARACTERIZATION OF CONATHANE EN-4 URETHANE RESIN AUTHOR(S) - D.J.CARUTHERS	08/03/73
844 (REV.)	DESIGN OF A WIRE TENSIONING DEVICE AUTHOR(S) - J.O.BRADLEY	08/03/73
859 (REV.)	SOLUBILITY PARAMETER TECHNOLOGY AND EVAPORATIVE RATE ANALYSIS USED TO EVALUATE CONTAMINANTS AUTHOR(S) - L.C.JACKSON	06/04/73
860	BONDING DEGRADATION IN THE TANTALUM NITRIDE-CHROMIUM-GOLD METALLIZATION SYSTEM AUTHOR(S) - H.B.BONHAM, N.T.PANOUSIS	03/30/73
863	HOLE FINISH CONTROL IN 4330 VANADIUM MODIFIED STEEL AUTHOR(S) - D.A.MITCHELL	05/21/73
865 (REV.)	ALUMINUM PLATING GRAPHITE FIBERS AND BERYLLIUM WIRE AUTHOR(S) - F.A.CLAY	08/09/73
866 (REV.)	CHEMICAL VAPOR DEPOSITION OF ALUMINUM AUTHOR(S) - F.A.CLAY	08/09/73
868	DEEP DRAWN STAINLESS STEEL COVERS AUTHOR(S) - R.E.MITCHELL	03/23/73
869	FABRICATION OF OPEN CELL POLYETHYLENE FOAM AUTHOR(S) - D.J.FOSSEY	03/23/73
870	EFFECT OF AMINE CATALYST ON COMPRESSIVE PROPERTIES OF URETHANE FOAM AUTHOR(S) - S.L.DEGISI, T.E.NEET	03/23/73
871	STRENGTH MEASUREMENTS ON TRANSISTOR HEADER LEAD WELDS AUTHOR(S) - L.W.SIEVER	03/23/73
872	HEAT TREATMENT OF 6AL-4V TITANIUM FORGINGS TO OBTAIN HIGH YIELD STRENGTH AUTHOR(S) - J.H.KUEHNLE	03/23/73
873	DETERMINING TRACE METALS IN GOLD DEPOSITS AND PLATING BATHS AUTHOR(S) - L.L.LANTZ	03/23/73
874	ALUMINUM PLATING OF BERYLLIUM WIRE AUTHOR(S) - F.A.CLAY	03/23/73
875 (REV.)	ELECTRODEPOSITION OF ALUMINUM FROM ETHER-HYDRIDE SOLUTIONS AUTHOR(S) - F.A.CLAY	11/21/73
877	MICROHM DECADE RESISTOR AUTHOR(S) - G.E.KATER	05/21/73
878	DIFFERENTIAL PRESSURE MERCURY MANOMETER AUTHOR(S) - R.J.RUSSELL	03/23/73
879 (REV.)	TRANSDUCER FOR GAGING PRESSURE-SENSITIVE PARTS AUTHOR(S) - M.G.EBY	10/09/74
882	PRECISION FREQUENCY MULTIVIDER AUTHOR(S) - L.R.FOULK	03/23/73
885	ECONOMIC IMPROVEMENT OF INVENTORY SAMPLING AUTHOR(S) - C.D.RINKER	07/25/73
887 (REV.)	REMOVAL OF INSULATION FROM MULTICONDUCTOR WIRE TAPE USING A CARBON DIOXIDE LASER AUTHOR(S) - R.T.HORN	04/30/74
888 (REV.)	ULTRASONIC WELDING OF NYLON CELL CASES ON A NICKEL CADMIUM BATTERY AUTHOR(S) - G.W.BENGTSON	08/09/73
897	CHARACTERIZATION AND SCHEDULE DEVELOPMENT FOR GOLD-RIBBON HYBRID-MICROCIRCUIT CROSSOVERS AUTHOR(S) - D.L.WILLYARD	07/25/73

DOCUMENT NUMBER	TITLE	DATE OF RELEASE
8DX-613- 904	LINEAR TRANSDUCER TIP PRESSURE CHECKER AUTHOR(S) - E.B.COOPER	07/13/73
909	CABLE FABRICATION AND ENCAPSULATION PROCESS IMPROVEMENTS, FY73-3 AUTHOR(S) - T.J.HUSBY	08/30/73
910 (REV.)	IMPROVED DENSITY CONTROL OF MOLDED DESICCANTS AUTHOR(S) - J.M.CONWAY	08/30/73
914 (REV.)	WOVEN-WIRE TAPE VENDOR DEVELOPMENT FY73-3 AUTHOR(S) - D.H.CHAMBERS	09/19/73
921	DELIQUESCENT-CHEMICAL MAXIMUM HUMIDITY INDICATOR AUTHOR(S) - W.B.ABEL	06/04/73
926	VIBRATION ANALYSIS AUTHOR(S) - C.W.BERRY, JR.	12/12/73
927 (REV.)	DEVELOPMENT OF A SELF-CONTAINED LAMINATING FIXTURE AUTHOR(S) - J.D.SHEELEY	05/29/74
930 (REV.)	EFFECTS OF MOISTURE UPON SPIRAL FLOW IN THERMOSET MOLDING COMPOUNDS AUTHOR(S) - J.M.CONWAY	08/03/73
931 (REV.)	PROTECTION OF GLASS TUBES IN EPOXY ENCAPSULATION AUTHOR(S) - J.W.STEELE	03/29/74
932	PANTOGRAPH POSITIONING SYSTEM FOR INSPECTING MICROCIRCUITS AUTHOR(S) - R.D.TAYLOR	07/25/73
933	LASER CENTERING DETECTOR AUTHOR(S) - L.D.WONNELL	08/03/73
936	JOINING MAGNETIC ALLOY 49FE-49CO-2V TO 304L STAINLESS STEEL AUTHOR(S) - D.M.JARBOE	08/03/73
938	LOW DENSITY FOAMS FOR VACUUM INSULATION AUTHOR(S) - W.E.RICHARDSON	11/21/73
941	RISE-RATE TESTING OF URETHANE FOAMS AUTHOR(S) - T.E.NEET	08/30/73
942	OMNI-DIRECTIONAL ILLUMINATION FOR PRINTED CIRCUIT BOARD INSPECTION AUTHOR(S) - R.D.TAYLOR	08/03/73
944 (REV.)	IMPACT TESTING OF MATERIALS USING AN EIGHT-INCH AIR GUN AND COMPUTER REDUCTION OF DATA AUTHOR(S) - L.F.THORNE	11/21/73
946 (REV.)	IMPACT TESTING OF FOAM-FILLED PAPER HONEYCOMB WITH ENERGY-ABSORPTION CHARACTERISTICS COMPARED TO Balsa AND REDWOOD AUTHOR(S) - R.D.JUMP, L.F.THORNE	05/07/74
948	EXTRUDE HONE DEBURRING AUTHOR(S) - L.K.GILLESPIE, L.H.LUEBBERT, JR.	08/09/73
951	PRESSURE DISTRIBUTION IN POLYCARBONATE INJECTION MOLDINGS AUTHOR(S) - P.C.BLACK	12/12/73
952	LINEAR THERMAL EXPANSION OF FILLED EPOXY RESINS AUTHOR(S) - H.M.MCILROY	05/09/74
953+	IMPROVED CURVED VACUUM BLANKETS FOR PHOTORESIST EXPOSURE AUTHOR(S) - W.H.KNOPF	06/24/74
955	ALUMINUM ETCHANT CONTROL STUDY AUTHOR(S) - W.H.KNOPF	11/21/73
956	LIGHT EMITTING DIODE TESTING AND ANALYSIS AUTHOR(S) - J.L.BOWERS	08/03/73
959 (REV.)	MASK GENERATION AUTHOR(S) - L.E.SCHANTZ	11/21/73
960 (REV.)	INVESTIGATION OF POLYSULFIDE CONFORMAL COATING AUTHOR(S) - C.J.CAMP	03/29/74
964 (REV.)	IMPROVED WORK DIRECTORS AUTHOR(S) - R.C.CARTER	11/21/73

DOCUMENT NUMBER BDX-613-	TITLE	DATE OF RELEASE
967 (REV.)	HOLOGRAPHIC INTERFEROMETRY AUTHOR(S) - M.P.SCHOEPPNER	11/06/74
971	IMPROVED RADIO-FREQUENCY POWER STANDARDS AUTHOR(S) - D.W.STONE	11/21/73
972	ORBITAL HEADFORM STAKING APPLICATIONS FOR MINIATURE ELECTROMECHANICAL ASSEMBLIES AUTHOR(S) - C.W.ELDER, JR.	08/09/73
973	SHAPING RATCHET TEETH AUTHOR(S) - R.W.STILES	08/30/73
975 (REV.)	BEAM LEAD TESTING, HANDLING, AND FAILURE ANALYSIS AUTHOR(S) - L.W.BROWN	09/30/74
980 (REV.)	PROFILE MILLING AUTHOR(S) - L.K.GILLESPIE	05/21/74
981 (REV.)	MODIFIED PAPER HONEYCOMB AS AN ENERGY ABSORBER AUTHOR(S) - L.C.JACKSON	05/21/74
988 (REV.)	MECHANICAL DEBURRING OF PLASTICS AUTHOR(S) - R.J.HISHAW	03/29/74
991	A METHOD OF INSPECTING DIELECTRIC MATERIALS AT MICROWAVE FREQUENCIES AUTHOR(S) - G.D.O'DELL	12/12/73
992	FERRITE-CORE TRANSFORMER BONDING AND POTTING AUTHOR(S) - W.J.KIRK, JR.	03/29/74
994 (REV.)	STATIC CHARGE AND CURRENT LEAKAGE EFFECTS RELATING TO MANUFACTURE OF JFET ASSEMBLIES AUTHOR(S) - L.S.CARTER	05/29/74
996	ULTRASONIC TINNING OF COMPONENT LEADS AUTHOR(S) - W.A.MULHOLLAND	09/19/73
1002	AN INVESTIGATION OF INTERNAL CAVITY PRESSURE AND THICKNESS RESPONSE FOR INJECTION- MOLDED POLYCARBONATES AUTHOR(S) - P.C.BLACK	12/12/73
1007	GRINDING MINIATURE PINION GEARS AUTHOR(S) - R.W.STILES	11/21/73
1012	SOLUTION CONTROL FOR HYBRID MICROCIRCUIT ETCHING AUTHOR(S) - L.L.LANTZ	11/21/73
1013	A METHOD OF IMPROVING ANALOG COMPARATOR CALIBRATION ACCURACY AUTHOR(S) - J.R.DOUSSARD	12/12/73
1015 (REV.)	MAGNET-WIRE STRIPPING AUTHOR(S) - W.J.KIRK, JR.	05/03/74
1016	ULTRASONIC WELDING OF ELECTRICAL TERMINATIONS AUTHOR(S) - D.E.STITTSWORTH	04/24/74
1017	LSI INTEGRATED CIRCUIT TEST DEVELOPMENT AUTHOR(S) - A.V.GRIMM	05/09/74
1019	CIRCUITRY FOR A HUMIDITY-LEVEL DETECTOR AUTHOR(S) - J.W.HILL	05/09/74
1026 (REV.)	REMOVING INSULATION FROM ALUMINUM MAGNET WIRE AUTHOR(S) - D.L.HOLLAR	05/21/74
1028 (REV.)	BETA BACKSCATTER MEASUREMENTS OF ALUMINUM COATINGS ON MYLAR SUBSTRATES AUTHOR(S) - R.V.HECKMAN	09/13/74
1032	CONTINUOUS STRATIFIED SAMPLING OF IN-PROCESS INVENTORY AUTHOR(S) - C.D.RINKER	08/11/76
1033	DESIGN MANUAL FOR POLYSTYRENE FOAM, RELATING PHYSICAL, MECHANICAL, AND CHEMICAL PROPERTIES AUTHOR(S) - D.J.FOSSEY	07/19/74
1036 (REV.)	STATIC COMPRESSIVE TESTING OF RIGID POLYURETHANE FOAM AUTHOR(S) - R.A.DANIEL	09/26/74
1038	HIGH TEMPERATURE REVERSE BIAS AND POWER BURN-IN AT TRANSISTOR JUNCTION TEMPERATURES FROM 150 TO 300 DEG. C AUTHOR(S) - J.P.GRACEY	04/17/75

DOCUMENT NUMBER BDX-613-	TITLE	DATE OF RELEASE
1042 (REV.)	SOLDER SLEEVES AUTHOR(S) - T.J.HUSBY	04/30/74
1044	NON-DESTRUCTIVE METHODS FOR THE ACCEPTANCE OF PLATING THICKNESS ON PRINTED CIRCUIT BOARDS AUTHOR(S) - W.B.ABEL	04/29/74
1046	AUTOMATIC PEAK POWER MEASUREMENT OF SHORT RF PULSES AUTHOR(S) - K.E.HARDINGER, E.E.PETERSON	08/15/74
1047	THE EFFECT OF CUTTING EDGE RADIUS ON POISSON BURR PROPERTIES AUTHOR(S) - L.K.GILLESPIE	11/26/73
1048 (REV.)	COMPARISON OF METHODS FOR CLEANING CONTAMINATED SURFACES AUTHOR(S) - L.C.JACKSON	05/07/74
1049	STEEL-RULE DIE CONTOURING EVALUATION AUTHOR(S) - R.A.HILE	05/07/74
1051 (REV.)	FEASIBILITY OF DRAG SOLDERING AUTHOR(S) - R.S.MORRIS	05/03/74
1053 (REV.)	READ-ONLY MEMORY IMPLEMENTATION STUDY AUTHOR(S) - J.D.ANDERSON	08/20/74
1056 (REV.)	BRUSH DEBURRING OF MINIATURE PARTS AUTHOR(S) - L.K.GILLESPIE	10/09/74
1059 (REV.)	TECHNIQUE FOR IMPACT TESTING OF CONFINED RIGID FOAM AUTHOR(S) - R.D.JUMP, L.F.THORNE	08/14/75
1061	SPATIAL DISTRIBUTION FROM SMALL BETA SOURCES AND THE EFFECTS OF APERTURE SIZE AUTHOR(S) - R.V.HECKMAN	03/29/74
1062	A SOLID STATE CIRCUIT BREAKER AUTHOR(S) - E.R.ELMER	03/29/74
1064 (REV.)	ELECTRODEPOSITING PT AND PT-IR ALLOYS FROM MOLTEN CYANIDES: CHEMICAL PROCESS STUDIES AUTHOR(S) - W.B.HARDING	09/13/74
1065 (REV.)	NONMETALLIC TOOLING CAPABILITIES AND ECONOMICS AUTHOR(S) - R.W.FREUND	04/30/74
1066	TEN-BIT SAMPLE AND HOLD OR PEAK HOLD CONVERTER AUTHOR(S) - S.E.GRANT	04/30/74
1067 (REV.)	INSULATION REMOVAL FROM WOVEN-WIRE TAPE AUTHOR(S) - R.L.NANEY	04/30/74
1068 (REV.)	FLEXCIRCUIT PROTECTIVE COATINGS AUTHOR(S) - R.A.HILE	04/30/74
1069 (REV.)	MINIATURE-INTERCONNECTION PROCESSING AUTHOR(S) - D.L.HOLLAR	05/21/74
1076 (REV.)	AUTOMATED VISUAL INSPECTION SYSTEM FOR PRINTED WIRING ASSEMBLIES AUTHOR(S) - R.D.TAYLOR	10/09/74
1077	AUTOMATED SCHEDULING OF MANUFACTURING RESOURCES AUTHOR(S) - W.G.HOPPEN	04/24/74
1078	RESOURCES FORECASTING SYSTEM AUTHOR(S) - J.J.KOLICH	05/03/74
1079	APPLICATION OF STATISTICAL METHODS TO MANUFACTURING OPERATIONS AUTHOR(S) - J.H.CARDER, C. LATIMER	05/29/74
1080	CONTROL OF ELECTROSTATIC DAMAGE TO SOLID STATE DEVICES AUTHOR(S) - L.S.CARTER, W.J.KIRK, JR., M.L.WADDELL	04/24/74
1081	AUTOMATIC TESTING AND HANDLING OF BEAM LEAD TRANSISTORS AND DIODES AUTHOR(S) - L.W.SMITH, B.G.WILSON	04/24/74
1082 (REV.)	PROCESS EVALUATION OF NEW CELLULAR SILICONE MATERIAL AUTHOR(S) - G.W.EDMAN	09/26/74
1083 (REV.)	THE EFFECTS OF REAMING VARIABLES ON BURR PROPERTIES AUTHOR(S) - L.K.GILLESPIE	09/30/74

DOCUMENT NUMBER	TITLE	DATE OF RELEASE
1084 (REV.)	PROPERTIES OF BURRS PRODUCED BY BALL BROACHING AUTHOR(S) - L.K.GILLESPIE	04/17/75
1085 (REV.)	THE EFFECT OF RAPIDLY CHANGING VOLTAGES ON THICK-FILM RESISTORS AUTHOR(S) - A.G.BENNETT	04/30/74
1086	PHOTOMULTIPLIER TUBE TESTIN; AND ANALYSIS AUTHOR(S) - J.L.BOWERS	04/24/74
1099 (REV.)	SOLUBILITY PARAMETERS AND EVAPORATIVE RATE ANALYSIS IN ORGANIC RESIDUE CHARACTERIZATION AUTHOR(S) - L.C.JACKSON	09/17/74
1101 (REV.)	AUTOMATIC PHOTOMASK ALIGNMENT AND EXPOSURE ON 3.75 BY 4.50 INCH SUBSTRATES AUTHOR(S) - L.E.SCHANTZ	03/14/75
1103 (REV.)	PREDICTING COMPRESSIVE STRENGTHS IN URETHANE FOAMS AT HIGH STRAINS AUTHOR(S) - T.E.NEET	05/03/74
1104	DEVELOPMENT OF A LIGHT LOAD FRICTION TESTER AUTHOR(S) - G.W.FORMAN, D.P.POPE	05/01/74
1105 (REV.)	ALUMINUM ETCHANT STUDIES AUTHOR(S) - W.H.KNOFF	09/30/74
1109	CHARACTERIZATION OF A CHROMIUM-GOLD DEPOSITION PROCESS FOR THE PRODUCTION OF THIN FILM HYBRID MICROCIRCUITS AUTHOR(S) - F.A.CLAY, R.W.PIERCE, JR.	05/08/74
1110	POLYURETHANE/IMIDE MODIFIED FOAM AUTHOR(S) - J. SALARY	08/08/74
1111 (REV.)	EXPERIMENTAL TESTING FOR MOLD TEMPERATURE RESPONSES AUTHOR(S) - R.H.FLOERSCH	05/23/75
1112	THE BURR--MANUFACTURING'S PERENNIAL THORN AUTHOR(S) - L.K.GILLESPIE	05/01/74
1113	BEAM LEAD DEVICE AND HYBRID MICROCIRCUIT TESTING AUTHOR(S) - R.E.MARKLEY	04/29/74
1115 (REV.)	DEVELOPMENT OF PROCESSES FOR HYBRID MICROCIRCUITS CONTAINING BEAM-LEAD DEVICES AUTHOR(S) - R.J.BLAZEK	09/09/74
1116 (REV.)	EARLY PRODUCTION HISTORY ON HYBRID MICROCIRCUITS CONTAINING BEAM-LEAD DEVICES AUTHOR(S) - T.A.WILEY	09/09/74
1117	STATE-OF-THE-ART OF GENERAL DEBURRING METHODS AUTHOR(S) - N.S.AJLOUNEY, L.K.GILLESPIE	05/08/74
1120	THE MEASUREMENT OF BURRS AUTHOR(S) - L.K.GILLESPIE	05/01/74
1121 (REV.)	PREPARATION OF A CTBN-MODIFIED EPOXY RESIN AUTHOR(S) - W.E.RICHARDSON	11/06/74
1122 (REV.)	DEFECT DETECTION IN HIGH DENSITY BRAIDED SHIELDS AUTHOR(S) - E. BELARDE	10/09/74
1123 (REV.)	DEVELOPMENT OF A FORMING STATION AUTHOR(S) - J.D.SHEELEY	07/26/74
1124	DEBURRING: AN ANNOTATED BIBLIOGRAPHY AUTHOR(S) - L.K.GILLESPIE	05/01/74
1126 (REV.)	COST SAVING THROUGH APPLICATION OF THE INVESTMENT CASTING PROCESS AUTHOR(S) - W.E.CROMWELL	08/11/76
1130	ROUND-WIRE LAMINATED FLAT CIRCUITS AUTHOR(S) - R.A.HILE	08/20/74
1133 (REV.)	TEMPERATURE DEPENDENT PROPERTIES OF POTTING MATERIALS AUTHOR(S) - J.M.WALKER	09/13/74
1134 (REV.)	AUTOMATIC RADAR-SENSITIVITY MEASUREMENT AUTHOR(S) - K.E.HARDINGER	09/17/74
1135 (REV.)	USE OF EN-7 TO ENCAPSULATE ANALYZER ASSEMBLIES AUTHOR(S) - R.E.SCHMIDT	09/13/74

DOCUMENT NUMBER BDX-613-	TITLE	DATE OF RELEASE
1137 (REV.)	EFFECTS OF VARYING FORMULATIONS OF THREE TDI POLYURETHANE FOAMS AUTHOR(S) - S.L.DEGISI, R.F.TAYLOR	08/08/74
1138	AUTOMATED TESTING IN A HIGH NOISE ENVIRONMENT AUTHOR(S) - R.D.TAYLOR	06/03/74
1140 (REV.)	RIGID URETHANE FOAM BASED ON METHYL-ALPHA-(D)-GLUCOSIDE AND E-CAPROLACTONE AUTHOR(S) - J.W.MCFARLAND	11/06/74
1144 (REV.)	DETECTION AND SUPPRESSION OF TRANSISTOR OSCILLATION DURING POWER-BURN-IN AUTHOR(S) - R.W.SCHMIDT	09/13/74
1145	WORK-IN-PROCESS INVENTORY AUTHOR(S) - M.J.KEPNER	06/03/74
1148	SPRAY PHOTORESIST DEVELOPMENT ON MULTIPLE HYBRID MICROCIRCUIT SUBSTRATES AUTHOR(S) - L.E.SCHANTZ	05/12/75
1150 (REV.)	MAXIMUM HUMIDITY INDICATOR AUTHOR(S) - W.B.ABEL	11/06/74
1154 (REV.)	EFFECTS OF BORIC ACID ON THE CURE OF BORON-FILLED U-3602 SILICONE GUM AUTHOR(S) - G.E.LEICHLITER	10/09/74
1155 (REV.)	MASS ANODIZATION OF TANTALUM-NITRIDE RESISTORS AUTHOR(S) - A.J.PELTIER	09/17/74
1158 (REV.)	ULTRASONIC WELDING OF ELECTRICAL TERMINATIONS AUTHOR(S) - G.S.DARNER	07/26/74
1159	ELECTROCHEMICAL GRINDING AUTHOR(S) - R.W.STILES	08/13/76
1167 (REV.)	A RAPID TCR TEST METHOD FOR TANTALUM-NITRIDE RESISTIVE FILM AUTHOR(S) - A. LAUDEL, JR.	11/06/74
1169	AUTOMATIC MACHINE APPLICATION OF SOLID FILM LUBRICANT AUTHOR(S) - G.P.MILLER	09/30/74
1170	LIGHT LOAD FRICTION COEFFICIENT AND WEAR STUDY OF THREE BONDED SOLID LUBRICANTS AUTHOR(S) - D.P.POPE	08/15/74
1171	EFFECTS OF THERMAL EXPANSION ON EPOXY GLASS LAMINATES AUTHOR(S) - E.E.COMBS	08/15/74
1172	SOLVENT ANALYSIS OF STRESSES IN MOLDED POLYCARBONATE PARTS AUTHOR(S) - C.L.WALTER	08/20/74
1173	CHARACTERIZATION OF A CHROME-GOLD THIN FILM DEPOSITION PROCESS BY AUGER ANALYSIS AUTHOR(S) - F.A.CLAY	08/08/74
1174 (REV.)	REFLECTED LIGHT INTENSITY DISTRIBUTIONS FROM DEFECTS ON HIGHLY REFLECTIVE SPHERES AUTHOR(S) - P.E.KLINGSPORN	03/03/77
1175	CHARACTERIZATION OF THERMOCOMPRESSION BONDING PARAMETERS FOR BEAM-LEAD BONDING AUTHOR(S) - B.W.LENHARDT, D.A.YOUNGBERG	06/24/74
1176	REMOVAL OF HYBRID MICROCIRCUIT BEAM-LEAD DEVICES FOR POSTMORTEM TESTS AUTHOR(S) - B.W.LENHARDT, D.A.YOUNGBERG	06/24/74
1177 (REV.)	PLATING ON POLYIMIDE AUTHOR(S) - C.J.STIMETZ	08/15/74
1178 (REV.)	EVALUATION OF A HIGH TEMPERATURE SYNTACTIC FOAM AUTHOR(S) - H.M.MCILROY	07/26/74
1180	WIRE WOVEN TAPE MEASUREMENTS AUTHOR(S) - C.W.BERRY, JR.	02/12/75
1181 (REV.)	EFFECTS OF COATING AND CLEANING ON CORONA AND HIGH-VOLTAGE BREAKDOWN IN ELECTRONIC ASSEMBLIES AUTHOR(S) - E.R.BROWN	03/14/75
1182	AN ACTIVE LASER TRIMMER FOR PRODUCTION TRIMMING OF FUNCTIONAL HYBRID MICROCIRCUITS AUTHOR(S) - J.A.PETERS	06/24/74

DOCUMENT NUMBER BOX-613-	TITLE	DATE OF RELEASE
1187	RAPID VISUAL SCANNING AUTHOR(S) - R.D.TAYLOR	08/06/76
1189	EVALUATION OF THERMOPLASTIC POLYESTER MOLDING RESINS AUTHOR(S) - C.L.WALTER	07/22/75
1190 (REV.)	NONDESTRUCTIVE TESTING OF WELDED ELECTRICAL CONNECTORS AUTHOR(S) - E.B.COOPER	08/06/76
1192 (REV.)	FATIGUE FAILURE IN BRAIDED ELECTROMAGNETIC-RADIATION SHIELDING AUTHOR(S) - H.J.EDWARDS, JR.	03/13/75
1193 (REV.)	PROCESSING OF MINIATURE INTERCONNECTIONS AUTHOR(S) - D.L.HOLLAR	11/06/74
1199 (REV.)	HIGH-DENSITY POLYSTYRENE BEAD PREPARATION AUTHOR(S) - D.L.RICE	09/30/74
1200	CONTAMINANT REMOVAL USING SOLUBILITY PARAMETER TECHNOLOGY AUTHOR(S) - L.C.JACKSON	08/08/74
1205 (REV.)	EVALUATION OF SYNTACTIC POLYSULFIDE STRESS RELIEF COATINGS AUTHOR(S) - T.E.NEET	08/11/76
1207	COMPARISON OF ALTERNATE MATERIALS FOR MOCA CURED ADIPRENE L-100 AUTHOR(S) - D.J.CARUTHERS	10/09/74
1208 (REV.)	LASER STRIPPING FOR WIRE BREAKAGE DIAGNOSIS AUTHOR(S) - R.T.HORN	03/13/75
1212 (REV.)	MOLDING MINIATURE PLASTIC PARTS AUTHOR(S) - D.P.POPE	11/06/74
1213	APPLICATION OF MOIRE TECHNIQUES TO FIXTURELESS GAGING AUTHOR(S) - C.W.BERRY, JR., T.A.EPPES	03/14/75
1214	APT/IGS NUMERICAL CONTROL SYSTEM AUTHOR(S) - V.E.GROSS	03/13/75
1216 (REV.)	DESIGN MANUAL FOR POTTING ELECTRONIC ASSEMBLIES AUTHOR(S) - G.D.SWANSON	09/10/76
1223	SAMPLE SIZE TO SET SPECIFICATION LIMITS AUTHOR(S) - R.L.KIRKPATRICK	02/12/75
1227	THE FEASIBILITY OF ELECTROPLATING PLATINUM-IRIDIUM OUT OF FUSED CHLORIDES AUTHOR(S) - W.B.HARDING	08/06/76
1234 (REV.)	CDA725 TRANSFORMER LEAD SOLDER JOINT EVALUATION AUTHOR(S) - P.F.BURK	07/22/75
1235	MAINTENANCE WORK STANDARDS AND COMPUTERIZED WORK SYSTEM AUTHOR(S) - D.W.HUDGINS	09/26/74
1239	DESIGN IMPROVEMENTS FOR CYCLIC INJECTION MOLDS AUTHOR(S) - M.J.BRONSON, D.C.BRUEGGE	05/23/75
1240 (REV.)	COMPATIBILITY OF CONTAMINANTS AND PLASTICS WITH SOLVENTS AUTHOR(S) - L.C.JACKSON	07/22/75
1242	CALIBRATION METHOD FOR COORDINATE MEASURING MACHINES AUTHOR(S) - W.G.EBY	07/22/75
1244 (REV.)	THREAD CERTIFICATION AUTHOR(S) - C.W.BERRY, JR.	11/06/75
1245 (REV.)	ACCURACY OF WEIGHT METHOD USED TO DETERMINE ALUMINUM FOIL THICKNESS AUTHOR(S) - M.C.LIPPERT	08/11/76
1246	INFRARED BAKING OF POSITIVE PHOTORESIST FOR HYBRID MICROCIRCUIT FABRICATION AUTHOR(S) - L.E.SCHANTZ	08/13/76
1248	BURRS PRODUCED BY DRILLING AUTHOR(S) - L.K.GILLESPIE	08/11/76
1252 (REV.)	DEVELOPMENT OF AN IMPROVED BONDING FIXTURE AUTHOR(S) - J.D.SHEELEY	01/30/76
1254 (REV.)	PLATED THROUGH-HOLES IN FLEXICIRCUITS AUTHOR(S) - R.A.HILE	07/22/75

DOCUMENT NUMBER	TITLE	DATE OF RELEASE
1257	HYBRID MICROCIRCUIT INTRACONNECTION PROCESSES AUTHOR(S) - H.B.BONHAM	08/11/76
1260 (REV.)	EVALUATION OF POLYPHENYLENE SULFIDE AUTHOR(S) - C.L.WALTER	05/12/75
1264	LAPPING EQUIPMENT INSTRUMENTATION AUTHOR(S) - J.L.GRAY	07/05/77
1267 (REV.)	LOW FREQUENCY SHIELDING OF AN EXPERIMENTAL MULTIWIRE CABLE AUTHOR(S) - D.W.STONE	01/30/76
1275	BEAM LEAD DEVICE TEMPERATURE TESTING AUTHOR(S) - L.W.BROWN	08/02/76
1281 (REV.)	IMPROVED PRECISION ALUMINUM ETCHANT AUTHOR(S) - W.H.KNOPF	08/13/76
1282	DUAL CHANNEL MIXER AUTHOR(S) - J.W.CABLE	08/06/76
1284	AN EVALUATION OF THE X-RAY FLUORESCENCE METHOD OF PRECIOUS METAL PLATING THICKNESS MEASUREMENTS AUTHOR(S) - J.S.CARSON, N.K.HEARN, C.B.PETTIE	10/20/75
1285	CAPPING FIXTURE FOR DISCRETE SEMICONDUCTORS AUTHOR(S) - W.C.COULAND	10/30/75
1286	PHOTOTOOL FABRICATION METHODS AUTHOR(S) - M.L.WILSON	11/06/75
1288	PHOTORESIST APPLICATION BY ROLLER COATING AUTHOR(S) - L.E.SCHANTZ	08/06/76
1293 (REV.)	WELDING OF HERMETIC CONNECTORS AUTHOR(S) - D.E.HIEBER	08/02/76
1295	MONITORING SINUSOIDAL VIBRATION ENVIRONMENTS WITH A TV SYSTEM AUTHOR(S) - J.W.DAVIS	07/05/77
1297 (REV.)	AN AUTOMATIC RF-NETWORK ANALYZER AS A SUPPORT TOOL FOR ENGINEERING AND MANUFACTURING AUTHOR(S) - J.L.TAYLOR	08/13/76
1298 (REV.)	FEASIBILITY STUDY OF PRODUCTION OF 0.24 G/CM <sup>3</sup> -DENSITY POLYSTYRENE BEAD FOAM AUTHOR(S) - R.C.SMOBODA	08/13/76
1301 (REV.)	EVALUATION OF TPX MOLDING RESIN AUTHOR(S) - C.L.WALTER	10/20/75
1303 (REV.)	BURRS PRODUCED BY SIDE-MILLING CUTTERS AUTHOR(S) - L.K.GILLESPIE	11/21/75
1315	REWORK OF MULTILAYER PRINTED WIRING BOARD ASSEMBLIES AUTHOR(S) - D.W.CLEMENTS	08/02/76
1316	FRICTION AND WEAR STUDIES FOR BONDED THIN-FILM LUBRICANTS AUTHOR(S) - D.P.POPE	08/06/76
1319	A PRESS FIT INTERFERENCE-LIMIT STUDY FOR MINIATURE ASSEMBLIES AUTHOR(S) - C.W.ELDER, JR.	11/06/75
1325	SORTING AND HANDLING LASER TARGETS AUTHOR(S) - J.H.KUEHNLE	05/12/75
1345 (REV.)	FLEXIBLE POLYURETHANE FOAM AUTHOR(S) - J. SALARY	01/30/76
1346	INTERCONNECTION TECHNOLOGY AUTHOR(S) - W.P.BECK, J.R.SIM	08/11/76
1349	SANDIA/BENDIX STANDARD PROCESS CAPABILITY STUDY OF PRINTED WIRING BOARDS AUTHOR(S) - J.L.WILSON	08/11/76
1353	MEASURING PENETRATION DEPTH OF ELECTRON BEAM WELDS AUTHOR(S) - J.W.HILL	08/14/75
1354 (REV.)	PROCESS ACCEPTANCE AND ADJUSTMENT TECHNIQUES FOR SWISS AUTOMATIC SCREW MACHINE PARTS AUTHOR(S) - J.M.ROBB	01/30/76



DOCUMENT NUMBER BDX-613-	TITLE	DATE OF RELEASE
1363 (REV.)	THE ANGULAR DISTRIBUTION OF DIFFUSE LIGHT REFLECTED FROM ISOLATED DEFECTS ON SUPERFINISHED SPHERES AUTHOR(S) - P.E.KLINGSPORN	03/03/77
1368	CASTING WARPAGE STUDY AUTHOR(S) - E.P.PATTERSON	08/06/76
1369 (REV.)	COMPUTER AIDED FAILURE ANALYSIS AUTHOR(S) - D.W.CLEMENTS	08/11/76
1371 (REV.)	MEMORY ASSEMBLY TO HYBRID MICROCIRCUITS AUTHOR(S) - W.J.KIRK, JR.	08/11/76
1372	BURRS PRODUCED BY GRINDING AUTHOR(S) - L.K.GILLESPIE	08/13/76
1373	PLATINUM RESISTANCE THERMOMETER CALIBRATION ON THE INTERNATIONAL PRACTICAL TEMPERATURE SCALE OF 1968 AUTHOR(S) - S.R.DRAKE	07/05/77
1376 (REV.)	ULTRASONICALLY WELDING ELECTRIC TERMINALS AUTHOR(S) - G.S.DARNER	08/13/76
1381 (REV.)	DIGITAL RECORDING AND ANALYSIS OF FAST EBM BURST WAVEFORMS AUTHOR(S) - J.R.LEMBKE	08/13/76
1383	MULTIPLE HYBRID MICROCIRCUIT PROCESSING AUTHOR(S) - L.E.SCHANTZ	04/15/76
1386 (REV.)	SMALL POWDER PARTS AUTHOR(S) - E.P.PATTERSON	08/13/76
1392	GEAR CUTTING AUTHOR(S) - R.W.STILES	08/06/76
1396	DIELECTRIC ANALYSIS OF AN EPOXY PREIMPREGNATED MATERIAL AUTHOR(S) - J.M.WALKER	01/30/76
1401 (REV.)	PROGRESS IN AUTOMATIC IMAGE MEASUREMENT AUTHOR(S) - J.R.LENKE	08/13/76
1404 (REV.)	EQUIPMENT EVALUATIONS AND PROCESS TECHNIQUES FOR DRAG SOLDERING PRINTED WIRING ASSEMBLIES AUTHOR(S) - R.S.MORRIS	08/13/76
1406	PREPARATION OF A REMOVABLE POLYURETHANE ENCAPSULANT AUTHOR(S) - B.G.PARKER, JR.	08/06/76
1409 (REV.)	THERMALLY CONDUCTIVE SYNTACTIC FOAM AUTHOR(S) - H.M.MCILROY	08/13/76
1411 (REV.)	LOW DENSITY EPOXY ENCAPSULANTS AUTHOR(S) - J.M.WALKER	08/11/76
1412 (REV.)	ROLLER LAMINATION OF MEDIUM TEMPERATURE FLEX CIRCUITS AUTHOR(S) - W.G.PETERKORT	08/13/76
1414 (REV.)	MOLDING CHARACTERISTICS OF THERMOPLASTIC FOAMS AUTHOR(S) - C.L.WALTER	10/30/75
1417	MINIATURE CORE ASSEMBLY FABRICATION AND TEST PROCESSES AUTHOR(S) - H.F.JORDAN JR.	08/01/76
1419	INTEGRATING SPHERE PHOTODETECTOR FOR MEASUREMENT OF CONTINUOUS-WAVE AND PEAK LASER POWER AUTHOR(S) - L.D.WONNELL	08/06/76
1421	DETECTION AND CONTROL OF POWER-LINE TRANSIENTS AFFECTING TESTER AND GAGE PERFORMANCE AUTHOR(S) - J.W.HILL	08/06/76
1422 (REV.)	FEASIBILITY STUDY FOR PRODUCING HIGH-DENSITY POLYSTYRENE BEAD FOAM AUTHOR(S) - R.C.SWOBODA	01/30/76
1423	EVALUATION OF LOOP AND PARALLEL OIL CHANNEL DESIGNS AUTHOR(S) - D.C.BRUEGGE	08/06/76
1424 (REV.)	GLASS SEALING PROCESS FOR ELECTRICAL FEEDTHROUGHS AUTHOR(S) - W.G.GATES	10/30/75

DOCUMENT NUMBER 8DX-613-	TITLE	DATE OF RELEASE
1425 (REV.)	INVESTIGATION OF NEW ENGINEERING THERMOPLASTICS AUTHOR(S) - C.L.WALTER	08/13/76
1429	SKIVING AUTHOR(S) - L.K.GILLESPIE	08/11/76
1434	ELECTRICAL CONDUCTIVITY STUDY OF ETCHED-OUT PLATED-THROUGH HOLES IN DOUBLE-SIDED PRINTED WIRING BOARDS AUTHOR(S) - R.J.SETTER	01/30/76
1435 (REV.)	EVALUATION OF HIGH DENSITY BRAID TERMINATION FATIGUE LIFE AND CONDITION AUTHOR(S) - E. BELARDE	09/09/76
1443	HAND DEBURRING OF PRECISION MINIATURE PARTS AUTHOR(S) - L.K.GILLESPIE	11/21/75
1453	INDUCTION SOLDERING EVALUATION AUTHOR(S) - E.R.FRIEBE	08/11/76
1454 (REV.)	SURFACE PREPARATION OF KAPTON FOR ALUMINUM DEPOSITION AUTHOR(S) - M.G.ULITCHNY	10/30/75
1456	FAILURE MODES OF BEAM LEAD SEMICONDUCTORS IN THIN FILM HYBRID MICROCIRCUITS (CONFERENCE PAPER) AUTHOR(S) - J.H.SWAFFORD	08/13/76
1461	HAND PUNCHING HOLES IN UNFIRED 99.5 PERCENT ALUMINA SUBSTRATES AUTHOR(S) - P.L.BLESSNER	08/11/76
1462 (REV.)	FACE-UP BONDING OF BEAM LEAD DEVICES AUTHOR(S) - A.O.BENDURE	09/10/76
1464	AUTOMATIC LEAD FRAME PLATING AUTHOR(S) - D.M.JARBOE	11/21/75
1465 (REV.)	FEASIBILITY STUDY OF DIODE PRECONDITIONING AUTHOR(S) - J.P.GRACEY	09/10/76
1466 (REV.)	QUANTITATIVE AUGER ELECTRON ANALYSIS OF GOLD-COPPER ALLOYS AUTHOR(S) - R.L.HANLIN, D.L.STOLTZ	01/30/76
1468	SURFACE EFFECTS ON SEMICONDUCTORS AUTHOR(S) - E.L.RAUCH	01/30/76
1469	EXPOSURE STUDY FOR DRY-FILM PHOTORESISTS AUTHOR(S) - M.L.WILSON	09/10/76
1477	THE NECESSITY OF CHARACTERIZING HYBRID MICROCIRCUIT ELEMENTS AT MICROWAVE FREQUENCIES AUTHOR(S) - G.D.O'DELL	09/09/76
1478	GROUP TECHNOLOGY AUTHOR(S) - C.P.ROME	04/15/76
1479	SOLID STATE CONNECTOR AUTHOR(S) - R.A.HAYES	03/15/77
1480	SYNTHESIS OF POLYAMINOBISSMALEIMIDE AUTHOR(S) - D.R.JAMIESON	07/05/77
1482	FIXTURING AND HANDLING OF MINIATURE COMPONENTS AUTHOR(S) - L.K.GILLESPIE	09/10/76
1485 (REV.)	INJECTION MOLDING THERMOPLASTIC RUBBER AUTHOR(S) - J.R.PORTER	09/09/76
1488	DESIGN MODIFICATION FOR HIGH VOLTAGE ELECTRON BEAM WELDING MACHINE AUTHOR(S) - B.D.FRICKE	09/10/76
1489	HYDROLYTIC STABILITY OF ADIPRENE L-100 AND ALTERNATE MATERIALS AUTHOR(S) - D.J.CARUTHERS	09/09/76
1491	ANALYSIS OF THICK FILM CONDUCTOR INKS AUTHOR(S) - D.H.BREWER	09/10/76
1493	DEVELOPMENT OF AN AUTOMATED ENCAPSULATION SYSTEM AUTHOR(S) - J.B.GALLAHER	08/29/77
1496 (REV.)	MATERIAL AND PROCESSING COMPARISONS OF FOUR CONFORMAL COATINGS AUTHOR(S) - D.J.CARUTHERS	03/15/77

DOCUMENT NUMBER BOX-613-	TITLE	DATE OF RELEASE
1497	OPTICAL SYSTEM FOR AUTOMATED INSPECTION OF HIGHLY REFLECTIVE SPHERICAL SURFACES AUTHOR(S) - P.E.KLINGSPORN	09/22/76
1500 (REV.)	COVER EVALUATION FOR LARGE HYBRID MICROCIRCUITS AUTHOR(S) - J.H.WILLIAMS	09/24/76
1502	EFFECTS OF DRILLING VARIABLES ON BURR PROPERTIES AUTHOR(S) - L.K.GILLESPIE	09/24/76
1503	BURRS PRODUCED BY END MILLING AUTHOR(S) - L.K.GILLESPIE	10/01/76
1507 (REV.)	SILICONE ELASTOMER EVALUATION FOR CABLE JACKET APPLICATION AUTHOR(S) - R.R.CROCKETT	09/24/76
1512 (REV.)	ECONOMIC OPTIMIZATION TECHNIQUES APPLICABLE TO PRECISION MINIATURE MACHINING AUTHOR(S) - L.K.GILLESPIE	09/24/76
1519	TEMPERATURE DEPENDENT PROPERTIES OF POTTING MATERIAL AUTHOR(S) - J.M.WALKER	07/05/77
1520*	FLOW AND EXHAUST SYSTEM FOR CHEMICAL VAPOR DEPOSITION OF TUNGSTEN-RHENIUM ALLOY AUTHOR(S) - C.E.BUSHEY	09/10/76
1522	REMOVAL OF SILICONE GREASE AND OIL CONTAMINANTS AUTHOR(S) - L.C.JACKSON	03/22/76
1523	EVALUATION OF ALKALINE ETCHANTS FOR PRINTED WIRING BOARDS AUTHOR(S) - M.E.EVANS	09/24/76
1524	WIGGLY PHASE SHIFTERS AND DIRECTIONAL COUPLERS FOR RADIO FREQUENCY HYBRID MICROCIRCUIT APPLICATIONS (CONFERENCE PAPER) AUTHOR(S) - D.D.PRIGEL, J.L.TAYLOR	08/13/76
1530	DEPOTTING ELECTRONIC ASSEMBLIES AUTHOR(S) - C.J.CAMP	07/05/77
1531 (REV.)	FRACTURE MECHANICS TESTING CAPABILITY AUTHOR(S) - M.G.ULITCHNY	09/09/76
1532	MANUFACTURING PROCESSES FOR HYBRID MICROCIRCUITS CONTAINING VIAS (CONFERENCE PAPER) AUTHOR(S) - P.L.BLESSNER, A. LAUDEL, JR., D.P.NORWOOD	08/13/76
1533	CLOSED CIRCUIT TELEVISION WELDING ALIGNMENT SYSTEM AUTHOR(S) - G.S.DARNER	09/24/76
1534	HIGH TEMPERATURE SYNTACTIC FOAM AUTHOR(S) - H.M.MCILROY	07/05/77
1535	PRODUCTION COATING OF VIAS IN ALUMINA SUBSTRATES WITH VACUUM EVAPORATED CHROMIUM AND GOLD (CONFERENCE PAPER) AUTHOR(S) - J.A.LOSURE	08/13/76
1536	HANDLING AUTOMATION AND TEMPERATURE CONTROL ADDED TO TRANSISTOR S-PARAMETER MEASUREMENT (CONFERENCE PAPER) AUTHOR(S) - R.E.MARKLEY	08/13/76
1542	TRANSFER MOLDING OF CLOSE-TOLERANCE PARTS AUTHOR(S) - B.A.HEFNER	08/29/77
1546	EXTRUDE HOME DEBURRING WITH X-BASE MEDIA AUTHOR(S) - L.K.GILLESPIE	09/09/76
1549 (REV.)	PREPARATION OF URETHANE ADHESIVES AUTHOR(S) - B.G.PARKER, JR.	09/24/76
1552 (REV.)	COMPUTER AIDED FAILURE ANALYSIS AUTHOR(S) - R.S.SMITH	09/24/76
1557	LOW TEMPERATURE ALUMINUM SOLDERING ANALYSIS AUTHOR(S) - W.G.PETERKORT	10/01/76
1559	DEBURRING BY CENTRIFUGAL BARREL TUMBLING AUTHOR(S) - L.K.GILLESPIE	09/22/76
1563 (REV.)	LASER CONTOURED AND DRILLED SUBSTRATES FOR THICK FILM APPLICATIONS AUTHOR(S) - F. URIBE	09/24/76

DOCUMENT NUMBER	TITLE	DATE OF RELEASE
1564 (REV.)	CHARACTERIZATION OF CHROMIUM-GOLD FILMS FOR HYBRID MICROCIRCUITS AUTHOR(S) - R.W.PIERCE, JR.	09/09/76
1565	WELDING ELECTRIC TERMINALS ULTRASONICALLY AUTHOR(S) - G.S.DARNER	10/01/76
1566	AUTOMATIC LABORATORY DATA ACQUISITION SYSTEM AUTHOR(S) - L.E.SCHANTZ	10/21/77
1567	MACHINABILITY AS RELATED TO PRECISION MINIATURE PARTS AUTHOR(S) - L.K.GILLESPIE	02/27/76
1569	EFFECTS OF MOISTURE AND TRANSFER PRESSURE ON SURFACE FINISH AND SHRINKAGE OF 52-20-30 DIALLYL PHTHALATE AUTHOR(S) - B.A.HEFNER	09/24/76
1570	PREPARATION AND PROPERTIES OF DEUTERATED POLYETHYLENE AUTHOR(S) - C.H.SMITH	04/09/76
1575	PLATING HYBRID MICROCIRCUITS AUTHOR(S) - F.A.CLAY	09/24/76
1577	THERMAL AGING OF CURED ETHYLENE/VINYL ACETATE AND ETHYLENE/VINYL ALCOHOL ELASTOMERS AUTHOR(S) - G.K.BAKER, C.H.SMITH, R.M.SMITH	03/22/76
1582	DETERMINING THE MANUFACTURABILITY OF HYBRID MICROCIRCUITS AT MICROWAVE FREQUENCIES AUTHOR(S) - G. O'DELL, W. RUTHERFORD	03/29/76
1583 (REV.)	DYNAMIC RESPONSE OF RIGID POLYURETHANE FOAM AUTHOR(S) - R.A.DANIEL	09/22/76
1585	PROTOTYPE DIRECT NUMERICAL CONTROL SYSTEM AUTHOR(S) - G. FINLAY	08/29/77
1596	GLASS MICROBUBBLE COMPOSITE FOAM AUTHOR(S) - H.M.MCILROY	02/01/78
1599	ROOM TEMPERATURE AGING PROPERTIES OF SOME SOFT SOLDER ALLOYS AUTHOR(S) - B.T.LAMPE	05/07/76
1600	APPLICATION AREA FOR STATISTICAL METHODS (CONFERENCE PAPER) AUTHOR(S) - R.L.KIRKPATRICK	09/27/76
1601	BORIC ACID ANALYSIS AUTHOR(S) - E.W.GROTHER	07/14/76
1604	DEBURRING CAPABILITIES FOR MINIATURE PRECISION PARTS AUTHOR(S) - L.K.GILLESPIE	09/22/76
1605	EFFECT OF PRODUCT GEOMETRY ON BURR SIZE AUTHOR(S) - L.K.GILLESPIE	05/03/76
1616	DEBURRING: AND ANNOTATED BIBLIOGRAPHY AUTHOR(S) - L.K.GILLESPIE	05/14/76
1620	ECONOMIC TRADEOFFS IN DEBURRING AUTHOR(S) - L.K.GILLESPIE	09/22/76
1622	IMPROVED OXYGEN ANALYSIS USING A THALLIUM ACID PHTHALATE (TAP) CRYSTAL (CONFERENCE PAPER) AUTHOR(S) - J.P.STARKEY	08/13/76
1625 (REV.)	IDENTIFICATION OF AN ELECTRO-MECHANICAL ASSEMBLY CONTAMINATION PROBLEM AUTHOR(S) - L.C.JACKSON	03/15/77
1626	THERMAL AGING OF CURED ETHYLENE/VINYL... ELASTOMERS (EXPANDED VERSION OF BOX 613-1577) AUTHOR(S) - R.M.SMITH	06/16/76
1632 (REV.)	MULTILAYERED PLATING THICKNESS MEASUREMENT AUTHOR(S) - R.J.RUSSELL	03/15/77
1634	DEVELOPMENT OF PLATING THICKNESS STANDARDS FOR THE PHYSICAL VAPOR DEPOSITION OF ALUMINUM ON KAPTON AUTHOR(S) - R.J.RUSSELL	10/26/77
1636 (REV.)	CARBON MICROSPHERE/FIBER/POLYIMIDE BINDER SYNTACTIC COMPOSITE AUTHOR(S) - R.J.MCWHIRTER	09/24/76

DOCUMENT NUMBER BDX-613-	TITLE	DATE OF RELEASE
1647	A NEW POTTING MATERIAL-EXPANDABLE POLYSTYRENE BEAD FOAM AUTHOR(S) - D.J.FOSSEY, C.H.SMITH, K.B.WISCHMANN	07/20/76
1650	IMPROVED PROCESS FOR IMPREGNATING HIGH VOLTAGE TRANSFORMERS AUTHOR(S) - L.A.WOLFE	09/09/76
1651 (REV.)	MINIATURE INTERCONNECTION DEVELOPMENT AUTHOR(S) - D.L.HOLLAR	09/22/76
1652	A MOVING HEAD DISC OPERATING SYSTEM FOR AN 8542A AUTOMATIC NETWORK ANALYZER (CONFERENCE PAPER) AUTHOR(S) - M.D.JACKSON, R.M.TELLEZ	11/29/77
1655	STRESS RELIEF TECHNIQUES FOR REDUCING THERMAL FATIGUE IN SOLDER JOINTS AUTHOR(S) - D.M.JARBOE	02/01/78
1656	CURE ANALYSIS OF AN ADHESIVE PRIMER AUTHOR(S) - J.M.HUBACH	07/05/77
1657	FABRICATION OF MULTILAYER PRINTED WIRING BOARDS AUTHOR(S) - J.L.WILSON	02/06/78
1666 (REV.)	BRAZING TITANIUM STRUCTURES AUTHOR(S) - H.B.PRESSLY	03/15/77
1668	DIGITAL ANALYSIS OF EBW BURST WAVEFORMS AUTHOR(S) - J.R.LEMBKE	02/06/78
1673	FACTORS AFFECTING VISUAL INSPECTION OF THIN FILM NETWORKS AUTHOR(S) - R.E.HINES	02/06/78
1683 (REV.)	CERAMIC-TO-METAL SEALING AUTHOR(S) - M.G.GATES	03/15/77
1684	WEAR PREVENTION IN MOLDS USED TO MOLD BORON-FILLED ELASTOMERS (CONFERENCE PAPER) AUTHOR(S) - R.S.PLUMB	09/27/76
1685	SHIELDING EFFECTIVENESS OF SINGLE CONDUCTOR FLAT SHIELDED CABLES AUTHOR(S) - G.S.DARNER	05/10/77
1688	EDITING CAPABILITY FOR DIRECT NUMERICAL CONTROL AUTHOR(S) - G.L.FINLAY	01/06/78
1691	DEVELOPMENT OF AN AUTOMATED FOAM PROCESSING SYSTEM AUTHOR(S) - J.B.GALLAHER	01/06/78
1692	ALUMINA LAPPING ABRASIVE STUDY AUTHOR(S) - R.D.WAGNER	10/24/77
1695	CONTAMINANT CLEANING FOR CRITICAL ELECTRICAL ASSEMBLY AREAS AUTHOR(S) - L.C.JACKSON	02/06/78
1697	PRECISION DEBURRING OF MINIATURE PARTS AUTHOR(S) - L.K.GILLESPIE	08/29/77
1699	A GUIDE TO DEBURRING, DEFLASHING AND TRIMMING EQUIPMENT AUTHOR(S) - L.K.GILLESPIE	09/08/76
1703	ANNIHILATING THE BURK AUTHOR(S) - L.K.GILLESPIE	09/23/76
1706	SOLDERABILITY TEST DEVELOPMENT AUTHOR(S) - D.M.JARBOE	10/24/77
1708	CARRIER SYSTEM FOR TESTING AND CONDITIONING OF BEAM LEAD DEVICES AUTHOR(S) - L.A.ROBINSON	09/30/76
1709	DEVELOPMENT OF PLATING THICKNESS STANDARDS AUTHOR(S) - R.J.RUSSELL	02/06/78
1716	DETERMINATION OF GOLD-COPPER ALLOY COMPOSITION BY X-RAY FLUORESCENCE ANALYSIS AUTHOR(S) - D.M.STARKS	10/26/76
1717	MULTIPURPOSE LABORATORY TEST SYSTEM APPLYING CAMAC STANDARDS (CONFERENCE PAPER) AUTHOR(S) - J.L.BOWERS	03/04/77
1719	MEASUREMENT OF PEAK OPTICAL POWER FROM LASER DIODES (CONFERENCE PAPER) AUTHOR(S) - L.O.WONNELL	03/04/77

DOCUMENT NUMBER BOX-613-	TITLE	DATE OF RELEASE
1720	REDUCE THE COST OF ELECTRONIC PACKAGING WITH INVESTMENT CASTINGS (CONFERENCE PAPER) AUTHOR(S) - W.E.CROMWELL	03/04/77
1722	PROGRAMMABLE DATA ACQUISITION SYSTEM FOR MICROWAVE CALIBRATION AUTHOR(S) - J.W.CABLE	01/06/78
1723	MACHINABILITY OF METALS AS RELATED TO MINIATURE PRECISION COMPONENTS AUTHOR(S) - L.K.GILLESPIE	01/06/78
1725	MECHANICAL PROPERTIES OF 0.2 G/CM <sup>3</sup> POLYSTYRENE BEAD FOAM AUTHOR(S) - D.J.FOSSEY	02/06/78
1738	PLANT-WIDE CONTROL OF DEBURRING COSTS AUTHOR(S) - L.K.GILLESPIE	02/11/77
1740	FEASIBILITY OF ELECTROPLATED GOLD FOR HYBRID MICROCIRCUITS AUTHOR(S) - P.L.BLESSNER	10/28/77
1744	DEVELOPMENT OF A METALLOGRAPHIC METHOD FOR TUNGSTEN-RHENIUM AUTHOR(S) - A.H.RAHE	02/27/78
1746	PRECISION DC VOLTAGE REFERENCE AUTHOR(S) - G.E.KATER	02/01/78
1748	BURRS PRODUCED BY TURNING AUTHOR(S) - L.K.GILLESPIE	12/15/78
1750	HIGH LOAD BEARING FLEXIBLE URETHANE FOAMS AUTHOR(S) - B.G.PARKER	10/28/77
1751	SIZE EFFECTS IN CENTRIFUGAL BARREL FINISHING AUTHOR(S) - L.K.GILLESPIE	03/18/77
1756	DIGITIZING CONTACT BOUNCE AUTHOR(S) - K.D.BENEDICT	01/03/77
1757	EFFECTS OF DEBURRING CONTAMINANTS ON ELECTROPLATING ADHESIONS AUTHOR(S) - L.K.GILLESPIE	02/06/78
1763	FABRICATION AND PERFORMANCE OF A LAMINATED NONVOLATILE NONDESTRUCTIVE READOUT MEMORY CORE AUTHOR(S) - H.F.JORDAN JR.	04/07/78
1764	COMPUTER SIMULATION OF THE MOLD HEATING AND CONTROL LOOP, USING CONVENTIONAL CONTROL STRATEGIES AUTHOR(S) - R.H.FLOERSCH	04/07/78
1770	FAST NEUTRON GAUGING FEASIBILITY STUDY AUTHOR(S) - R.V.HECKMAN	04/11/78
1773	DEBURRING CASE HISTORIES AUTHOR(S) - L.K.GILLESPIE	03/18/78
1775	MEASURING STRESS IN LEAD WIRES AUTHOR(S) - G.D.SWANSON	03/17/77
1777	DEBURRING: AN ANNOTATED BIBLIOGRAPHY, VOLUME IV AUTHOR(S) - L.K.GILLESPIE	02/10/77
1779	WET FILM PHOTOLITHOGRAPHY OF HMCS CONTAINING VIAS AUTHOR(S) - D.P.NORWOOD	04/11/78
1783	HIGH TEMPERATURE NONPLANAR LAMINATES AUTHOR(S) - J.D.STEIN	04/25/77
1785	DRILLING MINATURE HOLES PART 1 AUTHOR(S) - L.K.GILLESPIE	06/22/78
1786	DRILLING MINATURE HOLES, PART 2 AUTHOR(S) - L.K.GILLESPIE	06/22/78
1787	DRILLING MINIATURE HOLES, PART 3 AUTHOR(S) - L.K.GILLESPIE	06/22/78
1790	SYNTACTIC FOAM FROM SILVER COATED MICROBUBBLES AUTHOR(S) - H.M.MCILROY	02/15/78
1791	AN EXTENSION OF PROPOSED DEFINITIONS FOR BURRS AND RELATED EDGE CONDITIONS AUTHOR(S) - L.K.GILLESPIE	03/17/77

DOCUMENT NUMBER	TITLE	DATE OF RELEASE
1793	THE BURR: A 1977 REPORT ON THE TECHNOLOGY OF REDUCING ITS COST AUTHOR(S) - L.K.GILLESPIE	03/18/77
1795	MULTILAYERED PLATING THICKNESS AUTHOR(S) - R.J.RUSSELL	08/29/78
1796	PREPARATION AND PROPERTIES OF BLOCKED DIISOCYANATES AUTHOR(S) - B.G.PARKER	02/22/78
1800	HMC-TO-FLATPACK ATTACHMENT AUTHOR(S) - L.R.ZAWICKI	04/11/78
1803	HMC SPRAY, DEVELOPING, STRIPPING, AND ETCHING AUTHOR(S) - P.L.BLESSNER	02/15/78
1805	PLATING THICKNESS STANDARDS AUTHOR(S) - R.J.RUSSELL	07/28/78
1809	SEMICONDUCTOR DIE ATTACHMENT AUTHOR(S) - L.R.ZAWICKI	04/11/78
1811	TELEMETRY TEST METHODS AUTHOR(S) - J.L.BOWERS	04/11/78
1812	MECHANICAL AND MICROSTRUCTURAL PROPERTIES CHARACTERIZATION OF HEAT-TREATED BETA EXTRUDED TI-6AL-6V-2SN AUTHOR(S) - M.G.ULITCHNY	04/04/77
1813	SEMI-AUTOMATIC VISUAL INSPECTION SYSTEM FOR TWIN-FILM NETWORKS AUTHOR(S) - R.E.HINES	10/20/78
1816	CHEMICAL AND PHYSICAL CHARACTERIZATION OF A KEVLAR-FILLED EPOXY MOLDING COMPOUND AUTHOR(S) - J.W.MCFARLAND	04/11/78
1823	DENSITY MEASUREMENTS OF CURVED FOAM PARTS USING RADIOGRAPHIC-FILM TECHNIQUE AUTHOR(S) - W.J.BOWDEN	11/15/78
1829	X-RAY POLE ANALYSIS AUTHOR(S) - D.M.JARBOE	10/20/78
1836	MATERIAL EVALUATION OF POLYURETHANE FOAM, 0.05 G/CM3 DENSITY AUTHOR(S) - J.R.FENDER	04/11/78
1848	EQUIPMENT FOR A LASER SURFACE MEASURING SYSTEM AUTHOR(S) - R.T.STAGNER	12/15/78
1853	CHEMICAL, THERMAL, AND DYNAMIC MECHANICAL PROPERTIES OF FIVE ADHESIVES AUTHOR(S) - G.K.BAKER	08/29/78
1857	CHARACTERIZATION OF THIN FILM MICROSTRIP ATTENUATORS AT MICROWAVE FREQUENCIES AUTHOR(S) - F.R.SMITH	12/15/78
1865	SOLDERING AUTOMATION AUTHOR(S) - S. LANDERS	11/15/78
1867	THE TIME-TEMPERATURE CORRESPONDENCE OF THE DYNAMIC MECHANICAL PROPERTIES OF HALTHANE AUTHOR(S) - G.K.BAKER	11/30/78
1868	QUANTITATIVE COMPARISON OF ELECTRONIC COMPONENT-SOLDER JOINT STRESS RELIEF IN ENCAPSULATED ASSEMBLIES AUTHOR(S) - D.A.CUMMINGS	11/30/78
1870	SIMULATION MODELING OF AN AUTOMATED MATERIAL STORAGE/RETRIEVAL SYSTEM AUTHOR(S) - J. GALLEGOS	02/27/78
1873	DEPOSITION AND CHARACTERIZATION OF VACUUM-DEPOSITED ALUMINUM FILM ON KAPTON LAMINATES AUTHOR(S) - D.M.SHERMAN	07/23/78
1877	LASER CUTTING OF KEVLAR LAMINATES AUTHOR(S) - R.A.VANCLEVE	10/21/77
1880	SHELF-LIFE AGING OF DC-302-SILICONE MOLDING COMPOUND AUTHOR(S) - J.W.MCFARLAND	08/29/78
1887	PROCESS EFFECTS ON HIGH-VOLTAGE ELECTRICAL ASSEMBLIES AUTHOR(S) - D.A.CUMMINGS	08/29/78

DOCUMENT NUMBER BDX-613-	TITLE	DATE OF RELEASE
1888	CANADA'S 100 MILLION DOLLAR THORNIM CANADIAN MACHINERY AND METALWORKING AUTHOR(S) - L.K.GILLESPIE	08/05/77
1890	CHARACTERIZATION OF LOW DENSITY RIGID URETHANE FOAM AUTHOR(S) - F.N.LARSEN	11/15/78
1891	NEEDED RESEARCH ON BURRS, DEBURRING, AND EDGE FINISHING (TO BE PUBLISHED BY SME) AUTHOR(S) - L.K.GILLESPIE	08/05/77
1903	DEVELOPMENT OF BETA BACKSCATTER PROBES USING HIGH-INTENSITY SOURCES (CONFERENCE PAPER) AUTHOR(S) - R.V.HECKMAN	12/20/77
1905	INVESTIGATION OF METHYLPENTENE POLYMER (TPX) MOLDING RESIN AUTHOR(S) - C.L.WALTER	04/11/78
1907	UNIVERSAL MONITOR FOR CO2 LASERS (CONFERENCE PAPER) AUTHOR(S) - L.D.WONNELL	11/29/77
1908	SLOTING BY ELECTROCHEMICAL GRINDING AUTHOR(S) - R.W.STILES	11/15/78
1913	EVALUATION OF CURE CYCLES FOR SYNTACTIC FOAM AUTHOR(S) - H.M.MCILROY	12/15/78
1915	IMPROVED BONDABILITY OF MOLDED RIGID URETHANE FOAM BY PLASMA TREATMENT (CONFERENCE PAPER) AUTHOR(S) - S.L.DEGISI, C.H.SMITH	11/29/77
1917	OVERVIEW OF DIRECT NUMERICAL CONTROL AUTHOR(S) - G.L.FINLAY	05/15/78
1920	TEMPERATURE VERSUS TIME CURVES FOR MANUAL AND AUTOMATED SOLDERING PROCESSES AUTHOR(S) - M.A.TRENT	08/29/78
1927	HOBGING RATCHET WHEELS FOR MINATURE MECHANISMS AUTHOR(S) - L.K.GILLESPIE	12/15/78
1930	HERMETIC SEALING OF HYBRID MICROCIRCUITS-INITIAL CAPABILITY DEVELOPMENT AUTHOR(S) - J.H.WILLIAMS	12/15/78
1940	ISOTROPIC ANALYSIS OF ENRICHED BORON BY CHEMICAL IONIZATION MASS SPECTROSCOPY AUTHOR(S) - W.A.HARELAND	07/28/78
1942	ELECTRICAL MEASUREMENTS OF PLATING THICKNESS AUTHOR(S) - J.B.MUSTAPHA	12/15/78
1943	ELECTRICAL COMPENSATION SYSTEM FOR PLATED-THROUGH-HOLE TESTER AUTHOR(S) - W.B.ABEL	11/15/78
1945	DIGITAL RLC ANALYSIS OF COU FIRESET X UNITS (CONFERENCE PAPER) AUTHOR(S) - A.G.BENNETT	11/29/77
1948	ELECTROCHEMICAL MACHINING DEEP THROUGH HOLES AUTHOR(S) - L.K.GILLESPIE	10/20/78
1949	REDESIGN OF BENDIX VARIABLES DATA SYSTEM (CONFERENCE PAPER) AUTHOR(S) - E.W.MORRIS	11/29/77
1950	CONTROL SYSTEM MODELING OF A CENTRIFUGE (CONFERENCE PAPER) AUTHOR(S) - J.C.VAJDIC	11/29/77
1952	REHABILITY OF PACKAGED BEAM-LEAD TRANSISTORS BUILT WITH DIFFERENT PRE-SEAL ASSEMBLY TECHNIQUES AUTHOR(S) - J.P.GRACEY	10/20/78
1953	STATIC ELIMINATION WORK STATIONS AUTHOR(S) - R.S.HEDGES	12/15/78
1955	N-METHYL-2-PYRROLIDONE AS A STRIPPER FOR PLASTIC POTTING COMPOUNDS AUTHOR(S) - J.W.STEELE	05/15/78
1964	POLYURETHANE FOAM 0.05G/CM3 DENSITY AUTHOR(S) - J.R.FENDER	11/07/78
1966	RING-SHAPED BETA SOURCE IMPROVES GAGE ACCURACY AUTHOR(S) - R.V.HECKMAN, M.W.HOGAN	01/05/78



DOCUMENT NUMBER BOX-613-	TITLE	DATE OF RELEASE
1967	CONTACTOR SPEEDS S-PARAMETER TESTS AUTHOR(S) - M.W.HOGAN, R.E.MARKLEY	01/17/78
1968	MASS PARALLEL INTERFACE INPUTS DATA TO PDP-11 AUTHOR(S) - M.W.HOGAN	01/17/78
1969	OPTIMIZATION OF LEAD FRAME BOND PARAMETERS FOR PRODUCTION OF RELIABLE THERMOCOMPRESSION BONDS AUTHOR(S) - R.J.BLAZEK, W.A.PIPER	01/27/78
1977	ADVANCES IN DEBURRING AUTHOR(S) - L.K.GILLESPIE	02/02/78
1979	MOLD HEATING AND COOLING SYSTEMS AUTHOR(S) - R.H.FLOERSCH	12/15/78
1980	DIGITAL CONTROLLER DESIGN, ANALYSIS, AND IMPLEMENTATION FOR THE MOLD HEATING AND COOLING SYSTEM AUTHOR(S) - R.H.FLOERSCH	12/15/78
1981	REMOVAL OF METHYLENE DIANILINE FROM CHEMICAL PLANT WASTEWATER AUTHOR(S) - D.A.YOUNG	03/23/78
1985	VIBRATORY DEBURRING: AN ANALYSIS OF COSTS (MACHINE TOOL AND BLUE BOOK) AUTHOR(S) - L.K.GILLESPIE	02/10/78
1986	HAND DEBURRING: A NECESSITY THAT CAN BE IMPROVED AUTHOR(S) - L.K.GILLESPIE	08/29/78
1987	ENVIRONMENTAL SUMMARY FOR CALENDAR YEAR 1977 AUTHOR(S) - USDOE	07/28/78
1988	RESIN PROCESS CONTROLS AUTHOR(S) - D.E.SHEPHERD	11/07/78
1990	MOLD HEATING AND COOLING SYSTEMS AUTHOR(S) - R.H.FLOERSCH	10/20/78
1993	DEPOSITION OF ALUMINUM-COPPER ALLOY ON LAMINATED POLYIMIDE SUBSTRATES FROM AN RF INDUCTANCE SOURCE AUTHOR(S) - G.J.HALE	11/30/78
2003	A BOUNDARY VALUE DETERMINATION OF CONTACT ANGLE AUTHOR(S) - J.D.EMERY	03/17/78
2006	COMPUTER AIDED FAILURE ANALYSIS AUTHOR(S) - R.S.SMITH	12/15/78
2010	DIGITAL CONTROLLER FOR CYCLIC TEMPERATURE CONTROL AUTHOR(S) - R.H.FLOERSCH	07/28/78
2011	TESTING THE INTERLAMINATE ADHESION OF MULTILAYER PRINTED WIRING BOARDS AUTHOR(S) - J.W.LULA	10/20/78
2016	FRAUNHOFER DIFFRACTION PATTERNS FROM APERTURES ILLUMINATED WITH NONPARALLEL LIGHT AUTHOR(S) - P.E.KLINGSPOHN	03/23/78
2017	MECHANIZED MECHANICAL DEBURRING AUTHOR(S) - L.K.GILLESPIE	03/30/78
2018	DIRECT NUMERICAL CONTROL AT BENDIX KANSAS CITY DIVISION AUTHOR(S) - G.L.FINLAY	05/11/78
2020	COMPUTER APPLICATIONS AND HYBRID MICROCIRCUITS AUTHOR(S) - L. SHEETS	03/30/78
2022	LASER WELDING OF ELECTRICAL CONNECTIONS AUTHOR(S) - F.R.BAUER	12/15/78
2028	CONTAMINANT DETECTION CHARACTERIZATION, AND REMOVAL BASED ON SOLUBILITY PARAMETER PRINCIPLES AUTHOR(S) - L.C.JACKSON	05/10/78
2030	GAS PLASMA EFFECTS ON PRINTED CIRCUIT BOARD MATERIALS AUTHOR(S) - L.C.JACKSON	11/30/78
2031	IMPROVED PROCESS FOR WELDING STUDS TO RING AND STUD ASSEMBLIES AUTHOR(S) - G.P.MILLER	12/15/78

DOCUMENT NUMBER	TITLE	DATE OF RELEASE
8DX-613-		
2037	HIGH DENSITY BRAID CABLE SHIELDS AUTHOR(S) - E. BELAROE	12/15/78
2038	RTV TOOLING EVALUATION AUTHOR(S) - E. BELAROE	12/15/78
2039	COOLING ALUMINUM MOLDS USING HEAT PIPES AUTHOR(S) - D.R.HAHN	11/30/78
2044	FINITE ELEMENT ANALYSIS OF LASER INDUCED THERMAL SHOCK AUTHOR(S) - K. SIDOROWICZ	06/22/78
2045	OBSERVATIONS ON IMPLEMENTING GROUP TECHNOLOGY FOR PRECISION MINIATURE PARTS (JOURNAL ARTICLE UC-38) AUTHOR(S) - L.K.GILLESPIE	06/22/78
2051	MOORE NUMBER 5 DIAMOND TURNING MACHINE DESIGN AND DESCRIPTION AUTHOR(S) - D.L.SETTER	06/22/78
2060	DEVELOPMENT OF A COMPARATIVE ANALYZER FOR MICROPROCESSOR AUTHOR(S) - E.J.ROLFE, ...	10/20/78
2067	BARREL TUMBLING IS IT ECONOMICAL? AUTHOR(S) - L.K.GILLESPIE	07/28/78
2078	CHEMICAL CHARACTERIZATION OF A POLYPHOSPHORIC ACID ETCHANT AUTHOR(S) - T.J.MORIN	12/15/78
2081	DESTRUCTIVE TESTING OF HYBRID MICROCIRCUITS CONTAINING THERMOCOMPRESSION BONDED DEVICES AND LEAD-INDIUM SOLDERED CAPACITORS AUTHOR(S) - D.A.RATHBUN	10/31/78
2083	SURFACE CLEANINESS MEASUREMENTS, CONTAMINANT CHARACTERIZATION, AND CONTROL AUTHOR(S) - L.C.JACKSON	10/20/78
2100	HAND DEBURRING A PLAGUE OR THE MOST ECONOMICAL WAY? AUTHOR(S) - L.K.GILLESPIE	10/20/78
2108	THREE-BODY ABRASIVE WEAR WITH SMALL SIZE DIAMOND ABRASIVES AUTHOR(S) - N.E.MILLER	12/15/78
2110	SHELF-LIFE DETERMINATION OF EPOXY PREPREGS AND FILM ADHESIVES AUTHOR(S) - B.G.PARKER, C.H.SMITH	10/31/78
2112	DEBURRING AN ANNOTATED BIBLIOGRAPHY, VOL V AUTHOR(S) - L.K.GILLESPIE	10/31/78
2114	ELECTROPLATED GOLD FOR HYBRID MICROCIRCUITS AUTHOR(S) - P.L.BLESSNER	11/15/78
2118	FINITE ELEMENT ANALYSIS OF LASER WELDING INDUCED THERMAL SHOCK AUTHOR(S) - K. SIDOROWICZ	12/15/78
2119	USE OF A DISPLACEMENT MEASURING SYSTEM FOR POSITIONING A SPHERE ON A ROTATING AXIS AND FOR MEASURING THE SPHERICAL CONTOUR AUTHOR(S) - P.E.KLINGSPORN	11/07/78
2122	MICROPROCESSORS AS A TOOL IN DETERMINING SPHERICS AND TORNADO GENESIS AUTHOR(S) - D.R.WITTE	11/30/78
2128	MICROHM RESISTANCE MEASUREMENTS TO DETERMINE PLATING THICKNESS ON PWB AUTHOR(S) - W.B.ABEL	11/07/78
2132	ELECTROCHEMICAL DEBURRING ANOTHER SHARP SWORD IN THE BATTLE WITH BURRS AUTHOR(S) - L.K.GILLESPIE	12/15/78
2134	DATA INPUT TO PDP-11 BY MASS PARALLEL INTERFACE AUTHOR(S) - R.D.BISHOP, B. HOGAN	11/16/78

\* DISTRIBUTION LIMITED TO AEC AND CONTRACTORS  
+ CLASSIFIED

Appendix E

AUTHOR INDEX OF REPORTS RELEASED

AUTHOR INDEX OF REPORTS RELEASED

AUTHOR	TITLE	DOCUMENT NUMBER BDX-613-
ABEL, W. B.	DELIQUESCENT-CHEMICAL MAXIMUM HUMIDITY INDICATOR	921
ABEL, W. B.	NON-DESTRUCTIVE METHODS FOR THE ACCEPTANCE OF PLATING THICKNESS ON PRINTED CIRCUIT BOARDS	1044
ABEL, W. B.	MAXIMUM HUMIDITY INDICATOR	1150(REV.)
ABEL, W. B.	ELECTRICAL COMPENSATION SYSTEM FOR PLATED-THROUGH-HOLE TESTER	1943
ABEL, W. B.	MICROHM RESISTANCE MEASUREMENTS TO DETERMINE PLATING THICKNESS ON PWB	2128
AJLOUNEY, N. S.	STATE-OF-THE-ART OF GENERAL DEBURRING METHODS	1117
ALDRICH, P. H.	CONTINUOUS FOAM BILLET FABRICATION	148
ALDRICH, P. H.	PROCESSING OF THIN CELLULAR SILICONE SLABS	353(REV.)
ALDRICH, P. H.	STRETCH EFFECTS ON LOAD DEFLECTION AND THICKNESS OF Y-3333 CELLULAR SILICONE SLABS	360(REV.)
ALDRICH, P. H.	A STUDY OF THE COMPRESSION SET CHARACTERISTICS OF CELLULAR SILICONE SUBJECTED TO ABNORMALLY HIGH STRAIN	388
ALEXANDER, J. D.	HELICAL TAPE WINDER	607(REV.)
ALMQUIST, K. D.	SEMI-RIGID COAXIAL CVR/CABLE, FY72-3	676(REV.)
ANDERSON, J. D.	READ-ONLY MEMORY IMPLEMENTATION STUDY	1053(REV.)
ANSLEY, D. R.	A DESCRIPTION OF VARIOUS METHODS OF PREPARING POLYAMIC ACIDS AND POLYIMIDES	509
ASHER, R. K.	PHYSICAL PROPERTIES OF ELECTROFORMED NICKEL FROM SULFAMATE SOLUTIONS	32
ATKINSON, K. C.	STATE OF CURE OF PRINTED CIRCUIT BOARDS	233
ATKINSON, K. C.	CHARACTERIZATION OF FILM ADHESIVES	528
AUSTIN, J. E.	TEACH YOUR ENGINEERS TO DESIGN BETTER WITH ADHESIVES	25
AYERS, F. C.	RIGID EPOXY FOAM ENCAPSULATION	195(REV.)
BAKER, G. K.	CARBON FOAM-A CELLULAR STRUCTURAL MATERIAL FOR HIGH TEMPERATURE APPLICATION	112
BAKER, G. K.	THE BLENDING OF SEVEN LOTS OF MERGINAMIDE L-425 FOR USE IN THE M300 ADHESIVE	405
BAKER, G. K.	SYNTHESIS OF TOLUENE DIISOCYANATE DIMER (TDID)	506
BAKER, G. K.	A STUDY OF POLYETHER-POLYOL-AND POLYESTER-POLYOL-BASED RIGID URETHANE FOAM SYSTEMS	531
BAKER, G. K.	THERMAL AGING OF CURED ETHYLENE/VINYL ACETATE AND ETHYLENE/VINYL ALCOHOL ELASTOMERS	1577
BAKER, G. K.	CHEMICAL, THERMAL, AND DYNAMIC MECHANICAL PROPERTIES OF FIVE ADHESIVES	1853
BAKER, G. K.	THE TIME-TEMPERATURE CORRESPONDENCE OF THE DYNAMIC MECHANICAL PROPERTIES OF HALTHANE	1867
BANDLER, S. W.	RUST PREVENTION IN TOOL STORAGE AREAS	559
BARKER, F. J.	FEASIBILITY STUDY: PLATING THICKNESS GAGE	104
BARNARD, T. F.	TRIMMABLE FILM RESISTORS	728
BARNES, C. B.	A METHOD FOR INTERRUPTING A HIGH STRAIN RATE TENSION TEST BEFORE SPECIMEN FRACTURE	81
BARTEL, D. S.	ULTRAPRECISION TOOL GRINDING	552
BAUER, F. R.	LASER WELDING OF ELECTRICAL CONNECTIONS	2022

AUTHOR	TITLE	DOCUMENT NUMBER BDX-613-
BECK, W. P.	VISUAL AND ELECTRICAL INSPECTION OF MINIATURE RADARS	451
BECK, W. P.	INTERCONNECTION TECHNOLOGY	1346
BEGGS, R. L.	THE BEGGS MMD TEST FOR DETERMINING THE SHELF LIFE OF FILM ADHESIVE	507
BELARDE, E.	DEFECT DETECTION IN HIGH DENSITY BRAIDED SHIELDS	1122(REV.)
BELARDE, E.	EVALUATION OF HIGH DENSITY BRAID TERMINATION FATIGUE LIFE AND CONDITION	1435(REV.)
BELARDE, E.	HIGH DENSITY BRAID CABLE SHIELDS	2037
BELARDE, E.	RTV TOOLING EVALUATION	2038
BENDURE, A. O.	FACE-UP BONDING OF BEAM LEAD DEVICES	1462(REV.)
BENEDICT, K. D.	PRODUCTION TESTING OF MAGNETIC CORE SHIFT REGISTER ELEMENTS	62
BENEDICT, K. D.	PULSE SHAPER AND DRIVER CIRCUIT	130
BENEDICT, K. D.	DIGITIZING CONTACT BOUNCE	1756
BENGTSON, G. W.	EFFECT OF SODIUM HYDROXIDE ON ALUMINUM FOIL THICKNESS	515(REV.)
BENGTSON, G. W.	ULTRASONIC WELDING OF NYLON CELL CASES ON A NICKEL CADMIUM BATTERY	888(REV.)
BENNETT, A. G.	THE EFFECT OF RAPIDLY CHANGING VOLTAGES ON THICK-FILM RESISTORS	1085(REV.)
BENNETT, A. G.	DIGITAL RLC ANALYSIS OF CDU FIRESET X UNITS (CONFERENCE PAPER)	1945
BEOUGHER, L. C.	A DIGITAL FREQUENCY MEASURING SYSTEM FOR PULSED RF DEVICES	767
BERRY, JR., C. W.	INSPECTION OF FINE-PITCHED GEARS	309
BERRY, JR., C. W.	INSPECTION OF FINE-PITCHED GEARS	563(REV.)
BERRY, JR., C. W.	ROLAMITE SENSORS	697(REV.)
BERRY, JR., C. W.	QUALIFICATION OF MINIATURE INTERNAL THREADS USING AIR FLOW	716(REV.)
BERRY, JR., C. W.	VIBRATION ANALYSIS	926
BERRY, JR., C. W.	WIRE WOVEN TAPE MEASUREMENTS	1180
BERRY, JR., C. W.	APPLICATION OF MOIRE TECHNIQUES TO FIXTURELESS GAGING	1213
BERRY, JR., C. W.	THREAD CERTIFICATION	1244(REV.)
BISHOP, R. D.	DATA INPUT TO PDP-11 BY MASS PARALLEL INTERFACE	2134
BLACK, P. C.	AN INVESTIGATION OF INTERNAL CAVITY PRESSURE FOR INJECTION-MOLDED POLYCARBONATES	601(REV.)
BLACK, P. C.	PRESSURE DISTRIBUTION IN POLYCARBONATE INJECTION MOLDINGS	951
BLACK, P. C.	AN INVESTIGATION OF INTERNAL CAVITY PRESSURE AND THICKNESS RESPONSE FOR INJECTION- MOLDED POLYCARBONATES	1002
BLAZEK, R. J.	DEVELOPMENT OF PROCESSES FOR HYBRID MICROCIRCUITS CONTAINING BEAM-LEAD DEVICES	1115(REV.)
BLAZEK, R. J.	OPTIMIZATION OF LEAD FRAME BOND PARAMETERS FOR PRODUCTION OF RELIABLE THERMOCOMPRESSION BONDS	1969
BLESSNER, P. L.	FEASIBILITY OF ELECTROPLATED GOLD FOR HYBRID MICROCIRCUITS	1740
BLESSNER, P. L.	HAND PUNCHING HOLES IN UNFIRED 99.5 PERCENT ALUMINA SUBSTRATES	1461
BLESSNER, P. L.	MANUFACTURING PROCESSES FOR HYBRID MICROCIRCUITS CONTAINING VIAS (CONFERENCE PAPER)	1532
BLESSNER, P. L.	HMC SPRAY, DEVELOPING, STRIPPING, AND ETCHING	1803
BLESSNER, P. L.	ELECTROPLATED GOLD FOR HYBRID MICROCIRCUITS	2114

AUTHOR	TITLE	DOCUMENT NUMBER BDX-613-
BONHAM, H. B.	BONDING DEGRADATION IN THE TANTALUM NITRIDE-CHROMIUM-GOLD METALLIZATION SYSTEM	860
BONHAM, H. B.	HYBRID MICROCIRCUIT INTRACONNECTION PROCESSES	1257
BOSCH, A. M.	JOINING HIGH-STRENGTH STEELS BY DIFFUSION BONDING	113
BOWDEN, W. J.	DENSITY MEASUREMENTS OF CURVED FOAM PARTS USING RADIOGRAPHIC-FILM TECHNIQUE	1823
BOWERS, J. L.	LIGHT EMITTING DIODE TESTING AND ANALYSIS	956
BOWERS, J. L.	PHOTOMULTIPLIER TUBE TESTIN; AND ANALYSIS	1086
BOWERS, J. L.	MULTIPURPOSE LABORATORY TEST SYSTEM APPLYING CAMAC STANDARDS (CONFERENCE PAPER)	1717
BOWERS, J. L.	TELEMETRY TEST METHODS	1811
BOWLEN, D. W.	FLEXIBLE CABLE LACING	91
BOWLEN, D. W.	FLATPACK REFLOW SOLDERING	141
BOWLEN, D. W.	FLATPACK INSTALLATION BY SINGLE-PROBE REFLOW SOLDERING	326
BOWLEN, D. W.	HAND TOOL FOR INSTALLING SOLDER FORMS OVER COMPONENT LEADS	602(REV.)
BRACKNEY, K. H.	RESISTANCE MEASUREMENTS BY RATIO EMPLOYING VOLTAGE TO FREQUENCY CONVERTERS	63
BRADLEY, J. O.	DESIGN OF A WIRE TENSIONING DEVICE	844(REV.)
BRANSTETTER, D.	FLEXIBLE CABLE LACING	91
BREWER, D. H.	SOLDERS FOR THICK GOLD PLATING	133
BREWER, D. H.	ANALYSIS OF THICK FILM CONDUCTOR INKS	1491
BRONSON, M. J.	DESIGN IMPROVEMENTS FOR CYCLIC INJECTION MOLDS	1239
BROWN, E. R.	EFFECTS OF COATING AND CLEANING ON CORONA AND HIGH-VOLTAGE BREAKDOWN IN ELECTRONIC ASSEMBLIES	1181(REV.)
BROWN, L. W.	BEAM LEAD SEMICONDUCTOR TESTING AND FAILURE ANALYSIS	614
BROWN, L. W.	BEAM LEAD TESTING, HANDLING, AND FAILURE ANALYSIS	975(REV.)
BROWN, L. W.	BEAM LEAD DEVICE TEMPERATURE TESTING	1275
BRUEGGE, D. C.	FILAMENT WINDING A THIN-WALL FIBERGLASS HEMISPHERE	827
BRUEGGE, D. C.	DESIGN IMPROVEMENTS FOR CYCLIC INJECTION MOLDS	1239
BRUEGGE, D. C.	EVALUATION OF LOOP AND PARALLEL OIL CHANNEL DESIGNS	1423
BURK, P. F.	COA725 TRANSFORMER LEAD SOLDER JOINT EVALUATION	1234(REV.)
BUSHEY, C. E.	FLOW AND EXHAUST SYSTEM FOR CHEMICAL VAPOR DEPOSITION OF TUNGSTEN-RHENIUM ALLOY	1520
BUTLER, R. W.	WHAT CAN THE QUALITY ENGINEER EXPECT FROM MEASURING INSTRUMENTS	57
CABLE, J. W.	DUAL CHANNEL MIXER	1282
CABLE, J. W.	PROGRAMMABLE DATA ACQUISITION SYSTEM FOR MICROWAVE CALIBRATION	1722
CAMERON, L. S.	FLEXIBLE CABLE LACING	91
CAMP, C. J.	EPON 828/MENTHANE DIAMINE CURING FACTORS	109
CAMP, C. J.	THE BEGGS MMD TEST FOR DETERMINING THE SHELF LIFE OF FILM ADHESIVE	507
CAMP, C. J.	INVESTIGATION OF POLYSULFIDE CONFORMAL COATING	960(REV.)
CAMP, C. J.	DEPOTTING ELECTRONIC ASSEMBLIES	1530
CARDER, J. H.	APPLICATION OF STATISTICAL METHODS TO MANUFACTURING OPERATIONS	1079

AUTHOR	TITLE	DOCUMENT NUMBER BDX-613-
CARROLL, W. R.	COULOMETRIC DETERMINATION OF INORGANIC HALIDE IMPURITIES IN POLYSTYRENE AFTER DISSOLUTION IN 2-BUTANONE	120
CARSON, J. S.	A THEORETICAL TREATMENT OF LOW VOLTAGE CONTINUOUS SPECTRUM X-RADIATION	4
CARSON, J. S.	TIMESAVING WITH A PARALLEL ANALYZING CHANNEL ATTACHMENT	34
CARSON, J. S.	AN EVALUATION OF THE X-RAY FLUORESCENCE METHOD OF PRECIOUS METAL PLATING THICKNESS MEASUREMENTS	1284
CARTER, H.	USES OF LOW VOLTAGE X-RAY TUBES WITH THIN BERYLLIUM WINDOWS	15
CARTER, L. S.	STATIC CHARGE AND CURRENT LEAKAGE EFFECTS RELATING TO MANUFACTURE OF JFET ASSEMBLIES	994(REV.)
CARTER, L. S.	CONTROL OF ELECTROSTATIC DAMAGE TO SOLID STATE DEVICES	1080
CARTER, R. C.	IMPROVED WORK DIRECTORS	964(REV.)
CARUTHERS, D. J.	EFFECT OF VOIDS ON THE COMPRESSIVE STRENGTH OF MOLDED RIGID URETHANE FOAM	532
CARUTHERS, D. J.	CHARACTERIZATION OF CONATHANE EN-4 URETHANE RESIN	842(REV.)
CARUTHERS, D. J.	COMPARISON OF ALTERNATE MATERIALS FOR NOCA CURED ADIPRENE L-100	1207
CARUTHERS, D. J.	HYDROLYTIC STABILITY OF ADIPRENE L-100 AND ALTERNATE MATERIALS	1489
CARUTHERS, D. J.	MATERIAL AND PROCESSING COMPARISONS OF FOUR CONFORMAL COATINGS	1496(REV.)
CATALANS, S. J.	FUNDAMENTALS OF HYDROGEN THYRATRONS	3
CHAIT, M. J.	LINING OF COMPRESSION SET TEST FIXTURES	410
CHAMBERS, D. H.	WOVEN-WIRE TAPE VENDOR DEVELOPMENT FY73-3	914(REV.)
CHANDLER, L. E.	PARALLEL GAP BRAZING	140
CHARTOFF, R. P.	CARBON FOAM-A CELLULAR STRUCTURAL MATERIAL FOR HIGH TEMPERATURE APPLICATION	112
CHERAMY, E. R.	PERCUSSIVE ARC WELDING FOR ELECTRICAL ASSEMBLIES	126
CHERAMY, E. R.	PARALLEL GAP BRAZING	140
CLAGGETT, S. F.	LINE OF BALANCE ACCURACY	442
CLAY, F. A.	SOLID LUBRICANT APPLICATION BY SPRAY AND TUMBLE METHODS	108
CLAY, F. A.	ELECTRODEPOSITION OF ALUMINUM	115
CLAY, F. A.	ALUMINUM PLATING GRAPHITE FIBERS AND BERYLLIUM WIRE	865(REV.)
CLAY, F. A.	CHEMICAL VAPOR DEPOSITION OF ALUMINUM	866(REV.)
CLAY, F. A.	ALUMINUM PLATING OF BERYLLIUM WIRE	874
CLAY, F. A.	ELECTRODEPOSITION OF ALUMINUM FROM ETHER-HYDRIDE SOLUTIONS	875(REV.)
CLAY, F. A.	CHARACTERIZATION OF A CHROMIUM-GOLD DEPOSITION PROCESS FOR THE PRODUCTION OF THIN FILM HYBRID MICROCIRCUITS	1109
CLAY, F. A.	CHARACTERIZATION OF A CHROME-GOLD THIN FILM DEPOSITION PROCESS BY AUGER ANALYSIS	1173
CLAY, F. A.	PLATING HYBRID MICROCIRCUITS	1575
CLEMENTS, D. W.	REWORK OF MULTILAYER PRINTED WIRING BOARD ASSEMBLIES	1315
CLEMENTS, D. W.	COMPUTER AIDED FAILURE ANALYSIS	1369(REV.)
COHAN, G. M.	COMPUTERIZED QUALITY CONTROL	26
COLE, B. C.	SYNTHESIS OF TOLUENE DIISOCYANATE DIMER (TDID)	506
COMBS, E. E.	EFFECTS OF THERMAL EXPANSION ON EPOXY GLASS LAMINATES	1171

AUTHOR	TITLE	DOCUMENT NUMBER
CONWAY, J. M.	MOISTURE EFFECTS ON THERMOSET MOLDING COMPOUNDS	821(REV.)
CONWAY, J. M.	IMPROVED DENSITY CONTROL OF MOLDED DESICCANTS	910(REV.)
CONWAY, J. M.	EFFECTS OF MOISTURE UPON SPIRAL FLOW IN THERMOSET MOLDING COMPOUNDS	930(REV.)
COOPER, E. B.	LINEAR TRANSDUCER TIP PRESSURE CHECKER	904
COOPER, E. B.	NONDESTRUCTIVE TESTING OF WELDED ELECTRICAL CONNECTORS	1190(REV.)
COUPLAND, W. C.	CAPPING FIXTURE FOR DISCRETE SEMICONDUCTORS	1285
COX, K. O.	NONDESTRUCTIVE TESTING OF PERCUSSIVE ARC WELDS	561(REV.)
CROCKETT, R. R.	BONDING STRENGTH OF ENCAPSULATING MATERIALS TO HOOKUP WIRE	135
CROCKETT, R. R.	SILICONE ELASTOMER EVALUATION FOR CABLE JACKET APPLICATION	1507(REV.)
CROMWELL, W. E.	INVESTMENT CASTING TO ENHANCE PRODUCIBILITY--A CASE STUDY	291
CROMWELL, W. E.	THE CREATION OF LARGE CASTINGS BY THE INVESTMENT PROCESS	824(REV.)
CROMWELL, W. E.	COST SAVING THROUGH APPLICATION OF THE INVESTMENT CASTING PROCESS	1126(REV.)
CROMWELL, W. E.	REDUCE THE COST OF ELECTRONIC PACKAGING WITH INVESTMENT CASTINGS (CONFERENCE PAPER)	1720
CUMMINGS, D. A.	QUANTITATIVE COMPARISON OF ELECTRONIC COMPONENT-SOLDER JOINT STRESS RELIEF IN ENCAPSULATED ASSEMBLIES	1868
CUMMINGS, D. A.	PROCESS EFFECTS ON HIGH VOLTAGE ELECTRICAL ASSEMBLIES	1887
DALY, J. C.	THERMOPLASTIC FRONTIER LAWS--GOOD AND BAD GUYS	60
DALY, J. C.	THIN INSULATOR SHAPES	502(REV.)
DALY, J. C.	A DESCRIPTION OF VARIOUS METHODS OF PREPARING POLYAMIC ACIDS AND POLYIMIDES	509
DALY, J. C.	EVALUATION OF HIGH TEMPERATURE DIELECTRICS	534(REV.)
DANIEL, R. A.	STATIC COMPRESSIVE TESTING OF RIGID POLYURETHANE FOAM	1036(REV.)
DANIEL, R. A.	DYNAMIC RESPONSE OF RIGID POLYURETHANE FOAM	1583(REV.)
DARBYSHIRE, H. F.	THIRD-DIRECTION REINFORCEMENT OF CARBONIZED COMPOSITES	144
DARBYSHIRE, H. F.	SPLIT FIBERGLASS HOLDER	198
DARNER, G. S.	ULTRASONIC WELDING OF ELECTRICAL TERMINATIONS	1158(REV.)
DARNER, G. S.	ULTRASONICALLY WELDING ELECTRIC TERMINALS	1376(REV.)
DARNER, G. S.	CLOSED CIRCUIT TELEVISION WELDING ALIGNMENT SYSTEM	1533
DARNER, G. S.	WELDING ELECTRIC TERMINALS ULTRASONICALLY	1565
DARNER, G. S.	SHIELDING EFFECTIVENESS OF SINGLE CONDUCTOR FLAT SHIELDED CABLES	1685
DAVIS, B. A.	EFFECTS OF TEMPERATURE ON FILLED EPOXY ENCAPSULATION MATERIALS	11
DAVIS, B. A.	POTTING PROBLEMS RELATED TO PACKAGING DESIGN	23
DAVIS, J. W.	MONITORING SINUSOIDAL VIBRATION ENVIRONMENTS WITH A TV SYSTEM	1295
DAVIS, JR., M. V.	THE ANALYSIS OF TIN-IRIDIUM-ZINC ALLOYS	37
DAVIS, JR., M. V.	A METHOD FOR INTERRUPTING A HIGH STRAIN RATE TENSION TEST BEFORE SPECIMEN FRACTURE	81
DAVIS, JR., M. V.	POLYMERIC CO-DEPOSITION IN GOLD ELECTROPLATE	310
DAVIS, JR., M. V.	SOLDERABILITY PROBLEMS CAUSED BY GOLD ELECTROPLATE	324
DEGISI, S. L.	EFFECT OF MOLECULAR STRUCTURE ON THE AGING PROPERTIES OF FLEXIBLE URETHANE FOAMS	75



AUTHOR	TITLE	DOCUMENT NUMBER 8DX-613-
DEGISI, S. L.	STRUCTURAL APPLICATION CHARACTERISTICS OF A RIGID URETHANE FOAM SYSTEM	95
DEGISI, S. L.	EFFECT OF AMINE CATALYST ON COMPRESSIVE PROPERTIES OF URETHANE FOAM	870
DEGISI, S. L.	EFFECTS OF VARYING FORMULATIONS OF THREE TDI POLYURETHANE FOAMS	1137(REV.)
DEGISI, S. L.	IMPROVED BONDABILITY OF MOLDED RIGID URETHANE FOAM BY PLASMA TREATMENT (CONFERENCE PAPER)	1915
DOBSON, C. P.	LASER BALANCING OF VERGE AND SHAFT ASSEMBLIES	724
DOUSSARD, J. R.	A METHOD OF IMPROVING ANALOG COMPARATOR CALIBRATION ACCURACY	1013
DRAKE, S. R.	COMPARISON OF ORTHOGONAL CURVILINEAR COORDINATE SYSTEMS FOR MINIMUM ERROR	184
DRAKE, S. R.	PLATINUM RESISTANCE THERMOMETER CALIBRATION ON THE INTERNATIONAL PRACTICAL TEMPERATURE SCALE OF 1968	1373
DRAYER, D. W.	ULTRASONIC SPOT WELD EVALUATION	14
DRAYER, D. W.	ULTRASONICS AS A THICKNESS MEASURING TOOL	88
DRISCOLL, B. J.	MICROBONDING AND PACKAGING FOR HYBRID MICROELECTRONIC CIRCUITS	153
DUNGAN, R. H.	EFFECTS OF SINTERING ATMOSPHERES ON THE ELECTRICAL AND CERAMIC PROPERTIES OF LEAD ZIRCONATE-LEAD TITANATE FERROELECTRICS	45
EASTERDAY, M. R.	AUDARE-A DEVICE FOR RECORDING DATA	10
EBY, W. G.	TRANSDUCER FOR GAGING PRESSURE-SENSITIVE PARTS	879(REV.)
EBY, W. G.	CALIBRATION METHOD FOR COORDINATE MEASURING MACHINES	1242
EDMAN, G. W.	COMPRESSION PLATENS FOR LOAD VERSUS DEFLECTION TESTING OF SILICONE ELASTOMERS	374
EDMAN, G. W.	MOISTURE CONTENT STUDY OF Y-3333 CELLULAR SILICONE	386(REV.)
EDMAN, G. W.	DEVELOPMENT OF ELASTOMER CUSHIONS	387(REV.)
EDMAN, G. W.	DEVELOPMENT OF ELASTOMER CUSHIONS, FY71-3	393(REV.)
EDMAN, G. W.	DEVELOPMENT OF ELASTOMER CUSHIONS, FY71-4	493(REV.)
EDMAN, G. W.	PROCESS EVALUATION OF NEW CELLULAR SILICONE MATERIAL	1082(REV.)
EDWARDS, JR., H. J.	HIGH-DENSITY BRAID CABLE SHIELDS, FY72-4	776(REV.)
EDWARDS, JR., H. J.	FATIGUE FAILURE IN BRAIDED ELECTROMAGNETIC-RADIATION SHIELDING	1192(REV.)
ELDER, JR., C. W.	RECOMMENDED SCREW TORQUES FOR 0.6, 0.8, AND 1.0 UNIFIED NATIONAL MINIATURE THREADS	825
ELDER, JR., C. W.	ORBITAL HEADFORM STAKING APPLICATIONS FOR MINIATURE ELECTROMECHANICAL ASSEMBLIES	972
ELDER, JR., C. W.	A PRESS FIT INTERFERENCE-LIMIT STUDY FOR MINIATURE ASSEMBLIES	1319
ELMER, E. R.	A SOLID STATE CIRCUIT BREAKER	1062
ELROD, L. A.	COMPUTERIZED INTERPRETATION OF A DATA CHARACTERISTIC	87
EMERY, J. D.	A BOUNDARY VALUE DETERMINATION OF CONTACT ANGLE	2003
ENDICOTT, D. W.	ELECTRODEPOSITION OF NICKEL-COBALT ALLOY: OPERATING PARAMETERS AND PHYSICAL PROPERTIES OF THE DEPOSITS	66
EPPES, T. A.	APPLICATION OF MOIRE TECHNIQUES TO FIXTURELESS GAGING	1213
ESTEP, C. C.	NONDESTRUCTIVE TESTING OF PERCUSSIVE ARC WELDS	107

AUTHOR	TITLE	DOCUMENT NUMBER BDX-613-
EVANS, M. E.	SOLDER SPLATTER CAUSED BY OUTGASSING HOLES IN PRINTED WIRING BOARDS	505
EVANS, M. E.	EVALUATION OF ALKALINE ETCHANTS FOR PRINTED WIRING BOARDS	1523
FENDER, J. R.	MEDIUM DENSITY MOLDED FOAM	209
FENDER, J. R.	FILLED FOAM MANUFACTURING AND TESTING TECHNIQUES	252
FENDER, J. R.	POLYURETHANE FOAM MATERIAL AND PROCESS DEVELOPMENT	300
FENDER, J. R.	MATERIAL AND PROCESS DEVELOPMENT OF POLYURETHANE FOAM, FY71-4	485(REV.)
FENDER, J. R.	MIXING HEAD FOR URETHANE FOAM METERING AND MIXING MACHINES	537
FENDER, J. R.	MATERIAL AND PROCESS DEVELOPMENT OF POLYURETHANE FOAM, FY72-1	553(REV.)
FENDER, J. R.	MATERIAL AND PROCESS DEVELOPMENT OF POLYURETHANE FOAM, FY72-3	718
FENDER, J. R.	MATERIAL AND PROCESS DEVELOPMENT OF POLYURETHANE FOAM, FY73-1	797
FENDER, J. R.	MATERIAL EVALUATION OF POLYURETHANE FOAM, 0.05 G/CM <sup>3</sup> DENSITY	1836
FENDER, J. R.	POLYURETHANE FOAM 0.056/CM <sup>3</sup> DENSITY	1964
FINLAY, G.	PROTOTYPE DIRECT NUMERICAL CONTROL SYSTEM	1585
FINLAY, G. L.	DIRECT NUMERICAL CONTROL OF MACHINE TOOLS	540(REV.)
FINLAY, G. L.	EDITING CAPABILITY FOR DIRECT NUMERICAL CONTROL	1688
FINLAY, G. L.	OVERVIEW OF DIRECT NUMERICAL CONTROL	1917
FINLAY, G. L.	DIRECT NUMERICAL CONTROL AT BENDIX KANSAS CITY DIVISION	2018
FLOERSCH, R. H.	THEORY AND OPERATION OF THE BENDIX MOLD HEATING AND COOLING EQUIPMENT	369
FLOERSCH, R. H.	FLUID FLOW ANALYSIS IN THE MOLD HEATING AND COOLING LOOP	742
FLOERSCH, R. H.	EXPERIMENTAL TESTING FOR MOLD TEMPERATURE RESPONSES	1111(REV.)
FLOERSCH, R. H.	COMPUTER SIMULATION OF THE MOLD HEATING AND CONTROL LOOP, USING CONVENTIONAL CONTROL STRATEGIES	1764
FLOERSCH, R. H.	MOLD HEATING AND COOLING SYSTEMS	1979
FLOERSCH, R. H.	DIGITAL CONTROLLER DESIGN, ANALYSIS, AND IMPLEMENTATION FOR THE MOLD HEATING AND COOLING SYSTEM	1980
FLOERSCH, R. H.	MOLD HEATING AND COOLING SYSTEMS	1990
FLOERSCH, R. H.	DIGITAL CONTROLLER FOR CYCLIC TEMPERATURE CONTROL	2010
FLOWERS, R. R.	FAST RECOVERY TIME DIODE TESTING	315
FORMAN, G. W.	A DISTORTION ENERGY FAILURE THEORY FOR ORTHOTROPIC MATERIALS	136
FORMAN, G. W.	A STRESS ANALYSIS OF THICK-WALL ORTHOTROPIC SPHERICAL VESSELS	137
FORMAN, G. W.	DESIGN OF JOINTS FOR FILAMENT-WOUND CYLINDERS	142
FORMAN, G. W.	DESIGN AND DEVELOPMENT OF A THREE-DIMENSIONAL INTERLOCKED, FILAMENT-WOUND COMPOSITE	143
FORMAN, G. W.	DEVELOPMENT OF A LIGHT LOAD FRICTION TESTER	1104
FORTE, N. V.	THIN-FILM HYBRID MICROCIRCUIT SUBSTRATE METALLIZATION	760(REV.)
FOSSEY, D. J.	VOLATILE LOSS IN POLYSTYRENE FOAM	578
FOSSEY, D. J.	FABRICATION OF OPEN CELL POLYETHYLENE FOAM	869

AUTHOR	TITLE	DOCUMENT NUMBER BDX-613-
FOSSEY, D. J.	DESIGN MANUAL FOR POLYSTYRENE FOAM, RELATING PHYSICAL, MECHANICAL, AND CHEMICAL PROPERTIES	1033
FOSSEY, D. J.	A NEW POTTING MATERIAL-EXPANDABLE POLYSTYRENE BEAD FOAM	1647
FOSSEY, D. J.	MECHANICAL PROPERTIES OF 0.2 G/CM <sup>3</sup> POLYSTYRENE BEAD FOAM	1725
FOTOPOULOS, C. U.	AFAP REINFORCED COMPOSITE CASE (FY70-3)	254
FOTOPOULOS, C. U.	HIGH TEMPERATURE THERMAL INSULATION	288(REV.)
FOTOPOULOS, C. U.	REINFORCED COMPOSITE CASE, FY70-4	289(REV.)
FOTOPOULOS, C. U.	HIGH TEMPERATURE THERMAL INSULATION	303(REV.)
FOTOPOULOS, C. U.	HIGH TEMPERATURE THERMAL INSULATION	313
FOULK, L. R.	PRECISION FREQUENCY MULTIVIDER	882
FREUND, R. W.	NONMETALLIC TOOLING CAPABILITIES AND ECONOMICS, FY72-4	738
FREUND, R. W.	NONMETALLIC TOOLING CAPABILITIES AND ECONOMICS, FY73-1	778
FREUND, R. W.	NONMETALLIC TOOLING CAPABILITIES AND ECONOMICS	1065(REV.)
FRICKE, B. D.	DESIGN MODIFICATION FOR HIGH VOLTAGE ELECTRON BEAM WELDING MACHINE	1488
FRIEBE, E. R.	INDUCTION SOLDERING EVALUATION	1453
FRYE, E. R.	SPIRAL WRAP: A TECHNIQUE FOR FABRICATING THICK-WALL CARBON COMPOSITES	433
GALBRAITH, J. F.	PARALLEL GAP BRAZING	140
GALBRAITH, J. F.	HIGH-DENSITY BRAID CABLE SHIELD, FY72-1	543(REV.)
GALBRAITH, J. F.	HIGH-DENSITY BRAID CABLE SHIELDS, FY72-3	690
GALLAHER, J. B.	DEVELOPMENT OF AN AUTOMATED ENCAPSULATION SYSTEM	1493
GALLAHER, J. B.	DEVELOPMENT OF AN AUTOMATED FOAM PROCESSING SYSTEM	1691
GALLEGOS, J.	SIMULATION MODELING OF AN AUTOMATED MATERIAL STORAGE/RETRIEVAL SYSTEM	1870
GANQUIST, W. A.	CONDUCTIVITY TESTING OR EDDY CURRENT TESTING WITH THE FM-100MAGNATEST CONDUCTIVITY METER	18
GATES, W. G.	GLASS SEALING PROCESS FOR ELECTRICAL FEEDTHROUGHS	1424(REV.)
GATES, W. G.	CERAMIC-TO-METAL SEALING	1683(REV.)
GENSER, D. S.	NONDESTRUCTIVE TESTING OF PERCUSSIVE ARC WELDS	107
GIBSON, D. L.	FOCUSING PRESSURE SHOCK WAVES IN LIQUID FOR EFFICIENT HYDROELECTRIC FORMING	78
GIBSON, D. L.	THE EFFECT OF HIGH-STRAIN-RATE FORMING ON THE RECRYSTALLIZATION OF COPPER	93
GIBSON, D. L.	THE PROPERTIES OF ALUMINUM AND COPPER AFTER HIGH-ENERGY-RATE FORMING	102
GIBSON, D. L.	THE STRENGTHENING OF STEEL BY MARSTRAINING WITH HIGH-ENERGY-RATE FORMING EQUIPMENT	103
GILLESPIE, L. K.	DRILLING PRINTED CIRCUIT BOARDS	279
GILLESPIE, L. K.	MACHINING MINIATURE SLOTS AND FILLETS	576
GILLESPIE, L. K.	BIBLIOGRAPHY: MACHINING MINIATURE PARTS AND MINIATURE FEATURES	585
GILLESPIE, L. K.	DUBURRING: A BIBLIOGRAPHY	593
GILLESPIE, L. K.	VIBRATORY DEBURRING	735(REV.)

AUTHOR	TITLE	DOCUMENT NUMBER BDX-613-
GILLESPIE, L. K.	EXTRUDE HONE DEBURRING	948
GILLESPIE, L. K.	PROFILE MILLING	980(REV.)
GILLESPIE, L. K.	THE EFFECT OF CUTTING EDGE RADIUS ON POISSON BURR PROPERTIES	1047
GILLESPIE, L. K.	BRUSH DEBURRING OF MINIATURE PARTS	1056(REV.)
GILLESPIE, L. K.	THE EFFECTS OF REAMING VARIABLES ON BURR PROPERTIES	1083(REV.)
GILLESPIE, L. K.	PROPERTIES OF BURRS PRODUCED BY BALL BROACHING	1084(REV.)
GILLESPIE, L. K.	THE BURR--MANUFACTURING'S PERENNIAL THORN	1112
GILLESPIE, L. K.	STATE-OF-THE-ART OF GENERAL DEBURRING METHODS	1117
GILLESPIE, L. K.	THE MEASUREMENT OF BURRS	1120
GILLESPIE, L. K.	DEBURRING: AN ANNOTATED BIBLIOGRAPHY	1124
GILLESPIE, L. K.	BURRS PRODUCED BY DRILLING	1248
GILLESPIE, L. K.	BURRS PRODUCED BY SIDE-MILLING CUTTERS	1303(REV.)
GILLESPIE, L. K.	BURRS PRODUCED BY GRINDING	1372
GILLESPIE, L. K.	SKIVING	1429
GILLESPIE, L. K.	HAND DEBURRING OF PRECISION MINIATURE PARTS	1443
GILLESPIE, L. K.	FIXTURING AND HANDLING OF MINIATURE COMPONENTS	1482
GILLESPIE, L. K.	EFFECTS OF DRILLING VARIABLES ON BURR PROPERTIES	1502
GILLESPIE, L. K.	BURRS PRODUCED BY END MILLING	1503
GILLESPIE, L. K.	ECONOMIC OPTIMIZATION TECHNIQUES APPLICABLE TO PRECISION MINIATURE MACHINING	1512(REV.)
GILLESPIE, L. K.	EXTRUDE HONE DEBURRING WITH X-BASE MEDIA	1546
GILLESPIE, L. K.	DEBURRING BY CENTRIFUGAL BARREL TUMBLING	1559
GILLESPIE, L. K.	MACHINABILITY AS RELATED TO PRECISION MINIATURE PARTS	1567
GILLESPIE, L. K.	DEBURRING CAPABILITIES FOR MINIATURE PRECISION PARTS	1604
GILLESPIE, L. K.	EFFECT OF PRODUCT GEOMETRY ON BURR SIZE	1605
GILLESPIE, L. K.	DEBURRING: AND ANNOTATED BIBIIOGRAPHY	1616
GILLESPIE, L. K.	ECONOMIC TRADEOFFS IN DEBURRING	1620
GILLESPIE, L. K.	PRECISION DEBURRING OF MINIATURE PARTS	1697
GILLESPIE, L. K.	A GUIDE TO DEBURRING, DEFLASHING AND TRIMMING EQUIPMENT	1699
GILLESPIE, L. K.	ANNIHILATING THE BURR	1703
GILLESPIE, L. K.	MACHINABILITY OF METALS AS RELATED TO MINIATURE PRECISION COMPONENTS	1723
GILLESPIE, L. K.	PLANT-WIDE CONTROL OF DEBURRING COSTS	1738
GILLESPIE, L. K.	BURRS PRODUCED BY TURNING	1748
GILLESPIE, L. K.	SIZE EFFECTS IN CENTRIFUGAL BARREL FINISHING	1751
GILLESPIE, L. K.	EFFECTS OF DEBURRING CONTAMINANTS ON ELECTROPLATING ADHESIONS	1757
GILLESPIE, L. K.	DEBURRING CASE HISTORIES	1773
GILLESPIE, L. K.	DEBURRING: AN ANNOTATED BIBLIOGRAPHY, VOLUME IV	1777
GILLESPIE, L. K.	DRILLING MINATURE HOLES PART 1	1785
GILLESPIE, L. K.	DRILLING MINATURE HOLES, PART 2	1786

AUTHOR	TITLE	DOCUMENT NUMBER BDX-613-
GILLESPIE, L. K.	DRILLING MINIATURE HOLES, PART 3	1787
GILLESPIE, L. K.	AN EXTENSION OF PROPOSED DEFINITIONS FOR BURRS AND RELATED EDGE CONDITIONS	1791
GILLESPIE, L. K.	THE BURR: A 1977 REPORT ON THE TECHNOLOGY OF REDUCING ITS COST	1793
GILLESPIE, L. K.	CANADA'S 100 MILLION DOLLAR THORNIN CANADIAN MACHINERY AND METALWORKING	1888
GILLESPIE, L. K.	NEEDED RESEARCH ON BURRS, DEBURRING, AND EDGE FINISHING (TO BE PUBLISHED BY SME)	1891
GILLESPIE, L. K.	HOBBIING RATCHET WHEELS FOR MINATURE MECHANISMS	1927
GILLESPIE, L. K.	ELECTROCHEMICAL MACHINING DEEP THROUGH HOLES	1948
GILLESPIE, L. K.	ADVANCES IN DEBURRING	1977
GILLESPIE, L. K.	VIBRATORY DEBURRING: AN ANALYSIS OF COSTS (MACHINE TOOL AND BLUE BOOK)	1985
GILLESPIE, L. K.	HAND DEBURRING: A NECESSITY THAT CAN BE IMPROVED	1986
GILLESPIE, L. K.	MECHANIZED MECHANICAL DEBURRING	2017
GILLESPIE, L. K.	OBSERVATIONS ON IMPLEMENTING GROUP TECHNOLOGY FOR PRECISION MINIATURE PARTS (JOURNAL ARTICLE UC-38)	2045
GILLESPIE, L. K.	BARREL TUMBLING IS IT ECONOMICAL?	2067
GILLESPIE, L. K.	HAND DEBURRING A PLAGUE OR THE MOST ECONOMICAL WAY?	2100
GILLESPIE, L. K.	DEBURRING AN ANNOTATED BIBLIOGRAPHY, VOL V	2112
GILLESPIE, L. K.	ELECTROCHEMICAL DEBURRING ANOTHER SHARP SWORD IN THE BATTLE WITH BURRS	2132
GRACEY, J. P.	HIGH TEMPERATURE REVERSE BIAS AND POWER BURN-IN AT TRANSISTOR JUNCTION TEMPERATURES FROM 150 TO 300 DEG. C	1038
GRACEY, J. P.	FEASIBILITY STUDY OF DIODE PRECONDITIONING	1465(REV.)
GRACEY, J. P.	REHABILITY OF PACKAGED BEAM-LEAD TRANSISTORS BUILT WITH DIFFERENT PRE-SEAL ASSEMBLY TECHNIQUES	1952
GRANT, S. E.	TEN-BIT SAMPLE AND HOLD OR PEAK HOLD CONVERTER	1066
GRAY, J. L.	LAPPING EQUIPMENT INSTRUMENTATION	1264
GREEN, R. M.	DEVELOPMENT OF ELASTOMER CUSHIONS, FY69-4	440(REV.)
GRIMM, A. V.	LSI INTEGRATED CIRCUIT TEST DEVELOPMENT	1017
GRINER, R. R.	MANAGEMENT CONSIDERATIONS FOR CLEAN WORKING AREAS	44
GRINER, R. R.	A PLANT ENGINEERING DISCIPLINE FOR CLEAN WORKING AREAS	54
GRINER, R. R.	BENEFITS ACCRUED TO HIGHLY PRECISE MANUFACTURE FROM CLEAN WORK POSITIONS	55
GROSS, V. E.	APT/IGS NUMERICAL CONTROL SYSTEM	1214
GROTHER, E. W.	BORIC ACID ANALYSIS	1601
GUZZO, V. J.	DESIGN OF AN INSULATOR WHICH MUST SURVIVE HIGH G-FORCES	213
HADLEY, J. F.	A STANDARDS AND CALIBRATION PROGRAM IN A LARGE DEFENSE PLANT	43
HAHN, D. R.	COOLING ALUMINUM MOLDS USING HEAT PIPES	2039
HALE, G. J.	CHEMICAL VAPOR DEPOSITION PROCESS EQUIPMENT	269
HALE, G. J.	DEPOSITION OF ALUMINUM-COPPER ALLOY ON LAMINATED POLYIMIDE SUBSTRATES FROM AN RF INDUCTANCE SOURCE	1993
HALL, W. H.	SOLDER LEVELING APPLIED TO MANUFACTURING	465(REV.)

AUTHOR	TITLE	DOCUMENT NUMBER BOX-613-
HANLIN, R. L.	QUANTITATIVE AUGER ELECTRON ANALYSIS OF GOLD-COPPER ALLOYS	1466(REV.)
HARDING, W. B.	THE TARNISH RESISTANCE OF GOLD PLATING OVER SILVER	5
HARDING, W. B.	ELECTROPLATING ON TITANIUM AND TITANIUM ALLOYS	24
HARDING, W. B.	PHYSICAL PROPERTIES OF ELECTROFORMED NICKEL FROM SULFAMATE SOLUTIONS	32
HARDING, W. B.	SOLDERING TO GOLD PLATING	40
HARDING, W. B.	WRITING METAL FINISHING PROCESS SPECIFICATIONS	50
HARDING, W. B.	GETTING MORE OUT OF PLATING THROUGH PROCESS SPECIFICATIONS	61
HARDING, W. B.	SOLDERABILITY TESTING	73
HARDING, W. B.	ELECTRODEPOSITION OF ALUMINUM	115
HARDING, W. B.	ELECTRODEPOSITING PT AND PT-IR ALLOYS FROM MOLTEN CYANIDES: CHEMICAL PROCESS STUDIES	1064(REV.)
HARDING, W. B.	THE FEASIBILITY OF ELECTROPLATING PLATINUM-IRIDIUM OUT OF FUSED CHLORIDES	1227
HARDINGER, K. E.	AUTOMATIC PEAK POWER MEASUREMENT OF SHORT RF PULSES	1046
HARDINGER, K. E.	AUTOMATIC RADAR-SENSITIVITY MEASUREMENT	1134(REV.)
HARELAND, W. A.	ISOTROPIC ANALYSIS OF ENRICHED BORON BY CHEMICAL IONIZATION MASS SPECTROSCOPY	1940
HARRIS, R. E.	THERMAL SHOCK DEBURRING	642(REV.)
HAWKINS, E. L.	A METHOD FOR INTERRUPTING A HIGH STRAIN RATE TENSION TEST BEFORE SPECIMEN FRACTURE	81
HAX, D. H.	AN ANALOG COMPUTER FOR DEVELOPMENT PROJECT SCHEDULING	19
HAYES, R. A.	SOLID STATE CONNECTOR	1479
HEARN, N. K.	A THEORETICAL TREATMENT OF LOW VOLTAGE CONTINUOUS SPECTRUM X-RADIATION	4
HEARN, N. K.	AN EVALUATION OF THE X-RAY FLUORESCENCE METHOD OF PRECIOUS METAL PLATING THICKNESS MEASUREMENTS	1284
HECKMAN, R. V.	A QUANTITATIVE STUDY OF THE SPECTRAL DISTRIBUTION OF LOW ENERGY X-RAY DEVICES	704
HECKMAN, R. V.	BETA BACKSCATTER MEASUREMENTS OF ALUMINUM COATINGS ON MYLAR SUBSTRATES	1028(REV.)
HECKMAN, R. V.	SPATIAL DISTRIBUTION FROM SMALL BETA SOURCES AND THE EFFECTS OF APERTURE SIZE	1061
HECKMAN, R. V.	FAST NEUTRON GAUGING FEASIBILITY STUDY	1770
HECKMAN, R. V.	DEVELOPMENT OF BETA BACKSCATTER PROBES USING HIGH-INTENSITY SOURCES (CONFERENCE PAPER)	1903
HECKMAN, R. V.	RING-SHAPED BETA SOURCE IMPROVES GAGE ACCURACY	1966
HEDGES, R. S.	STATIC ELIMINATION WORK STATIONS	1953
HEDRICK, R. B.	PHOTOFABRICATION PROCESSES FOR PRINTED CIRCUITS	496
HEFNER, B. A.	LIQUID PROCESSING OF MOLDED DESICCANT	392(REV.)
HEFNER, B. A.	TRANSFER MOLDING OF CLOSE-TOLERANCE PARTS	1542
HEFNER, B. A.	EFFECTS OF MOISTURE AND TRANSFER PRESSURE ON SURFACE FINISH AND SHRINKAGE OF 52-20-30 DIALLYL PHTHALATE	1569
HENRY, J. W.	CONFIRMATION OF A NAJET DRILLING TECHNIQUE FOR SMALL HOLES	306
HESS, J. E.	DESIGNING ADHESIVES AND ADHESIVE INTERFACES FOR OPTIMUM ELECTRICAL CONDUCTIVITY	118
HESS, J. E.	A STUDY OF THE DIMENSIONAL STABILITY OF MOLDED MOLECULAR SIEVE SUPPORT DESICCANT	380

AUTHOR	TITLE	DOCUMENT NUMBER BDX-613-
HETZLER, R. F.	EVALUATION OF FOAM MIXING MACHINES	522
HIEBER, D. E.	WELDING OF HERMETIC CONNECTORS	1293(REV.)
HILE, R. A.	HIGH TEMPERATURE FLAT CABLES	161
HILE, R. A.	STEEL-RULE DIE CONTOURING EVALUATION	1049
HILE, R. A.	FLEXCIRCUIT PROTECTIVE COATINGS	1068(REV.)
HILE, R. A.	ROUND-WIRE LAMINATED FLAT CIRCUITS	1130
HILE, R. A.	PLATED THROUGH-HOLES IN FLEXCIRCUITS	1254(REV.)
HILKER, W. W.	HIGH TEMPERATURE FLAT CABLES	161
HILL, J. W.	CIRCUITRY FOR A HUMIDITY-LEVEL DETECTOR	1019
HILL, J. W.	MEASURING PENETRATION DEPTH OF ELECTRON BEAM WELDS	1353
HILL, J. W.	DETECTION AND CONTROL OF POWER-LINE TRANSIENTS AFFECTING TESTER AND GAGE PERFORMANCE	1421
HINES, R. A.	ELECTROFORMED GILDING METAL ROTATING BAND	236
HINES, R. E.	FACTORS AFFECTING VISUAL INSPECTION OF THIN FILM NETWORKS	1673
HINES, R. E.	SEMI-AUTOMATIC VISUAL INSPECTION SYSTEM FOR TWIN-FILM NETWORKS	1813
HISHAW, R. J.	TRANSFER MOLDING CLOSE TOLERANCE PARTS	166
HISHAW, R. J.	TRANSFER MOLDING OF CLOSE TOLERANCE PARTS	283
HISHAW, R. J.	COMPRESSION MOLDING OF LAMINATES	327
HISHAW, R. J.	MECHANICAL DEBURRING OF PLASTICS	988(REV.)
HOEFER, J. J.	APPLICATION OF PUNCHED CARD TECHNIQUES FOR OPTIMIZING RELIABILITY	1
HOGAN, B.	DATA INPUT TO PDP-11 BY MASS PARALLEL INTERFACE	2134
HOGAN, M. W.	RING-SHAPED BETA SOURCE IMPROVES GAGE ACCURACY	1966
HOGAN, M. W.	CONTACTOR SPEEDS S-PARAMETER TESTS	1967
HOGAN, M. W.	MASS PARALLEL INTERFACE INPUTS DATA TO PDP-11	1968
HOLLADAY, R. A.	SEMICONDUCTOR FAILURE ANALYSIS USING THE CHARACTERISTIC CURVE	9
HOLLAR, D. L.	ALUMINUM PULSE-ARC WELDING	320
HOLLAR, D. L.	ALUMINUM PULSE-ARC WELDING	321
HOLLAR, D. L.	PERCUSSIVE-ARC VERSUS PULSE-ARC WELDING	395
HOLLAR, D. L.	REMOVING INSULATION FROM ALUMINUM MAGNET WIRE	1026(REV.)
HOLLAR, D. L.	MINIATURE-INTERCONNECTION PROCESSING	1069(REV.)
HOLLAR, D. L.	PROCESSING OF MINIATURE INTERCONNECTIONS	1193(REV.)
HOLLAR, D. L.	MINIATURE INTERCONNECTION DEVELOPMENT	1651(REV.)
HOLLINGSWORTH, E. L.	FLATPACK REFLOW SOLDERING	141
HOPPEN, W. G.	AUTOMATED SCHEDULING OF MANUFACTURING RESOURCES	1077
HORN, R. T.	LASER REMOVAL OF DIELECTRIC FROM FLAT CABLES	820(REV.)
HORN, R. T.	REMOVAL OF INSULATION FROM MULTICONDUCTOR WIRE TAPE USING A CARBON DIOXIDE LASER	887(REV.)
HORN, R. T.	LASER-STRIPPING FOR WIRE BREAKAGE DIAGNOSIS	1208(REV.)
HORNBACK, D. L.	SURFACE FRICTION CHARACTERISTICS OF SILICONE RUBBER PADS	447
HOWARD, R. M.	OPTOELECTRONIC MEASUREMENT	276

AUTHOR	TITLE	DOCUMENT NUMBER BDX-613-
HUBACH, J. M.	CURE ANALYSIS OF AN ADHESIVE PRIMER	1656
HUDGINS, D. W.	MAINTENANCE WORK STANDARDS AND COMPUTERIZED WORK SYSTEM	1235
HUGHS, R. W.	INFRARED REFLOW SOLDERING	169
HUGHS, R. W.	NUMERICALLY-CONTROLLED ASSEMBLY	804
HUSBY, T. J.	CABLE FABRICATION AND ENCAPSULATION PROCESS IMPROVEMENTS, FY72-3	687
HUSBY, T. J.	CABLE FABRICATION AND ENCAPSULATION PROCESS IMPROVEMENTS, FY72-4	740
HUSBY, T. J.	CABLE FABRICATION AND ENCAPSULATION, FY73-1	775
HUSBY, T. J.	CABLE FABRICATION AND ENCAPSULATION PROCESS IMPROVEMENTS, FY73-3	909
HUSBY, T. J.	SOLDER SLEEVES	1042(REV.)
JACKSON, J. S.	TOTAL PURCHASING DATA PROCESSING SYSTEM	17
JACKSON, J. S.	WHY NOT MECHANIZE MAINTENANCE	29
JACKSON, J. S.	TOTAL PROCUREMENT SYSTEM PLAN	33
JACKSON, L. C.	SURFACE PREPARATION OF PLASTICS FOR ADHESIVE BONDING	12
JACKSON, L. C.	TEACH YOUR ENGINEERS TO DESIGN BETTER WITH ADHESIVES	25
JACKSON, L. C.	GENERAL TECHNOLOGY OF ADHESIVES	35
JACKSON, L. C.	BONDING FLUOROHALOCARBONS TO COPPER FOR ELECTRICAL APPLICATIONS	42
JACKSON, L. C.	EFFECTS OF SURFACE PREPARATION ON BOND STRENGTHS OF MAGNESIUM	68
JACKSON, L. C.	DESIGNING ADHESIVES AND ADHESIVE INTERFACES FOR OPTIMUM ELECTRICAL CONDUCTIVITY	118
JACKSON, L. C.	SURFACE ENERGETICS OF CONFORMAL COATINGS	713(REV.)
JACKSON, L. C.	SOLUBILITY PARAMETER TECHNOLOGY AND EVAPORATIVE RATE ANALYSIS USED TO EVALUATE CONTAMINANTS	859(REV.)
JACKSON, L. C.	MODIFIED PAPER HONEYCOMB AS AN ENERGY ABSORBER	981(REV.)
JACKSON, L. C.	COMPARISON OF METHODS FOR CLEANING CONTAMINATED SURFACES	1048(REV.)
JACKSON, L. C.	SOLUBILITY PARAMETERS AND EVAPORATIVE RATE ANALYSIS IN ORGANIC RESIDUE CHARACTERIZATION	1099(REV.)
JACKSON, L. C.	CONTAMINANT REMOVAL USING SOLUBILITY PARAMETER TECHNOLOGY	1200
JACKSON, L. C.	COMPATIBILITY OF CONTAMINANTS AND PLASTICS WITH SOLVENTS	1240(REV.)
JACKSON, L. C.	REMOVAL OF SILICONE GREASE AND OIL CONTAMINANTS	1522
JACKSON, L. C.	IDENTIFICATION OF AN ELECTRO-MECHANICAL ASSEMBLY CONTAMINATION PROBLEM	1625(REV.)
JACKSON, L. C.	CONTAMINANT CLEANING FOR CRITICAL ELECTRICAL ASSEMBLY AREAS	1695
JACKSON, L. C.	CONTAMINANT DETECTION CHARACTERIZATION, AND REMOVAL BASED ON SOLUBILITY PARAMETER PRINCIPLES	2028
JACKSON, L. C.	GAS PLASMA EFFECTS ON PRINTED CIRCUIT BOARD MATERIALS	2030
JACKSON, L. C.	SURFACE CLEANINESS MEASUREMENTS, CONTAMINANT CHARACTERIZATION, AND CONTROL	2083
JACKSON, W. D.	A MOVING HEAD DISC OPERATING SYSTEM FOR AN 8542A AUTOMATIC NETWORK ANALYZER (CONFERENCE PAPER)	1652
JACOBS, E. F.	NEW POTENTIAL IN RIGID POTTING COMPOUNDS	56
JAMIESON, D. R.	SYNTHESIS OF POLYAMINOBISMALEIMIDE	1480



AUTHOR	TITLE	DOCUMENT NUMBER BDX-613-
JARBOE, D. M.	JOINING MAGNETIC ALLOY 49FE-49CO-2V TO 304L STAINLESS STEEL	936
JARBOE, D. M.	AUTOMATIC LEAD FRAME PLATING	1464
JARBOE, D. M.	STRESS RELIEF TECHNIQUES FOR REDUCING THERMAL FATIGUE IN SOLDER JOINTS	1655
JARBOE, D. M.	SOLDERABILITY TEST DEVELOPMENT	1706
JARBOE, D. M.	X-RAY POLE ANALYSIS	1829
JOHNSON, E. L.	A DESCRIPTION OF VARIOUS METHODS OF PREPARING POLYAMIC ACIDS AND POLYIMIDES	509
JOHNSTON, J. R.	SYNTACTIC FOAM, FY70-3	253
JORDAN JR., H. F.	MINIATURE CORE ASSEMBLY FABRICATION AND TEST PROCESSES	1417
JORDAN JR., H. F.	FABRICATION AND PERFORMANCE OF A LAMINATED NONVOLATILE NONDESTRUCTIVE READOUT MEMORY CORE	1763
JUMP, R. D.	IMPACT TESTING OF FOAM-FILLED PAPER HONEYCOMB WITH ENERGY-ABSORPTION CHARACTERISTICS COMPARED TO BALSA AND REDWOOD	946(REV.)
JUMP, R. D.	TECHNIQUE FOR IMPACT TESTING OF CONFINED RIGID FOAM	1059(REV.)
JUNGLING, R. K.	PHYSICAL/CHEMICAL PROPERTIES OF RIGID URETHANE FOAM	106
JUNGLING, R. K.	SYNTHESIS OF TOLUENE DIISOCYANATE DIMER (TDID)	506
KATER, G. E.	MICROHM DECADE RESISTOR	877
KATER, G. E.	PRECISION DC VOLTAGE REFERENCE	1746
KAUFMAN, D. E.	DESIGN CONSIDERATIONS IN THE PRODUCTION OF STRIPLINE FERRITE CIRCULATORS	146
KELSO, G. L.	HIGH TEMPERATURE THERMAL INSULATION	313
KEPNER, M. J.	WORK-IN-PROCESS INVENTORY	1145
KIRK, JR., W. J.	JUNCTION FIELD EFFECT TRANSISTOR DEGRADATION CAUSED BY ELECTROSTATIC DISCHARGE	815
KIRK, JR., W. J.	FERRITE-CORE TRANSFORMER BONDING AND POTTING	992
KIRK, JR., W. J.	MAGNET-WIRE STRIPPING	1015(REV.)
KIRK, JR., W. J.	CONTROL OF ELECTROSTATIC DAMAGE TO SOLID STATE DEVICES	1080
KIRK, JR., W. J.	MEMORY ASSEMBLY TO HYBRID MICROCIRCUITS	1371(REV.)
KIRKPATRICK, R. L.	BINOMIAL SAMPLING PLANS INDEXED BY AQL AND LTPD	47
KIRKPATRICK, R. L.	ONE SIDED TOLERANCE LIMITS OF A NORMAL DISTRIBUTION BASED ON SAMPLE MEAN AND MEAN RANGE	49
KIRKPATRICK, R. L.	CONFIDENCE LIMITS ON A PROPORTION DEFECTIVE CHARACTERIZED BY TWO SPECIFICATION LIMITS	80
KIRKPATRICK, R. L.	CHARACTERISTICS OF SKIP LOT SAMPLING	116
KIRKPATRICK, R. L.	SOLUTIONS FOR THE WAGR SEQUENTIAL T-TEST, SEQUENTIAL VARIABLES SAMPLING TO CONTROL THE PERCENT DEFECTIVE	117
KIRKPATRICK, R. L.	QUANTITATIVE ADJUSTMENTS FOR PERCENT DEFECTIVES IN NON-NORMAL DISTRIBUTIONS	510
KIRKPATRICK, R. L.	SAMPLE SIZE TO SET SPECIFICATION LIMITS	1223
KIRKPATRICK, R. L.	APPLICATION AREA FOR STATISTICAL METHODS (CONFERENCE PAPER)	1600
KLINGSPORN, P. E.	THE REFERENCE ELECTRODE AND ITS USE IN DETERMINING INDIVIDUAL ELECTRODE POTENTIALS	412
KLINGSPORN, P. E.	REFLECTED LIGHT INTENSITY DISTRIBUTIONS FROM DEFECTS ON HIGHLY REFLECTIVE SPHERES	1174(REV.)
KLINGSPORN, P. E.	THE ANGULAR DISTRIBUTION OF DIFFUSE LIGHT REFLECTED FROM ISOLATED DEFECTS ON SUPERFINISHED SPHERES	1363(REV.)

AUTHOR	TITLE	DOCUMENT NUMBER BDX-613-
KLINGSPORN, P. E.	OPTICAL SYSTEM FOR AUTOMATED INSPECTION OF HIGHLY REFLECTIVE SPHERICAL SURFACES	1497
KLINGSPORN, P. E.	FRAUNHOFER DIFFRACTION PATTERNS FROM APERTURES ILLUMINATED WITH NONPARALLEL LIGHT	2016
KLINGSPORN, P. E.	USE OF A DISPLACEMENT MEASURING SYSTEM FOR POSITIONING A SPHERE ON A ROTATING AXIS AND FOR MEASURING THE SPHERICAL CONTOUR	2119
KNAPP, J. R.	ELECTRODEPOSITION OF NICKEL-COBALT ALLOY: OPERATING PARAMETERS AND PHYSICAL PROPERTIES OF THE DEPOSITS	66
KNOPF, W. H.	IMPROVED CURVED VACUUM BLANKETS FOR PHOTORESIST EXPOSURE	953
KNOPF, W. H.	ALUMINUM ETCHANT CONTROL STUDY	955
KNOPF, W. H.	ALUMINUM ETCHANT STUDIES	1105(REV.)
KNOPF, W. H.	IMPROVED PRECISION ALUMINUM ETCHANT	1281(REV.)
KOGAN, R. G.	EVALUATION OF CARBONYL NICKEL	77
KOLICH, J. J.	RESOURCES FORECASTING SYSTEM	1078
KORACH, G. F.	FILAMENT WINDING INITIAL DEVELOPMENT	667
KROLL, E. F.	A MICRODRILL LAPPING MACHINE	101
KUEHNLE, J. H.	PROPERTIES OF PLASMA-SPRAYED ALUMINUM COATING	408
KUEHNLE, J. H.	THERMAL SHOCK DEBURRING	642(REV.)
KUEHNLE, J. H.	HEAT TREATMENT OF 6AL-4V TITANIUM FORGINGS TO OBTAIN HIGH YIELD STRENGTH	872
KUEHNLE, J. H.	SORTING AND HANDLING LASER TARGETS	1325
LACY, L. E.	SYNTHESIS OF TOLUENE DIISOCYANATE DIMER (TDID)	506
LAMAR, F. W.	A COEFFICIENT OF THERMAL EXPANSION CAN BE DESIGNED	83
LAMAR, F. W.	TENSILE TESTING OF HIGH STRENGTH MATERIALS	110
LAMAR, F. W.	STRESS-CRACKING AND FRACTURE TOUGHNESS OF POLYCARBONATE MATERIAL	512
LAMPE, B. T.	REQUIREMENTS FOR REFLOW SOLDERING OF INTEGRATED CIRCUIT FLATPACKS	187
LAMPE, B. T.	SOLDER SPLATTER CAUSED BY OUTGASSING HOLES IN PRINTED WIRING BOARDS	505
LAMPE, B. T.	REQUIREMENTS FOR REFLOW SOLDERING OF INTEGRATED CIRCUIT FLATPACKS	664
LAMPE, B. T.	ROOM TEMPERATURE AGING PROPERTIES OF SOME SOFT SOLDER ALLOYS	1599
LANDERS, S.	SOLDERING AUTOMATION	1865
LANTZ, L. L.	AUTOMATED ANALYSIS OF HYPOPHOSPHITE IN ELECTROLESS NICKEL SOLUTIONS	499
LANTZ, L. L.	PLATING UNIFORMITY	500
LANTZ, L. L.	DETERMINING TRACE METALS IN GOLD DEPOSITS AND PLATING BATHS	873
LANTZ, L. L.	SOLUTION CONTROL FOR HYBRID MICROCIRCUIT ETCHING	1012
LARSEN, F. N.	MOLECULAR CHARACTERIZATION OF SILICONES BY GEL PERMEATION CHROMATOGRAPHY	121
LARSEN, F. N.	THERMAL PROPERTIES OF RIGID URETHANE FOAMS	132
LARSEN, F. N.	CHARACTERIZATION OF LOW DENSITY RIGID URETHANE FOAM	1890
LATIMER, C.	APPLICATION OF STATISTICAL METHODS TO MANUFACTURING OPERATIONS	1079

AUTHOR	TITLE	DOCUMENT NUMBER BDX-613-
LAUDEL, JR., A.	PHOTOMASK MEASURING SYSTEMS	650
LAUDEL, JR., A.	PLATED-THROUGH HOLES BY PLASMA-ENHANCED DEPOSITION	652
LAUDEL, JR., A.	A RAPID TCR TEST METHOD FOR TANTALUM-NITRIDE RESISTIVE FILM	1167(REV.)
LAUDEL, JR., A.	MANUFACTURING PROCESSES FOR HYBRID MICROCIRCUITS CONTAINING VIAS (CONFERENCE PAPER)	1532
LAZARUS, L. J.	A MICROMETER SPECIMEN TRANSLATOR FOR FLUORESCENT X-RAY SPECTROSCOPY	138
LAZARUS, L. J.	LOW TEMPERATURE PROPERTIES OF GENERAL ELECTRIC LEXAN 8070-112 THIN POLYCARBONATE FILM	705(REV.)
LEE, W. M.	A NEW TECHNIQUE FOR DETERMINING GAS DIFFUSIVITY IN HETEROGENEOUS MEDIA--PLASTIC FOAM	229
LEICHLITER, G. E.	EFFECTS OF BORIC ACID ON THE CURE OF BORON-FILLED U-3602 SILICONE GUM	1154(REV.)
LEMBKE, J. R.	GRAPHIC AID TO DESIGN OF SPLICED QUARTER-WAVE RESONANT LINES	82
LEMBKE, J. R.	AN EVALUATION OF SCATTERING PARAMETER TECHNIQUES AS APPLIED TO FIELD-EFFECT TRANSISTOR CHARACTERIZATION	119
LEMBKE, J. R.	AN EXPLODING BRIDGEWIRE SIMULATOR USING THE SCEPTRE CIRCUIT ANALYSIS PROGRAM	720
LEMBKE, J. R.	DYNAMIC TESTING OF EXPLODING BRIDGEWIRES	769
LEMBKE, J. R.	DIGITAL RECORDING AND ANALYSIS OF FAST EBW BURST WAVEFORMS	1381(REV.)
LEMBKE, J. R.	DIGITAL ANALYSIS OF EBW BURST WAVEFORMS	1668
LEMKE, J. R.	PROGRESS IN AUTOMATIC IMAGE MEASUREMENT	1401(REV.)
LENHARDT, B. W.	CHARACTERIZATION OF THERMOCOMPRESSION BONDING PARAMETERS FOR BEAM-LEAD BONDING	1175
LENHARDT, B. W.	REMOVAL OF HYBRID MICROCIRCUIT BEAM-LEAD DEVICES FOR POSTMORTEM TESTS	1176
LEWIS, F. H.	PRESSURE AND TEMPERATURE GRADIENTS IN TRANSFER MOLDING OF ELECTRONIC ASSEMBLIES	333
LIU, D. W.	A NEW TECHNIQUE FOR DETERMINING GAS DIFFUSIVITY IN HETEROGENEOUS MEDIA--PLASTIC FOAM	229
LIPPERT, M. C.	ACCURACY OF WEIGHT METHOD USED TO DETERMINE ALUMINUM FOIL THICKNESS	1245(REV.)
LOHR, R. D.	DESIGN EVALUATION OF INSULATOR PIN	294
LONG, C. L.	SOLDER SPLATTER CAUSED BY OUTGASSING HOLES IN PRINTED WIRING BOARDS	505
LORMIS, F. E.	TESTING PROBLEMS OF SPACE AGE PLASTICS	58
LORMIS, F. E.	MECHANICAL AND PHYSICAL PROPERTIES OF ORGANIC FOAM	562(REV.)
LOSURE, J. A.	SHORT CIRCUIT DETECTION WITH LIQUID CRYSTALS	131
LOSURE, J. A.	DIAGNOSIS OF MALFUNCTIONS IN COMPLEX ELECTRONIC ASSEMBLIES	337(REV.)
LOSURE, J. A.	PRODUCTION COATING OF VIAS IN ALUMINA SUBSTRATES WITH VACUUM EVAPORATED CHROMIUM AND GOLD (CONFERENCE PAPER)	1535
LUEBBERT, JR., L. H.	EXTRUDE HONE DEBURRING	948
LULA, J. W.	TESTING THE INTERLAMINATE ADHESION OF MULTILAYER PRINTED WIRING BOARDS	2011
LYONS, V. A.	MACHINE COOLANT SELECTION AND MAINTENANCE MANUAL	205(REV.)
MADDEN, J. P.	A STUDY OF POLYETHER-POLYOL-AND POLYESTER-POLYOL-BASED RIGID URETHANE FOAM SYSTEMS	531

AUTHOR	TITLE	DOCUMENT NUMBER BDX-613-
MARKLEY, R. E.	BEAM LEAD DEVICES AND THE HMC MANUFACTURER	779
MARKLEY, R. E.	BEAM LEAD DEVICE AND HYBRID MICROCIRCUIT TESTING	1113
MARKLEY, R. E.	HANDLING AUTOMATION AND TEMPERATURE CONTROL ADDED TO TRANSISTOR S- PARAMETER MEASUREMENT (CONFERENCE PAPER)	1536
MARKLEY, R. E.	CONTACTOR SPEEDS S-PARAMETER TESTS	1967
MARTIN, D. C.	HIGH FREQUENCY PARAMETER TECHNIQUES	347
MARTIN, R. L.	CONDUCTIVE ADHESIVES-A SUBSTITUTE FOR SOLDER	7
MARTINETTE, G. E.	A STUDY OF THE SHELF AGING CHARACTERISTICS OF Y-3333 CELLULAR SILICONE	375(REV.)
MARTINETTE, G. E.	A STUDY OF THE FUNCTIONAL CAPABILITIES OF AN AIR-BEARING COMPRESSION TEST FIXTURE	390(REV.)
MARTINETTE, G. E.	A STUDY OF THE FUNCTIONAL CAPABILITIES OF A TOTAL AREA LOADING COMPRESSION TEST FIXTURE	391(REV.)
MARTINETTE, G. E.	DEVELOPMENT OF ELASTOMER CUSHIONS	458(REV.)
MATZKANIN, T.	MEASUREMENT METHOD FOR POLYSTYRENE	355
MATZKANIN, T.	PHOTOGRAMMETRIC GAGING	547
MCCOY, J. C.	SPIRAL WRAP: A TECHNIQUE FOR FABRICATING THICK-WALL CARBON COMPOSITES	433
MCFARLAND, J. W.	RIGID URETHANE FOAM BASED ON METHYL-ALPHA-(DI)-GLUCOSIDE AND E-CAPROLACTONE	1140(REV.)
MCFARLAND, J. W.	CHEMICAL AND PHYSICAL CHARACTERIZATION OF A KEVLAR-FILLED EPOXY MOLDING COMPOUND	1816
MCFARLAND, J. W.	SHELF LIFE AGING OF DC-302 SILICONE MOLDING COMPOUND	1880
MCILROY, H. M.	CHARACTERIZATION OF AN EPOXY FOAM	125
MCILROY, H. M.	FABRICATION OF POLYIMIDE SYNTACTIC FOAM PARTS	582(REV.)
MCILROY, H. M.	LINEAR THERMAL EXPANSION OF FILLED EPOXY RESINS	952
MCILROY, H. M.	EVALUATION OF A HIGH TEMPERATURE SYNTACTIC FOAM	1178(REV.)
MCILROY, H. M.	THERMALLY CONDUCTIVE SYNTACTIC FOAM	1409(REV.)
MCILROY, H. M.	HIGH TEMPERATURE SYNTACTIC FOAM	1534
MCILROY, H. M.	GLASS MICROBUBBLE COMPOSITE FOAM	1596
MCILROY, H. M.	SYNTACTIC FOAM FROM SILVER COATED MICROBUBBLES	1790
MCILROY, H. M.	EVALUATION OF CURE CYCLES FOR SYNTACTIC FOAM	1913
MCKAY, W. P.	POLYURETHANE CABLE FABRICATION FOR SMALL QUANTITIES	74
MCKAY, W. P.	HOW TO REPAIR CONNECTOR TRI-LOCK PINS	96
MCKAY, W. P.	PREVENTING FAILURES IN SOLDERING TERMINALS	97
MCKAY, W. P.	DESIGNING AND MOLDING MODULE HOUSINGS FOR ELECTRONIC PACKAGES	122
MCKAY, W. P.	TECHNIQUES IN USING POLYURETHANE MATERIALS FOR ENCAPSULATION	123
MCKAY, W. P.	EXOTHERM LOCATION CAN CAUSE PROBLEMS IN POTTING	124
MCKAY, W. P.	DETERMINING PROPER THREAD ENGAGEMENT BY NOMOGRAPH	139
MCHIRTER, R. J.	CARBON MICROSPHERE/FIBER/POLYIMIDE BINDER SYNTACTIC COMPOSITE	1636(REV.)
MILLER, G. P.	AUTOMATIC MACHINE APPLICATION OF SOLID FILM LUBRICANT	1169
MILLER, G. P.	IMPROVED PROCESS FOR WELDING STUDS TO RING AND STUD ASSEMBLIES	2031

AUTHOR	TITLE	DOCUMENT NUMBER BDX-613-
MILLER, N. E.	CVD SCALING STUDY	414
MILLER, N. E.	THREE-BODY ABRASIVE WEAR WITH SMALL SIZE DIAMOND ABRASIVES	2108
MITCHELL, D. A.	HOLE FINISH CONTROL IN 4330 VANADIUM MODIFIED STEEL	863
MITCHELL, M. D.	HIGH TEMPERATURE FLAT CABLES	161
MITCHELL, R. E.	DEEP DRAWN STAINLESS STEEL COVERS	868
MONDAY, W. C.	FINAL REPORT ON MOTION SENSORS	791
MORGAN, R. L.	EXPERIMENTAL INVESTIGATION OF A LOW VOLTAGE OPERATING MODE IN AN EPITAXIAL MESA AVALANCHE TRANSISTOR	94
MORIN, T. J.	CHEMICAL CHARACTERIZATION OF A POLYPHOSPHORIC ACID ETCHANT	2078
MORRIS, E. W.	REDESIGN OF BENDIX VARIABLES DATA SYSTEM (CONFERENCE PAPER)	1949
MORRIS, R. S.	FLATPACK SOLDERING TO SOLDER-LEVELLED PRINTED WIRING BOARDS	839(REV.)
MORRIS, R. S.	FEASIBILITY OF DRAG SOLDERING	1051(REV.)
MORRIS, R. S.	EQUIPMENT EVALUATIONS AND PROCESS TECHNIQUES FOR DRAG SOLDERING PRINTED WIRING ASSEMBLIES	1404(REV.)
MOSAKOWSKI, J. J.	HIGH TEMPERATURE FLAT CABLES	161
MOYLE, W. F.	CONFORMAL-COATING	257
MOYLE, W. F.	CONFORMAL-COATING	265
MOYLE, W. F.	CONFORMAL-COATING	286
MOYLE, W. F.	FLOW SOLDERING AND SUPPORTING PROCESSES	330
MOYLE, W. F.	CONFORMAL COATINGS	341
MOYLE, W. F.	PROCESSING EVALUATION OF MAGNETIC PRODUCTS	518(REV.)
MOYLE, W. F.	CONFORMAL COATING FY71-3	536
MULHOLLAND, W. A.	SOLDER LEVELING OF PRINTED WIRING BOARDS	443
MULHOLLAND, W. A.	SOLDER LEVELING	616
MULHOLLAND, W. A.	SOLDER LEVELING	739
MULHOLLAND, W. A.	ULTRASONIC TINNING OF COMPONENT LEADS	996
MULKEY, J. R.	STRAIN HARDENING EXPONENT FOR 17-4 PH STAINLESS STEEL	577
MURRAY, T. F.	EFFECTS OF SINTERING ATMOSPHERES ON THE ELECTRICAL AND CERAMIC PROPERTIES OF LEAD ZIRCONATE-LEAD TITANATE FERROELECTRICS	45
MUSTAPHA, J. B.	ELECTRICAL MEASUREMENTS OF PLATING THICKNESS	1942
NANEY, R. L.	INSULATION REMOVAL FROM WOVEN WIRE TAPE	1067(REV.)
NAPIER, M. J.	BORON SHOT GRADING AND INSPECTING	155
NAPIER, M. J.	BORON SHOT FABRICATION	227(REV.)
NAPIER, M. J.	ELECTROCHEMICAL STUDIES OF THE GOLD-COPPER ELECTROPLATING BATH	430
NEAL, B. J.	NONLIN: A COMPUTER PROGRAM FOR LEAST SQUARES ESTIMATION OF NONLINEAR PARAMETERS AND APPLICATIONS	813
NEET, T. E.	PHYSICAL/CHEMICAL PROPERTIES OF RIGID URETHANE FOAM	106
NEET, T. E.	EFFECTS OF AMINE CATALYSTS ON THE PHYSICAL PROPERTIES OF A RIGID URETHANE FOAM SYSTEM	170
NEET, T. E.	EFFECT OF AMINE CATALYST ON COMPRESSIVE PROPERTIES OF URETHANE FOAM	870
NEET, T. E.	RISE-RATE TESTING OF URETHANE FOAMS	941

AUTHOR	TITLE	DOCUMENT NUMBER BOX-613-
NEET, T. E.	PREDICTING COMPRESSIVE STRENGTHS IN URETHANE FOAMS AT HIGH STRAINS	1103(REV.)
NEET, T. E.	EVALUATION OF SYNTACTIC POLYSULFIDE STRESS RELIEF COATINGS	1205(REV.)
NEWTON, K. U.	PRODUCTION OF A RELAY UNDER CONTROLLED CONDITIONS	2
NICHOLSON, W. J.	DRY MIXING OF MOLDED DESICCANT	692(REV.)
NORWOOD, D. P.	MANUFACTURING PROCESSES FOR HYBRID MICROCIRCUITS CONTAINING VIAS (CONFERENCE PAPER)	1532
NORWOOD, D. P.	WET FILM PHOTOLITHOGRAPHY OF HMCS CONTAINING VIAS	1779
O'DELL, G.	DETERMINING THE MANUFACTURABILITY OF HYBRID MICROCIRCUITS AT MICROWAVE FREQUENCIES	1582
O'DELL, G. D.	A METHOD OF INSPECTING DIELECTRIC MATERIALS AT MICROWAVE FREQUENCIES	991
O'DELL, G. D.	THE NECESSITY OF CHARACTERIZING HYBRID MICROCIRCUIT ELEMENTS AT MICROWAVE FREQUENCIES	1477
OSBORNE, G. F.	A METHOD OF EXPOSURE CONTROL FOR ELECTRON MICROSCOPY	22
OSBORNE, G. F.	A SPECIMEN TO FILM GAUGE FOR THE BACK REFLECTION CAMERA	46
OSWALD, D. D.	A NEW DEVELOPMENT IN POLYURETHANE ELASTOMER PROCESSING WHICH REDUCES CRACK SUSCEPTIBILITY AND BUBBLE ENTRAPMENT	70
PALMER, R. W.	IN-LOT VARIATIONS IN POLYSTYRENE EXPANDABLE BEADS AND BEAD FOAM	564
PALMER, R. W.	FILAMENT WINDING INITIAL DEVELOPMENT	667
PANDUSIS, N. T.	PROTECTIVE COATINGS FOR URANIUM-NIOBIUM ALLOYS	615
PANDUSIS, N. T.	BONDING DEGRADATION IN THE TANTALUM NITRIDE-CHROMIUM-GOLD METALLIZATION SYSTEM	860
PARKER, B. G.	HIGH LOAD BEARING FLEXIBLE URETHANE FOAMS	1750
PARKER, B. G.	PREPARATION AND PROPERTIES OF BLOCKED DIISOCYANATES	1796
PARKER, B. G.	SHELF-LIFE DETERMINATION OF EPOXY PREPREGS AND FILM ADHESIVES	2110
PARKER, JR., B. G.	PREPARATION OF A REMOVABLE POLYURETHANE ENCAPSULANT	1406
PARKER, JR., B. G.	PREPARATION OF URETHANE ADHESIVES	1549(REV.)
PATTERSON, E. P.	ELONGATION AS A QUANTITATIVE MEASUREMENT	53
PATTERSON, E. P.	COMPARATIVE DUCTILITY OF BRITTLE METALS BY A PRECISION ELONGATION TECHNIQUE	92
PATTERSON, E. P.	CASTING WARPAGE STUDY	1368
PATTERSON, E. P.	SMALL POWDER PARTS	1386(REV.)
PATTERSON, I. V.	DEVELOPMENT OF INSTRUMENTATION FOR RELIABLE PERCUSSIVE ARC WELDING SYSTEMS	129
PAULIC III, F.	EVALUATION OF METHODS FOR COMPUTER-AIDED DESIGN OF TEST EQUIPMENT	349
PELTIER, A. J.	MASS ANODIZATION OF TANTALUM-NITRIDE RESISTORS	1155(REV.)
PETERKORT, W. G.	ROLLER LAMINATION OF MEDIUM TEMPERATURE FLEX CIRCUITS	1412(REV.)
PETERKORT, W. G.	LOW TEMPERATURE ALUMINUM SOLDERING ANALYSIS	1557
PETERS, J. A.	AN ACTIVE LASER TRIMMER FOR PRODUCTION TRIMMING OF FUNCTIONAL HYBRID MICROCIRCUITS	1182
PETERSON, C. A.	EFFECT OF DIISOCYANATE STRUCTURE ON LOAD-BEARING PROPERTIES OF FLEXIBLE URETHANE FOAMS	16
PETERSON, C. A.	CAST FLEXIBLE URETHANE POLYMERS	20

AUTHOR	TITLE	DOCUMENT NUMBER BDX-613-
PETERSON, E. E.	AUTOMATIC PEAK POWER MEASUREMENT OF SHORT RF PULSES	1046
PETTIE, C. B.	DETERMINATION OF FOAM DENSITY	180
PETTIE, C. B.	AN EVALUATION OF THE X-RAY FLUORESCENCE METHOD OF PRECIOUS METAL PLATING THICKNESS MEASUREMENTS	1284
PIERCE, JR., R. W.	DEPOSITION OF CHROMIUM BY RADIO FREQUENCY SPUTTERING	651
PIERCE, JR., R. W.	CHARACTERIZATION OF A CHROMIUM-GOLD DEPOSITION PROCESS FOR THE PRODUCTION OF THIN FILM HYBRID MICROCIRCUITS	1109
PIERCE, JR., R. W.	CHARACTERIZATION OF CHROMIUM-GOLD FILMS FOR HYBRID MICROCIRCUITS	1564(REV.)
PIPER, R. G.	A SENSITIVE, HIGH-SPEED, DC VOLTAGE COMPARATOR	72
PIPER, W. A.	OPTIMIZATION OF LEAD FRAME BOND PARAMETERS FOR PRODUCTION OF RELIABLE THERMOCOMPRESSION BONDS	1969
PLUMB, R. S.	WEAR PREVENTION IN MOLDS USED TO MOLD BORON-FILLED ELASTOMERS (CONFERENCE PAPER)	1684
POPE, D. P.	DEVELOPMENT OF A LIGHT LOAD FRICTION TESTER	1104
POPE, D. P.	LIGHT LOAD FRICTION COEFFICIENT AND WEAR STUDY OF THREE BONDED SOLID LUBRICANTS	1170
POPE, D. P.	MOLDING MINIATURE PLASTIC PARTS	1212(REV.)
POPE, D. P.	FRICTION ANDWEAR STUDIES FOR BONDED THIN-FILM LUBRICANTS	1316
PORTER, J. R.	INJECTION MOLDING THERMOPLASTIC RUBBER	1485(REV.)
PRESSLY, H. B.	BRAZING TITANIUM STRUCTURES	1666(REV.)
PRIGEL, D. D.	WIGGLY PHASE SHIFTERS AND DIRECTIONAL COUPLERS FOR RADIO FREQUENCY HYBRID MICROCIRCUIT APPLICATIONS (CONFERENCE PAPER)	1524
QUARTERLY, B. T.	MECHANICAL PRODUCTS QUARTERLY	316
QUARTERLY, B. T.	ELECTRONICS ENGINEERING QUARTERLY	344
QUARTERLY, B. T.	QUALITY DIVISION QUARTERLY	404
QUARTERLY, B. T.	ELECTRONIC ENGINEERING QUARTERLY	431
QUARTERLY, B. T.	MATERIALS ENGINEERING QUARTERLY	460
QUARTERLY, B. T.	PLASTIC PRODUCTS ENGINEERING QUARTERLY	480
RAHE, A. H.	DEVELOPMENT OF A METALLOGRAPHIC METHOD FOR TUNGSTEN-RHENIUM	1744
RAHE, A. H.	ELECTROPOLISHING CVD TUNGSTEN	242
RAHE, A. H.	ELECTROPOLISHING OF CHEMICAL VAPOR DEPOSITED TUNGSTEN	422
RATHBUN, D. A.	ANSWERS TO LOW-COST PRODUCTION PACKAGING	84
RATHBUN, D. A.	DESTRUCTIVE TESTING OF HYBRID MICROCIRCUITS CONTAINING THERMOCOMPRESSION BONDED DEVICES AND LEAD-INDIUM SOLDERED CAPACITORS	2081
RAUCH, E. L.	DETERMINATION OF SEMICONDUCTOR JUNCTION PROFILES BY ANGLE LAPPING OF SEMICONDUCTOR WAFERS	604(REV.)
RAUCH, E. L.	SURFACE EFFECTS ON SEMICONDUCTORS	1468
REED, D. M.	A TRANSISTORIZED HIGH INPUT IMPEDANCE AMPLIFIER	13
RHODES, G. H.	THE DETERMINATION OF THE ELECTROMOTIVE FORCE OF A SATURATED STANDARD CELL	51
RICE, D. L.	HOT GAS MOLDING OF POLYSTYRENE FOAM	535
RICE, D. L.	HIGH-DENSITY POLYSTYRENE BEAD PREPARATION	1199(REV.)
RICHARDSON, D. E.	PULSE SHAPER AND DRIVER CIRCUIT	130

AUTHOR	TITLE	DOCUMENT NUMBER 80X-613-
RICHARDSON, W. E.	THE SYNTHESIS OF A LOW-DENSITY RIGID EPOXY FOAM	407
RICHARDSON, W. E.	SYNTHESIS OF TOLUENE DIISOCYANATE DIMER (TDID)	506
RICHARDSON, W. E.	LOW DENSITY FOAMS FOR VACUUM INSULATION	938
RICHARDSON, W. E.	PREPARATION OF A CTBN-MODIFIED EPOXY RESIN	1121(REV.)
RINKER, C. D.	ECONOMIC IMPROVEMENT OF INVENTORY SAMPLING	885
RINKER, C. D.	CONTINUOUS STRATIFIED SAMPLING OF IN-PROCESS INVENTORY	1032
ROBB, J. M.	AFT SUPPORT MACHINED FROM TITANIUM	525
ROBB, J. M.	OPTIMIZING MINIATURE CYLINDRICAL PIECEPART MACHINING CAPABILITIES	708(REV.)
ROBB, J. M.	PROCESS ACCEPTANCE AND ADJUSTMENT TECHNIQUES FOR SWISS AUTOMATIC SCREW MACHINE PARTS	1354(REV.)
ROBBINS, G. V.	RADIUS GENERATION IN VIBRATORY DEBURRING	85
ROBBINS, G. V.	RADIUS GENERATION IN VIBRATING FINISHING	90
ROBINSON, L. A.	CARRIER SYSTEM FOR TESTING AND CONDITIONING OF BEAM LEAD DEVICES	1708
ROBINSON, R. D.	ELECTROFORMED NICKEL MOLD INSERTS	454
RODE, J. J.	DEGRADATION OF GLASS VACUUM TUBES AS A RESULT OF HELIUM PERMEATION	21
RODE, J. J.	PERMEATION OF HELIUM INTO VACUUM TUBES	30
ROEBUCK, C. E.	VOLATILE LOSS IN POLYSTYRENE FOAM	578
ROLFE, E. J.	DEVELOPMENT OF A COMPARATIVE ANALYZER FOR MICROPROCESSOR	2060
ROME, C. P.	GROUP TECHNOLOGY	1478
RUSSELL, R. J.	SMALL ANGLE GENERATOR	111
RUSSELL, R. J.	DIFFERENTIAL PRESSURE MERCURY MANOMETER	878
RUSSELL, R. J.	MULTILAYERED PLATING THICKNESS MEASUREMENT	1632(REV.)
RUSSELL, R. J.	DEVELOPMENT OF PLATING THICKNESS STANDARDS FOR THE PHYSICAL VAPOR DEPOSITION OF ALUMINUM ON KAPTON	1634
RUSSELL, R. J.	DEVELOPMENT OF PLATING THICKNESS STANDARDS	1709
RUSSELL, R. J.	MULTILAYERED PLATING THICKNESS	1795
RUSSELL, R. J.	PLATING THICKNESS STANDARDS	1805
RUSSELL, T. J.	A VARIABLE PHASE, CONSTANT VSWR, ANTENNA LOAD	8
RUSSELL, T. J.	THE IMPEDANCE OF A COIL PLACED ON A CONDUCTING PLANE	27
RUSSELL, T. J.	RADAR ANTENNA TEST LOAD	28
RUSSELL, T. J.	DESIGN OF A VARIABLE PHASE, CONSTANT VSWR, MICROWAVE LOAD	79
RUSSELL, T. J.	A TECHNIQUE FOR MINIMIZING SLOTTED LINE MEASUREMENT ERROR	86
RUTHERFORD, W.	DETERMINING THE MANUFACTURABILITY OF HYBRID MICROCIRCUITS AT MICROWAVE FREQUENCIES	1582
RUTHERFORD, W. C.	CARBON/CARBON HONEYCOMB	335
RUTHERFORD, W. C.	FABRICATION OF FAILSAFE PRESSURE VESSELS	712
SADLER, R. L.	NEW POTENTIAL IN RIGID POTTING COMPOUNDS	56
SALARY, J.	AN EVALUATION OF COMMERCIAL POLYARYL POLYISOCYANATES IN A BENDIX KANSAS CITY FOAM SYSTEM	508
SALARY, J.	POLYURETHANE/IMIDE MODIFIED FOAM	1110



AUTHOR	TITLE	DOCUMENT NUMBER BDX-613-
SALARY, J.	FLEXIBLE POLYURETHANE FOAM	1345(REV.)
SCHANTZ, L. E.	PHOTORESIST CHARACTERIZATION METHOD FOR HYBRID MICROCIRCUITS	653
SCHANTZ, L. E.	HYBRID MICROCIRCUIT PHOTOLITHOGRAPHIC PROCESS	678
SCHANTZ, L. E.	MASK GENERATION	959(REV.)
SCHANTZ, L. E.	AUTOMATIC PHOTOMASK ALIGNMENT AND EXPOSURE ON 3.75 BY 4.50 INCH SUBSTRATES	1101(REV.)
SCHANTZ, L. E.	SPRAY PHOTORESIST DEVELOPMENT ON MULTIPLE HYBRID MICROCIRCUIT SUBSTRATES	1148
SCHANTZ, L. E.	INFRARED BAKING OF POSITIVE PHOTORESIST FOR HYBRID MICROCIRCUIT FABRICATION	1246
SCHANTZ, L. E.	PHOTORESIST APPLICATION BY ROLLER COATING	1288
SCHANTZ, L. E.	MULTIPLE HYBRID MICROCIRCUIT PROCESSING	1383
SCHANTZ, L. E.	AUTOMATIC LABORATORY DATA ACQUISITION SYSTEM	1566
SCHILLING, D. G.	SCS CASE	463
SCHLESSELMAN, L. A.	AUTOMATIC MEASURING OF TEMPERATURE COEFFICIENTS	36
SCHMIDT, A. F.	A SINGLE PULSE PEAK READING VOLTMETER	67
SCHMIDT, R. E.	USE OF EN-7 TO ENCAPSULATE ANALYZER ASSEMBLIES	1135(REV.)
SCHMIDT, R. W.	DETECTION AND SUPPRESSION OF TRANSISTOR OSCILLATION DURING POWER-BURN-IN	1144(REV.)
SCHOEPPNER, M. P.	INTERFEROMETER PRISM: PDR 187	127
SCHOEPPNER, M. P.	TESTING FOR MATERIAL FLAWS AND THERMAL DESIGN DEFECTS USING HOLOGRAPHIC INTERFEROMETRY	812
SCHOEPPNER, M. P.	HOLOGRAPHIC INTERFEROMETRY	967(REV.)
SCHUSTER, V. E.	THE IMPEDANCE OF A COIL PLACED ON A CONDUCTING PLANE	27
SEESE, H. J.	FINE-EDGE BLANKING AND PIERCING	366
SETTER, D. L.	DNC COMMITTEE FINAL REPORT	376
SETTER, D. L.	MOORE NUMBER 5 DIAMOND TURNING MACHINE DESIGN AND DESCRIPTION	2051
SETTER, R. J.	ELECTRICAL CONDUCTIVITY STUDY OF ETCHED-OUT PLATED-THROUGH HOLES IN DOUBLE-SIDED PRINTED WIRING BOARDS	1434
SHEELEY, J. D.	FLUIDIZED BED COATING	100
SHEELEY, J. D.	AUTOClave FABRICATION TECHNIQUES FOR FLAT CABLES	579(REV.)
SHEELEY, J. D.	DEVELOPMENT OF A SELF-CONTAINED LAMINATING FIXTURE	927(REV.)
SHEELEY, J. D.	DEVELOPMENT OF A FORMING STATION	1123(REV.)
SHEELEY, J. D.	DEVELOPMENT OF AN IMPROVED BONDING FIXTURE	1252(REV.)
SHEETS, L.	COMPUTER APPLICATIONS AND HYBRID MICROCIRCUITS	2020
SHEETS, L. R.	INPUT AND OUTPUT DEVICES FOR A COMPUTERIZED MASK-MAKING SYSTEM	654
SHEPHERD, D. E.	RESIN PROCESS CONTROLS	1988
SHERMAN, D. M.	DEPOSITION AND CHARACTERIZATION OF VACUUM-DEPOSITED ALUMINUM FILM ON KAPTON LAMINATES	1873
SIDOROWICZ, K.	FINITE ELEMENT ANALYSIS OF LASER INDUCED THERMAL SHOCK	2044
SIDOROWICZ, K.	FINITE ELEMENT ANALYSIS OF LASER WELDING INDUCED THERMAL SHOCK	2118
SIEGGEN, E. M.	AUTOMATIC MEASURING OF TEMPERATURE COEFFICIENTS	36

AUTHOR	TITLE	DOCUMENT NUMBER 80X-613-
SIEVER, L. W.	STRENGTH MEASUREMENTS ON TRANSISTOR HEADER LEAD WELDS	871
SIM, J. R.	INTERCONNECTION TECHNOLOGY	1346
SIMPSON, H. E.	REPORT ON DEVELOPMENT OF INDUCTANCE STANDARDS	98
SMITH, C. H.	EFFECT OF DIISOCYANATE STRUCTURE ON LOAD-BEARING PROPERTIES OF FLEXIBLE URETHANE FOAMS	16
SMITH, C. H.	CAST FLEXIBLE URETHANE POLYMERS	20
SMITH, C. H.	RIGID URETHANE FOAMS FROM E-CAPROLACTONE POLYESTERS	38
SMITH, C. H.	AN EPOXY RESIN WITH IMPROVED ELECTRICAL PROPERTIES	41
SMITH, C. H.	A CAST FLEXIBLE ESTER-URETHANE POLYMER	65
SMITH, C. H.	THERMAL CHARACTERISTICS OF SOME RIGID URETHANE FOAMS	69
SMITH, C. H.	EFFECT OF MOLECULAR STRUCTURE ON THE AGING PROPERTIES OF FLEXIBLE URETHANE FOAMS	75
SMITH, C. H.	STRUCTURAL APPLICATION CHARACTERISTICS OF A RIGID URETHANE FOAM SYSTEM	95
SMITH, C. H.	BORON TRIFLUORIDE-AMINE ADDUCTS AS HARDENERS FOR LIQUID EPOXY RESINS	105
SMITH, C. H.	PHYSICAL/CHEMICAL PROPERTIES OF RIGID URETHANE FOAM	106
SMITH, C. H.	CHARACTERIZATION OF AN EPOXY FOAM	125
SMITH, C. H.	THERMAL PROPERTIES OF RIGID URETHANE FOAMS	132
SMITH, C. H.	THERMAL PROPERTIES OF LACTONE ESTER-BASED RIGID URETHANE FOAMS	406
SMITH, C. H.	A STUDY OF POLYETHER-POLYOL-AND POLYESTER-POLYOL-BASED RIGID URETHANE FOAM SYSTEMS	531
SMITH, C. H.	EFFECT OF VOIDS ON THE COMPRESSIVE STRENGTH OF MOLDED RIGID URETHANE FOAM	532
SMITH, C. H.	PREPARATION AND PROPERTIES OF DEUTERATED POLYETHYLENE	1570
SMITH, C. H.	THERMAL AGING OF CURED ETHYLENE/VINYL ACETATE AND ETHYLENE/VINYL ALCOHOL ELASTOMERS	1577
SMITH, C. H.	A NEW POTTING MATERIAL-EXPANDABLE POLYSTYRENE BEAD FOAM	1647
SMITH, C. H.	IMPROVED BONDABILITY OF MOLDED RIGID URETHANE FOAM BY PLASMA TREATMENT	1915
SMITH, C. H.	SHELF-LIFE DETERMINATION OF EPOXY PREPREGS AND FILM ADHESIVES	2110
SMITH, D. D.	COMPUTERIZED EXOTHERM CALCULATIONS FOR LARGE EPOXY CASTINGS	114
SMITH, D. D.	SYNTACTIC FOAM EVALUATION	177
SMITH, F. M.	SURFACE TEXTURE-MEASUREMENT OR CONFUSION	89
SMITH, F. R.	CHARACTERIZATION OF THIN FILM MICROSTRIP ATTENUATORS AT MICROWAVE FREQUENCIES	1857
SMITH, J. C.	THE DETERMINATION OF AVERAGE CYCLE TIME FOR AN AUTOMATED WAREHOUSE	274
SMITH, J. C.	COMPUTER SIMULATION MODELING OF AN AUTOMATED WAREHOUSE SYSTEM	456
SMITH, L. W.	BEAM LEAD SEMICONDUCTOR TESTING AND HANDLING	194
SMITH, L. W.	BEAM LEAD SEMICONDUCTOR TESTING AND FAILURE ANALYSIS	614
SMITH, L. W.	AUTOMATIC TESTING AND HANDLING OF BEAM LEAD TRANSISTORS AND DIODES	1081
SMITH, R. M.	THERMAL AGING OF CURED ETHYLENE/VINYL ACETATE AND ETHYLENE/VINYL ALCOHOL ELASTOMERS	1577

AUTHOR	TITLE	DOCUMENT NUMBER BDX-613-
SMITH, R. M.	THERMAL AGING OF CURED ETHYLENE/VINYL... ELASTOMERS (EXPANDED VERSION OF BOX 613-1577)	1626
SMITH, R. S.	COMPUTER AIDED FAILURE ANALYSIS	1552(REV.)
SMITH, R. S.	COMPUTER AIDED FAILURE ANALYSIS	2006
SMITH, V. V.	FINAL REPORT ON MOTION SENSORS	791
SNELT, R. B.	SOLDER SPLATTER CAUSED BY OUTGASSING HOLES IN PRINTED WIRING BOARDS	505
SPIES, F. A.	COMPOSITE CHARACTERISTIC OF TWO TUNNEL DIODES IN SERIES	31
STABLEIN, JR., P. F.	CVD SCALING STUDY	414
STABLEIN, JR., P. F.	ELECTROPOLISHING OF CHEMICAL VAPOR DEPOSITED TUNGSTEN	422
STAGNER, R. T.	EQUIPMENT FOR A LASER SURFACE MEASURING SYSTEM	1848
STARKEY, J. P.	A MICROMETER SPECIMEN TRANSLATOR FOR FLUORESCENT X-RAY SPECTROSCOPY	138
STARKEY, J. P.	IMPROVED OXYGEN ANALYSIS USING A THALLIUM ACID PHTHALATE (TAP) CRYSTAL (CONFERENCE PAPER)	1622
STARKS, D. M.	DETERMINATION OF GOLD-COPPER ALLOY COMPOSITION BY X-RAY FLUORESCENCE ANALYSIS	1716
STEELE, J. W.	STATE OF CURE OF PRINTED CIRCUIT BOARDS	233
STEELE, J. W.	SPIRAL WRAP: A TECHNIQUE FOR FABRICATING THICK-WALL CARBON COMPOSITES	433
STEELE, J. W.	PROTECTION OF GLASS TUBES IN EPOXY ENCAPSULATION	931(REV.)
STEELE, J. W.	N-METHYL-2-PYRROLIDONE AS A STRIPPER FOR PLASTIC POTTING COMPOUNDS	1955
STEGMAIER, T. F.	COMPRESSION MOLDING OF LAMINATES	327
STEIN, J. D.	HIGH TEMPERATURE NONPLANAR LAMINATES	1783
STEVENS, C. A.	FOCUSING PRESSURE SHOCK WAVES IN LIQUID FOR EFFICIENT HYDROELECTRIC FORMING	78
STEVENS, C. A.	THE EFFECT OF HIGH-STRAIN-RATE FORMING ON THE RECRYSTALLIZATION OF COPPER	93
STEVENS, C. A.	THE PROPERTIES OF ALUMINUM AND COPPER AFTER HIGH-ENERGY-RATE FORMING	102
STEVENS, C. A.	THE STRENGTHENING OF STEEL BY MARSTRAINING WITH HIGH-ENERGY-RATE FORMING EQUIPMENT	103
STILES, R. W.	SHAPING RATCHET TEETH	973
STILES, R. W.	GRINDING MINIATURE PINION GEARS	1007
STILES, R. W.	ELECTROCHEMICAL GRINDING	1159
STILES, R. W.	GEAR CUTTING	1392
STILES, R. W.	SLOTING BY ELECTROCHEMICAL GRINDING	1908
STIMETZ, C. J.	ELECTRODEPOSITION OF ALUMINUM	115
STIMETZ, C. J.	GOLD PLATING	805
STIMETZ, C. J.	PLATING ON POLYIMIDE	1177(REV.)
STITTSWORTH, D. E.	ELECTRICAL TERMINATIONS: WELDED, BRAZED AND BONDED	427
STITTSWORTH, D. E.	ELECTRICAL TERMINATIONS: WELDED, BRAZED, AND BONDED, FY71-4	472
STITTSWORTH, D. E.	ELECTRICAL TERMINATIONS WELDED, BRAZED AND BONDED, FY72-1	544
STITTSWORTH, D. E.	ELECTRICAL TERMINATIONS: WELDED, BRAZED AND BONDED, FY72-2	613(REV.)
STITTSWORTH, D. E.	BENDIX KANSAS CITY ELECTRICAL TERMINATION WELDING HANDBOOK	637

AUTHOR	TITLE	DOCUMENT NUMBER 8DX-613-
STITTSWORTH, D. E.	ELECTRICAL TERMINATIONS: WELDED, BRAZED, AND BONDED, FY72-3	662
STITTSWORTH, D. E.	ELECTRICAL TERMINATIONS: WELDED, BRAZED, AND BONDED, FY72-4	773
STITTSWORTH, D. E.	ULTRASONIC WELDING OF ELECTRICAL TERMINATIONS	1016
STOLTZ, D. L.	QUANTITATIVE AUGER ELECTRON ANALYSIS OF GOLD-COPPER ALLOYS	1466(REV.)
STONE, D. W.	IMPROVED RADIO-FREQUENCY POWER STANDARDS	971
STONE, D. W.	LOW FREQUENCY SHIELDING OF AN EXPERIMENTAL MULTIWIRED CABLE	1267(REV.)
STONE, W. J.	NONDESTRUCTIVE TESTING OF PERCUSSIVE ARC WELDS	107
SWAFFORD, J. H.	APPLICATION OF PUNCHED CARD TECHNIQUES FOR OPTIMIZING RELIABILITY	1
SWAFFORD, J. H.	FAILURE MODES OF BEAM LEAD SEMICONDUCTORS IN THIN FILM HYBRID MICROCIRCUITS (CONFERENCE PAPER)	1456
SWANSON, G. D.	DESIGN MANUAL FOR POTTING ELECTRONIC ASSEMBLIES	1216(REV.)
SWANSON, G. D.	MEASURING STRESS IN LEAD WIRES	1775
SWARTZ, G. A.	THICK-FILM NETWORKS	363(REV.)
SWARTZ, G. A.	A SUSPENDED METAL MASK FOR THICK-FILM PRINTING	648
SWARTZ, G. A.	EFFECTS OF GEOMETRY ON THICK-FILM RESISTORS	649
SWISHER, P. L.	PREVENTION OF TIN-LEAD OVERHAND IN PLATED COPPER-CLAD PRINTED WIRING BOARDS	670
SWOBODA, R. C.	FEASIBILITY STUDY OF PRODUCTION OF 0.24 G/CM <sup>3</sup> -DENSITY POLYSTYRENE BEAD FOAM	1298(REV.)
SWOBODA, R. C.	FEASIBILITY STUDY FOR PRODUCING HIGH-DENSITY POLYSTYRENE BEAD FOAM	1422(REV.)
TAYLOR, J. L.	THE AUTOMATIC BIAS AND FLUX-RESET OF A MAGNETIC MODULATOR	59
TAYLOR, J. L.	DESIGN CONSIDERATIONS IN THE PRODUCTION OF STRIPLINE FERRITE CIRCULATORS	146
TAYLOR, J. L.	AN AUTOMATIC RF-NETWORK ANALYZER AS A SUPPORT TOOL FOR ENGINEERING AND MANUFACTURING	1297(REV.)
TAYLOR, J. L.	WIGGLY PHASE SHIFTERS AND DIRECTIONAL COUPLERS FOR RADIO FREQUENCY HYBRID MICROCIRCUIT APPLICATIONS (CONFERENCE PAPER)	1524
TAYLOR, R. D.	RAPID VISUAL SCANNING SYSTEMS FOR PCB'S, FY71-2	527
TAYLOR, R. D.	RAPID VISUAL SCANNING SYSTEMS FOR PCB'S, FY72-1	538
TAYLOR, R. D.	DETERMINATION OF HOLE LOCATION ON PRINTED CIRCUIT BOARDS	814
TAYLOR, R. D.	PANTOGRAPH POSITIONING SYSTEM FOR INSPECTING MICROCIRCUITS	932
TAYLOR, R. D.	OMNI-DIRECTIONAL ILLUMINATION FOR PRINTED CIRCUIT BOARD INSPECTION	942
TAYLOR, R. D.	AUTOMATED VISUAL INSPECTION SYSTEM FOR PRINTED WIRING ASSEMBLIES	1076(REV.)
TAYLOR, R. D.	AUTOMATED TESTING IN A HIGH NOISE ENVIRONMENT	1138
TAYLOR, R. D.	RAPID VISUAL SCANNING	1187
TAYLOR, R. F.	FILLED PAPER HONEYCOMB	190
TAYLOR, R. F.	INVESTIGATION OF KNITTED FABRICS	783
TAYLOR, R. F.	EFFECTS OF VARYING FORMULATIONS OF THREE TDI POLYURETHANE FOAMS	1137(REV.)
TELLEZ, R. M.	A MOVING HEAD DISC OPERATING SYSTEM FOR AN 8542A AUTOMATIC NETWORK ANALYZER (CONFERENCE PAPER)	1652
THOENI, A. K.	CARBON FOAM-A CELLULAR STRUCTURAL MATERIAL FOR HIGH TEMPERATURE APPLICATION	112

AUTHOR	TITLE	DOCUMENT NUMBER BDX-613-
THOENI, A. K.	BENDIX KANSAS CITY ELECTRICAL TERMINATION WELDING HANDBOOK	637
THOMSON, C. E.	A SLOW TIME BASE READOUT SYSTEM FOR NON-REPETITIVE PULSE ANALYSIS	71
THORNE, L. F.	THE DESIGN AND ADVANTAGES OF AN AIR-ACCELERATED IMPACT MECHANICAL SHOCK MACHINE	52
THORNE, L. F.	DESIGN OF AN INSULATOR WHICH MUST SURVIVE HIGH G-FORCES	213
THORNE, L. F.	IMPACT TESTING OF MATERIALS USING AN EIGHT-INCH AIR GUN AND COMPUTER REDUCTION OF DATA	944(REV.)
THORNE, L. F.	IMPACT TESTING OF FOAM-FILLED PAPER HONEYCOMB WITH ENERGY-ABSORPTION CHARACTERISTICS COMPARED TO BALSA AND REDWOOD	946(REV.)
THORNE, L. F.	TECHNIQUE FOR IMPACT TESTING OF CONFINED RIGID FOAM	1059(REV.)
THORPE, H. G.	THE ANALYSIS OF AN INPUT BUFFER FOR REMOTE CONTROL OF LOGIC CIRCUITS	64
TRENT, M. A.	TEMPERATURE VERSUS TIME CURVES FOR MANUAL AND AUTOMATED SOLDERING PROCESSES	1920
TSCHECHTELIN, L. F.	MODERN GAGE CONTROL	39
TURNER, W. W.	LEAD WIRE SOLDERABILITY TEST	128
ULITCHNY, M. G.	SURFACE PREPARATION OF KAPTON FOR ALUMINUM DEPOSITION	1454(REV.)
ULITCHNY, M. G.	FRACTURE MECHANICS TESTING CAPABILITY	1531(REV.)
ULITCHNY, M. G.	MECHANICAL AND MICROSTRUCTURAL PROPERTIES CHARACTERIZATION OF HEAT-TREATED BETA EXTRUDED TI-6AL-6V-2SN	1812
URIBE, F.	LASER CONTOURED AND DRILLED SUBSTRATES FOR THICK FILM APPLICATIONS	1563(REV.)
USDDE,	ENVIRONMENTAL SUMMARY FOR CALENDAR YEAR 1977	1987
VAJDIC, J. C.	CONTROL SYSTEM MODELING OF A CENTRIFUGE (CONFERENCE PAPER)	1950
VANCLEVE, R. A.	LASER CUTTING OF KEVLAR LAMINATES	1877
WADDELL, M. L.	CLEANING AND ASSEMBLY TECHNIQUES, FY73-1	793(REV.)
WADDELL, M. L.	CONTROL OF ELECTROSTATIC DAMAGE TO SOLID STATE DEVICES	1080
WAGNER, R. D.	ELECTRICAL CONNECTION STUDY	204
WAGNER, R. D.	ALUMINA LAPPING ABRASIVE STUDY	1692
WALKER, F. A.	WRITERS GUIDE TO THE PREPARATION OF ARTWORK FOR TECHNICAL REPORTS	234
WALKER, F. A.	THE EDITOR'S NOTEBOOK	259
WALKER, F. A.	TYPIST'S GUIDE TO BENDIX KANSAS CITY TECHNICAL REPORTS	261
WALKER, F. A.	THE INCOMPLEAT STYLIST	317
WALKER, J. M.	TEMPERATURE DEPENDENT PROPERTIES OF POTTING MATERIALS	1133(REV.)
WALKER, J. M.	DIELECTRIC ANALYSIS OF AN EPOXY PREIMPREGNATED MATERIAL	1396
WALKER, J. M.	LOW DENSITY EPOXY ENCAPSULANTS	1411(REV.)
WALKER, J. M.	TEMPERATURE DEPENDENT PROPERTIES OF POTTING MATERIAL	1519
WALTER, C. L.	SOLVENT ANALYSIS OF STRESSES IN MOLDED POLYCARBONATE PARTS	1172
WALTER, C. L.	EVALUATION OF THERMOPLASTIC POLYESTER MOLDING RESINS	1189
WALTER, C. L.	EVALUATION OF POLYPHENYLENE SULFIDE	1260(REV.)
WALTER, C. L.	EVALUATION OF TPX MOLDING RESIN	1301(REV.)
WALTER, C. L.	MOLDING CHARACTERISTICS OF THERMOPLASTIC FOAMS	1414(REV.)

AUTHOR	TITLE	DOCUMENT NUMBER 8DX-613-
WALTER, C. L.	INVESTIGATION OF NEW ENGINEERING THERMOPLASTICS	1425(REV.)
WALTER, C. L.	INVESTIGATION OF METHYLPENTENE POLYMER (TPX) MOLDING RESIN	1905
WALTERBACH, F. R.	ADVANTAGES OF GLASS MICRO-BALLOONS AS FILLER MATERIAL	6
WALTERS, J. A.	COMPUTER AIDED TEST SYSTEMS	275
WATKINS, G. F.	HOT GAS MOLDING OF POLYSTYRENE FOAM	535
WIEGAND, C. J.	STRUCTURAL STUDIES OF RIGID URETHANE FOAMS	48
WILEY, T. A.	EARLY PRODUCTION HISTORY ON HYBRID MICROCIRCUITS CONTAINING BEAM-LEAD DEVICES	1116(REV.)
WILLERTON, V. L.	ZIPPERED MANDRELS	99
WILLIAMS, G. A.	ELECTRICAL CONTACT SURFACE TREATMENT	402(REV.)
WILLIAMS, J. H.	COVER EVALUATION FOR LARGE HYBRID MICROCIRCUITS	1500(REV.)
WILLIAMS, J. H.	HERMETIC SEALING OF HYBRID MICROCIRCUITS--INITIAL CAPABILITY DEVELOPMENT	1930
WILLYARD, D. L.	CHARACTERIZATION AND SCHEDULE DEVELOPMENT FOR GOLD-RIBBON HYBRID-MICROCIRCUIT CROSSOVERS	897
WILSON, B. G.	AUTOMATIC TESTING AND HANDLING OF BEAM LEAD TRANSISTORS AND DIODES	1081
WILSON, J. L.	SANDIA/BENDIX STANDARD PROCESS CAPABILITY STUDY OF PRINTED WIRING BOARDS	1349
WILSON, J. L.	FABRICATION OF MULTILAYER PRINTED WIRING BOARDS	1657
WILSON, M. L.	FABRICATION OF MULTILAYER PRINTED WIRING BOARDS	382(REV.)
WILSON, M. L.	PHOTOTOOL FABRICATION METHODS	1286
WILSON, M. L.	EXPOSURE STUDY FOR DRY-FILM PHOTORESISTS	1469
WINKLER, G. D.	TEST EQUIPMENT ACCURACY	76
WISCHMANN, K. B.	A NEW POTTING MATERIAL--EXPANDABLE POLYSTYRENE BEAD FOAM	1647
WITTE, D. R.	MICROPROCESSORS AS A TOOL IN DETERMINING SPHERICS AND TORNADO GENESIS	2122
WOLFE, L. A.	IMPROVED PROCESS FOR IMPREGNATING HIGH VOLTAGE TRANSFORMERS	1650
WONNELL, L. D.	A NEW WIDE-RANGED DIRECT CURRENT CALIBRATION SOURCE	134
WONNELL, L. D.	LASER INTERFEROMETER SCALING COUNTER	703
WONNELL, L. D.	LASER CENTERING DETECTOR	933
WONNELL, L. D.	INTEGRATING SPHERE PHOTODETECTOR FOR MEASUREMENT OF CONTINUOUS-WAVE AND PEAK LASER POWER	1419
WONNELL, L. D.	MEASUREMENT OF PEAK OPTICAL POWER FROM LASER DIODES (CONFERENCE PAPER)	1719
WONNELL, L. D.	UNIVERSAL MONITOR FOR CO2 LASERS (CONFERENCE PAPER)	1907
YOUNG, D. A.	REMOVAL OF METHYLENE DIANILINE FROM CHEMICAL PLANT WASTEWATER	1981
YOUNGBERG, D. A.	ELEMENTARY RELATIONSHIPS OF WORKER EFFICIENCY TO THE WORK ENVIRONMENT	415
YOUNGBERG, D. A.	CHARACTERIZATION OF THERMOCOMPRESSION BONDING PARAMETERS FOR BEAM-LEAD BONDING	1175
YOUNGBERG, D. A.	REMOVAL OF HYBRID MICROCIRCUIT BEAM-LEAD DEVICES FOR POSTMORTEM TESTS	1176
ZAWICKI, L. R.	HMC-TO-FLATPACK ATTACHMENT	1800
ZAWICKI, L. R.	SEMICONDUCTOR DIE ATTACHMENT	1809

Appendix F

SUBJECT INDEX OF REPORTS RELEASED

REF ID: A67113

SUBJECT INDEX OF REPORTS RELEASED

SUBJECT	TITLE	DOCUMENT NUMBER BDX-613-
ABRASIVES	THREE-BODY ABRASIVE WEAR WITH SMALL SIZE DIAMOND ABRASIVES	2108
ADHESIVE BONDING	SURFACE PREPARATION OF PLASTICS FOR ADHESIVE BONDING	12
ADHESIVE BONDING	BONDING FLUOROHALOCARBONS TO COPPER FOR ELECTRICAL APPLICATIONS	42
ADHESIVE BONDING	EFFECTS OF SURFACE PREPARATION ON BOND STRENGTHS OF MAGNESIUM	68
ADHESIVES	CONDUCTIVE ADHESIVES-A SUBSTITUTE FOR SOLDER	7
ADHESIVES	TEACH YOUR ENGINEERS TO DESIGN BETTER WITH ADHESIVES	25
ADHESIVES	GENERAL TECHNOLOGY OF ADHESIVES	35
ADHESIVES	DESIGNING ADHESIVES AND ADHESIVE INTERFACES FOR OPTIMUM ELECTRICAL CONDUCTIVITY	118
ADHESIVES	THE BLENDING OF SEVEN LOTS OF MERGINAMIDE L-425 FOR USE IN THE M300 ADHESIVE	405
ADHESIVES	THE BEGGS MMD TEST FOR DETERMINING THE SHELF LIFE OF FILM ADHESIVE	507
ADHESIVES	CHARACTERIZATION OF FILM ADHESIVES	528
ADHESIVES	PREPARATION OF URETHANE ADHESIVES	1549(REV.)
ADHESIVES	CURE ANALYSIS OF AN ADHESIVE PRIMER	1656
ADHESIVES	CHEMICAL, THERMAL, AND DYNAMIC MECHANICAL PROPERTIES OF FIVE ADHESIVES	1853
ADHESIVES	THE TIME-TEMPERATURE CORRESPONDENCE OF THE DYNAMIC MECHANICAL PROPERTIES OF HALTHANE	1867
ADHESIVES	SHELF-LIFE DETERMINATION OF EPOXY PREPREGS AND FILM ADHESIVES	2110
ANALYSIS	DIGITAL ANALYSIS OF EBW BURST WAVEFORMS	1668
ANALYSIS	X-RAY POLE ANALYSIS	1829
ANALYZERS	DEVELOPMENT OF A COMPARATIVE ANALYZER FOR MICROPROCESSOR	2060
ANALYZERS	BARREL TUMBLING IS IT ECONOMICAL?	2067
ATTENUATORS	CHARACTERIZATION OF THIN FILM MICROSTRIP ATTENUATORS AT MICROWAVE FREQUENCIES	1857
BACKSCATTER	DEVELOPMENT OF BETA BACKSCATTER PROBES USING HIGH-INTENSITY SOURCES (CONFERENCE PAPER)	1903
BLDS	CARRIER SYSTEM FOR TESTING AND CONDITIONING OF BEAM LEAD DEVICES	1708
BONDING	OPTIMIZATION OF LEAD FRAME BOND PARAMETERS FOR PRODUCTION OF RELIABLE THERMOCOMPRESSION BONDS	1969
BORON	BORIC ACID ANALYSIS	1601
BORON	ISOTROPIC ANALYSIS OF ENRICHED BORON BY CHEMICAL IONIZATION MASS SPECTROSCOPY	1940
BRAZING	PARALLEL GAP BRAZING	140
BRAZING	JOINING MAGNETIC ALLOY 49FE-49CO-2V TO 304L STAINLESS STEEL	936
BRAZING	BRAZING TITANIUM STRUCTURES	1666(REV.)
BRAZING	CERAMIC-TO-METAL SEALING	1683(REV.)
BURRS	BURRS PRODUCED BY TURNING	1748
BURRS	CANADA'S 100 MILLION DOLLAR THORNIN CANADIAN MACHINERY AND METALWORKING	1888



SUBJECT	TITLE	DOCUMENT NUMBER BDX-613-
BURRS	NEEDED RESEARCH ON BURRS, DEBURRING, AND EDGE FINISHING (TO BE PUBLISHED BY SME)	1891
BURRS	VIBRATORY DEBURRING: AN ANALYSIS OF COSTS (MACHINE TOOL AND BLUE BOOK)	1985
BURRS	MECHANIZED MECHANICAL DEBURRING	2017
BURRS	DEBURRING AN ANNOTATED BIBLIOGRAPHY, VOL V	2112
BURRS	ELECTROCHEMICAL DEBURRING ANOTHER SHARP SWORD IN THE BATTLE WITH BURRS	2132
CABLES	SHIELDING EFFECTIVENESS OF SINGLE CONDUCTOR FLAT SHIELDED CABLES	1685
CABLES	HIGH DENSITY BRAID CABLE SHIELDS	2037
CABLES	RTV TOOLING EVALUATION	2038
CALIBRATION	PRECISION DC VOLTAGE REFERENCE	1746
CALIBRATION	RING-SHAPED BETA SOURCE IMPROVES GAGE ACCURACY	1966
CARBONIZATION	CARBON FOAM-A CELLULAR STRUCTURAL MATERIAL FOR HIGH TEMPERATURE APPLICATION	112
CASTING	INVESTMENT CASTING TO ENHANCE PRODUCIBILITY--A CASE STUDY	291
CASTING	THE CREATION OF LARGE CASTINGS BY THE INVESTMENT PROCESS	824(REV.)
CASTING	COST SAVING THROUGH APPLICATION OF THE INVESTMENT CASTING PROCESS	1126(REV.)
CASTING	CASTING WARPAGE STUDY	1368
CASTING	REDUCE THE COST OF ELECTRONIC PACKAGING WITH INVESTMENT CASTINGS (CONFERENCE PAPER)	1720
CHEMICAL ANALYSIS	THE ANALYSIS OF TIN-IRIDIUM-ZINC ALLOYS	37
CHEMICAL ANALYSIS	COULOMETRIC DETERMINATION OF INORGANIC HALIDE IMPURITIES IN POLYSTYRENE AFTER DISSOLUTION IN 2-BUTANONE	120
CHEMICAL ANALYSIS	MOLECULAR CHARACTERIZATION OF SILICONES BY GEL PERMEATION CHROMATOGRAPHY	121
CHEMICAL ANALYSIS	IMPROVED OXYGEN ANALYSIS USING A THALLIUM ACID PHTHALATE (TAP) CRYSTAL (CONFERENCE PAPER)	1622
CHEMICAL VAPOR DEPOSITION	ELECTROPOLISHING CVD TUNGSTEN	242
CHEMICAL VAPOR DEPOSITION	CHEMICAL VAPOR DEPOSITION PROCESS EQUIPMENT	269
CHEMICAL VAPOR DEPOSITION	CVD SCALING STUDY	414
CHEMICAL VAPOR DEPOSITION	ELECTROPOLISHING OF CHEMICAL VAPOR DEPOSITED TUNGSTEN	422
CHEMICAL VAPOR DEPOSITION	CHEMICAL VAPOR DEPOSITION OF ALUMINUM	866(REV.)
CHEMICAL VAPOR DEPOSITION	FLOW AND EXHAUST SYSTEM FOR CHEMICAL VAPOR DEPOSITION OF TUNGSTEN-RHENIUM ALLOY	1520
CIRCUIT INTERCONNECTIONS	HOW TO REPAIR CONNECTOR TRI-LOCK PINS	96
CIRCUIT INTERCONNECTIONS	ELECTRICAL CONNECTION STUDY	204
CIRCUIT INTERCONNECTIONS	MINIATURE-INTERCONNECTION PROCESSING	1069(REV.)
CIRCUIT INTERCONNECTIONS	PROCESSING OF MINIATURE INTERCONNECTIONS	1193(REV.)
CIRCUIT INTERCONNECTIONS	MINIATURE INTERCONNECTION DEVELOPMENT	1651(REV.)
CIRCUIT STRESS	MEASURING STRESS IN LEAD WIRES	1775
CIRCUITS	FABRICATION OF MULTILAYER PRINTED WIRING BOARDS	1657
CLEANING	SOLUBILITY PARAMETER TECHNOLOGY AND EVAPORATIVE RATE ANALYSIS USED TO EVALUATE CONTAMINANTS	859(REV.)

SUBJECT	TITLE	DOCUMENT NUMBER 80X-613-
CLEANING	COMPARISON OF METHODS FOR CLEANING CONTAMINATED SURFACES	1048(REV.)
CLEANING	SOLUBILITY PARAMETERS AND EVAPORATIVE RATE ANALYSIS IN ORGANIC RESIDUE CHARACTERIZATION	1099(REV.)
CLEANING	CONTAMINANT REMOVAL USING SOLUBILITY PARAMETER TECHNOLOGY	1200
CLEANING	COMPATIBILITY OF CONTAMINANTS AND PLASTICS WITH SOLVENTS	1240(REV.)
CLEANING	IDENTIFICATION OF AN ELECTRO-MECHANICAL ASSEMBLY CONTAMINATION PROBLEM	1625(REV.)
COMPOSITE MATERIALS	THIRD-DIRECTION REINFORCEMENT OF CARBONIZED COMPOSITES	144
COMPOSITE MATERIALS	HIGH TEMPERATURE THERMAL INSULATION	288(REV.)
COMPOSITE MATERIALS	HIGH TEMPERATURE THERMAL INSULATION	303(REV.)
COMPOSITE MATERIALS	HIGH TEMPERATURE THERMAL INSULATION	313
COMPOSITE MATERIALS	SPIRAL WRAP: A TECHNIQUE FOR FABRICATING THICK-WALL CARBON COMPOSITES	433
COMPOSITE MATERIALS	CARBON MICROSPHERE/FIBER/POLYIMIDE BINDER SYNTACTIC COMPOSITE	1636(REV.)
COMPUTER PROGRAMS	AN EXPLODING BRIDGEWIRE SIMULATOR USING THE SCEPTRE CIRCUIT ANALYSIS PROGRAM	720
COMPUTER PROGRAMS	NONLIN: A COMPUTER PROGRAM FOR LEAST SQUARES ESTIMATION OF NONLINEAR PARAMETERS AND APPLICATIONS	813
COMPUTER PROGRAMS	APT/IGS NUMERICAL CONTROL SYSTEM	1214
COMPUTERS	AN ANALOG COMPUTER FOR DEVELOPMENT PROJECT SCHEDULING	19
COMPUTERS	LOW FREQUENCY SHIELDING OF AN EXPERIMENTAL MULTIWIRED CABLE	1267(REV.)
COMPUTERS	MICROPROCESSORS AS A TOOL IN DETERMINING SPHERICS AND TORNADO GENESIS	2122
COMPUTERS	DATA INPUT TO PDP-11 BY MASS PARALLEL INTERFACE	2134
CONFORMAL COATING	CONFORMAL-COATING	257
CONFORMAL COATING	CONFORMAL-COATING	265
CONFORMAL COATING	CONFORMAL-COATING	286
CONFORMAL COATING	CONFORMAL COATINGS	341
CONFORMAL COATING	CONFORMAL COATING FY71-3	536
CONFORMAL COATING	SURFACE ENERGETICS OF CONFORMAL COATINGS	713(REV.)
CONFORMAL COATING	INVESTIGATION OF POLYSULFIDE CONFORMAL COATING	960(REV.)
CONFORMAL COATING	EVALUATION OF SYNTACTIC POLYSULFIDE STRESS RELIEF COATINGS	1205(REV.)
CONFORMAL COATING	MATERIAL AND PROCESSING COMPARISONS OF FOUR CONFORMAL COATINGS	1496(REV.)
CONTAMINANT	CONTAMINANT DETECTION CHARACTERIZATION, AND REMOVAL BASED ON SOLUBILITY PARAMETER PRINCIPLES	2028
CONTAMINANTS	REMOVAL OF SILICONE GREASE AND OIL CONTAMINANTS	1522
CONTAMINANTS	CONTAMINANT CLEANING FOR CRITICAL ELECTRICAL ASSEMBLY AREAS	1695
CONTAMINANTS	EFFECTS OF DEBURRING CONTAMINANTS ON ELECTROPLATING ADHESIONS	1757
CONTAMINATION	SURFACE CLEANINESS MEASUREMENTS, CONTAMINANT CHARACTERIZATION, AND CONTROL	2083
CURING AGENTS	SYNTHESIS OF TOLUENE DIISOCYANATE DIMER (TDID)	506
DATA ACQUISITION	AUTOMATIC LABORATORY DATA ACQUISITION SYSTEM	1566
DATA ANALYSIS	PROGRAMMABLE DATA ACQUISITION SYSTEM FOR MICROWAVE CALIBRATION	1722

SUBJECT	TITLE	DOCUMENT NUMBER BDX-613-
DATA ANALYSIS	DIGITAL RLC ANALYSIS OF CDU FIRESET X UNITS (CONFERENCE PAPER)	1945
DATA ANALYSIS	REDESIGN OF BENDIX VARIABLES DATA SYSTEM (CONFERENCE PAPER)	1949
DEBURRING	RADIUS GENERATION IN VIBRATORY DEBURRING	85
DEBURRING	DUBURRING: A BIBLIOGRAPHY	593
DEBURRING	THERMAL SHOCK DEBURRING	642(REV.)
DEBURRING	VIBRATORY DEBURRING	735(REV.)
DEBURRING	EXTRUDE HONE DEBURRING	948
DEBURRING	MECHANICAL DEBURRING OF PLASTICS	988(REV.)
DEBURRING	THE EFFECT OF CUTTING EDGE RADIUS ON POISSON BURR PROPERTIES	1047
DEBURRING	BRUSH DEBURRING OF MINIATURE PARTS	1056(REV.)
DEBURRING	THE EFFECTS OF REAMING VARIABLES ON BURR PROPERTIES	1083(REV.)
DEBURRING	PROPERTIES OF BURRS PRODUCED BY BALL BROACHING	1084(REV.)
DEBURRING	THE BURR--MANUFACTURING'S PERENNIAL THORN	1112
DEBURRING	STATE-OF-THE-ART OF GENERAL DEBURRING METHODS	1117
DEBURRING	THE MEASUREMENT OF BURRS	1120
DEBURRING	DEBURRING: AN ANNOTATED BIBLIOGRAPHY	1124
DEBURRING	BURRS PRODUCED BY DRILLING	1248
DEBURRING	BURRS PRODUCED BY SIDE-MILLING CUTTERS	1303(REV.)
DEBURRING	BURRS PRODUCED BY GRINDING	1372
DEBURRING	HAND DEBURRING OF PRECISION MINIATURE PARTS	1443
DEBURRING	EFFECTS OF DRILLING VARIABLES ON BURR PROPERTIES	1502
DEBURRING	BURRS PRODUCED BY END MILLING	1503
DEBURRING	EXTRUDE HONE DEBURRING WITH X-BASE MEDIA	1546
DEBURRING	DEBURRING BY CENTRIFUGAL BARREL TUMBLING	1559
DEBURRING	DEBURRING CAPABILITIES FOR MINIATURE PRECISION PARTS	1604
DEBURRING	EFFECT OF PRODUCT GEOMETRY ON BURR SIZE	1605
DEBURRING	DEBURRING: AND ANNOTATED BIBIIOGRAPHY	1616
DEBURRING	ECONOMIC TRADEOFFS IN DEBURRING	1620
DEBURRING	A GUIDE TO DEBURRING, DEFLASHING AND TRIMMING EQUIPMENT	1699
DEBURRING	ANNIHILATING THE BURR	1703
DEBURRING	PLANT-WIDE CONTROL OF DEBURRING COSTS	1738
DEBURRING	SIZE EFFECTS IN CENTRIFUGAL BARREL FINISHING	1751
DEBURRING	DEBURRING CASE HISTORIES	1773
DEBURRING	DEBURRING: AN ANNOTATED BIBLIOGRAPHY, VOLUME IV	1777
DEBURRING	AN EXTENSION OF PROPOSED DEFINITIONS FOR BURRS AND RELATED EDGE CONDITIONS	1791
DEBURRING	THE BURR: A 1977 REPORT ON THE TECHNOLOGY OF REDUCING ITS COST	1793
DEBURRING	ADVANCES IN DEBURRING	1977
DEBURRING	HAND DEBURRING: A NECESSITY THAT CAN BE IMPROVED	1986

SUBJECT	TITLE	DOCUMENT NUMBER BDX-613-
DEBURRING	HAND DEBURRING A PLAGUE OR THE MOST ECONOMICAL WAY?	2100
DEPOSITION	DEPOSITION AND CHARACTERIZATION OF VACUUM-DEPOSITED ALUMINUM FILM ON KAPTON LAMINATES	1873
DEPOSITION	DEPOSITION OF ALUMINUM-COPPER ALLOY ON LAMINATED POLYIMIDE SUBSTRATES FROM AN RF INDUCTANCE SOURCE	1993
DESICCANTS	A STUDY OF THE DIMENSIONAL STABILITY OF MOLDED MOLECULAR SIEVE SUPPORT DESICCANT	380
DESICCANTS	LIQUID PROCESSING OF MOLDED DESICCANT	392(REV.)
DESICCANTS	DRY MIXING OF MOLDED DESICCANT	692(REV.)
DESICCANTS	IMPROVED DENSITY CONTROL OF MOLDED DESICCANTS	910(REV.)
DETECTORS	FINAL REPORT ON MOTION SENSORS	791
DIISOCYANATES	PREPARATION AND PROPERTIES OF BLOCKED DIISOCYANATES	1796
DUBURRING	PRECISION DEBURRING OF MINIATURE PARTS	1697
DYNAMIC TESTS	THE DESIGN AND ADVANTAGES OF AN AIR-ACCELERATED IMPACT MECHANICAL SHOCK MACHINE	52
DYNAMIC TESTS	DYNAMIC TESTING OF EXPLODING BRIDGEWIRES	769
DYNAMIC TESTS	IMPACT TESTING OF MATERIALS USING AN EIGHT-INCH AIR GUN AND COMPUTER REDUCTION OF DATA	944(REV.)
DYNAMIC TESTS	IMPACT TESTING OF FOAM-FILLED PAPER MONEYCOMB WITH ENERGY-ABSORPTION CHARACTERISTICS COMPARED TO Balsa AND REDWOOD	946(REV.)
DYNAMIC TESTS	TECHNIQUE FOR IMPACT TESTING OF CONFINED RIGID FOAM	1059(REV.)
DYNAMIC TESTS	DYNAMIC RESPONSE OF RIGID POLYURETHANE FOAM	1583(REV.)
ECOLOGY	ENVIRONMENTAL SUMMARY FOR CALENDAR YEAR 1977	1987
ELASTOMERS	A NEW DEVELOPMENT IN POLYURETHANE ELASTOMER PROCESSING WHICH REDUCES CRACK SUSCEPTIBILITY AND BUBBLE ENTRAPMENT	70
ELASTOMERS	PROCESSING OF THIN CELLULAR SILICONE SLABS	353(REV.)
ELASTOMERS	STRETCH EFFECTS ON LOAD DEFLECTION AND THICKNESS OF Y-3333 CELLULAR SILICONE SLABS	360(REV.)
ELASTOMERS	COMPRESSION PLATENS FOR LOAD VERSUS DEFLECTION TESTING OF SILICONE ELASTOMERS	374
ELASTOMERS	A STUDY OF THE SHELF AGING CHARACTERISTICS OF Y-3333 CELLULAR SILICONE	375(REV.)
ELASTOMERS	MOISTURE CONTENT STUDY OF Y-3333 CELLULAR SILICONE	386(REV.)
ELASTOMERS	DEVELOPMENT OF ELASTOMER CUSHIONS	387(REV.)
ELASTOMERS	A STUDY OF THE COMPRESSION SET CHARACTERISTICS OF CELLULAR SILICONE SUBJECTED TO ABNORMALLY HIGH STRAIN	388
ELASTOMERS	A STUDY OF THE FUNCTIONAL CAPABILITIES OF AN AIR-BEARING COMPRESSION TEST FIXTURE	390(REV.)
ELASTOMERS	A STUDY OF THE FUNCTIONAL CAPABILITIES OF A TOTAL AREA LOADING COMPRESSION TEST FIXTURE	391(REV.)
ELASTOMERS	DEVELOPMENT OF ELASTOMER CUSHIONS, FY71-3	393(REV.)
ELASTOMERS	DEVELOPMENT OF ELASTOMER CUSHIONS, FY69-4	440(REV.)
ELASTOMERS	SURFACE FRICTION CHARACTERISTICS OF SILICONE RUBBER PADS	447
ELASTOMERS	DEVELOPMENT OF ELASTOMER CUSHIONS	458(REV.)
ELASTOMERS	DEVELOPMENT OF ELASTOMER CUSHIONS, FY71-4	493(REV.)
ELASTOMERS	PROCESS EVALUATION OF NEW CELLULAR SILICONE MATERIAL	1082(REV.)

SUBJECT	TITLE	DOCUMENT NUMBER BDX-613-
ELASTOMERS	EFFECTS OF BORIC ACID ON THE CURE OF BORON-FILLED U-3602 SILICONE GUM	1154(REV.)
ELASTOMERS	INJECTION MOLDING THERMOPLASTIC RUBBER	1485(REV.)
ELASTOMERS	HYDROLYTIC STABILITY OF ADIPRENE L-100 AND ALTERNATE MATERIALS	1489
ELASTOMERS	SILICONE ELASTOMER EVALUATION FOR CABLE JACKET APPLICATION	1507(REV.)
ELASTOMERS	THERMAL AGING OF CURED ETHYLENE/VINYL ACETATE AND ETHYLENE/VINYL ALCOHOL ELASTOMERS	1577
ELASTOMERS	THERMAL AGING OF CURED ETHYLENE/VINYL... ELASTOMERS (EXPANDED VERSION OF BOX 613-1577)	1626
ELECTRIC BATTERIES	THE DETERMINATION OF THE ELECTROMOTIVE FORCE OF A SATURATED STANDARD CELL	51
ELECTRIC CONDUCTORS	HIGH TEMPERATURE FLAT CABLES	161
ELECTRIC CONDUCTORS	SEMI-RIGID COAXIAL CVR/CABLE, FY72-3	676(REV.)
ELECTRIC CONDUCTORS	CABLE FABRICATION AND ENCAPSULATION PROCESS IMPROVEMENTS, FY72-3	687
ELECTRIC CONDUCTORS	CABLE FABRICATION AND ENCAPSULATION PROCESS IMPROVEMENTS, FY72-4	740
ELECTRIC CONDUCTORS	CABLE FABRICATION AND ENCAPSULATION, FY73-1	775
ELECTRIC CONDUCTORS	CABLE FABRICATION AND ENCAPSULATION PROCESS IMPROVEMENTS, FY73-3	909
ELECTRIC CONDUCTORS	FLEXICIRCUIT PROTECTIVE COATINGS	1068(REV.)
ELECTRIC CONDUCTORS	ROUND-WIRE LAMINATED FLAT CIRCUITS	1130
ELECTRICAL INSULATION	POLYURETHANE CABLE FABRICATION FOR SMALL QUANTITIES	74
ELECTRICAL INSULATION	THIN INSULATOR SHAPES	502(REV.)
ELECTRICAL INSULATION	MAGNET-WIRE STRIPPING	1015(REV.)
ELECTRICAL INSULATION	REMOVING INSULATION FROM ALUMINUM MAGNET WIRE	1026(REV.)
ELECTRICAL INSULATION	INSULATION REMOVAL FROM WOVEN-WIRE TAPE	1067(REV.)
ELECTRON MICROSCOPY	A METHOD OF EXPOSURE CONTROL FOR ELECTRON MICROSCOPY	22
ELECTRON TUBES	FUNDAMENTALS OF HYDROGEN THYRATRONS	3
ELECTRON TUBES	DEGRADATION OF GLASS VACUUM TUBES AS A RESULT OF HELIUM PERMEATION	21
ELECTRON TUBES	PERMEATION OF HELIUM INTO VACUUM TUBES	30
ELECTRON TUBES	PROTECTION OF GLASS TUBES IN EPOXY ENCAPSULATION	931(REV.)
ELECTRONIC CIRCUITS	A VARIABLE PHASE, CONSTANT VSWR, ANTENNA LOAD	8
ELECTRONIC CIRCUITS	A TRANSISTORIZED HIGH INPUT IMPEDANCE AMPLIFIER	13
ELECTRONIC CIRCUITS	RADAR ANTENNA TEST LOAD	28
ELECTRONIC CIRCUITS	COMPOSITE CHARACTERISTIC OF TWO TUNNEL DIODES IN SERIES	31
ELECTRONIC CIRCUITS	THE AUTOMATIC BIAS AND FLUX-RESET OF A MAGNETIC MODULATOR	59
ELECTRONIC CIRCUITS	THE ANALYSIS OF AN INPUT BUFFER FOR REMOTE CONTROL OF LOGIC CIRCUITS	64
ELECTRONIC CIRCUITS	EXPERIMENTAL INVESTIGATION OF A LOW VOLTAGE OPERATING MODE IN AN EPITAXIAL MESA AVALANCHE TRANSISTOR	94
ELECTRONIC CIRCUITS	PULSE SHAPER AND DRIVER CIRCUIT	130
ELECTRONIC CIRCUITS	MICROHM DECADE RESISTOR	877
ELECTRONIC CIRCUITS	PRECISION FREQUENCY MULTIVIDER	882

SUBJECT	TITLE	DOCUMENT NUMBER BDX-613-
ELECTRONIC CIRCUITS	CIRCUITRY FOR A HUMIDITY-LEVEL DETECTOR	1019
ELECTRONIC CIRCUITS	A SOLID STATE CIRCUIT BREAKER	1062
ELECTRONIC CIRCUITS	TEN-BIT SAMPLE AND HOLD OR PEAK HOLD CONVERTER	1066
ELECTRONIC CIRCUITS	DUAL CHANNEL MIXER	1282
ELECTRONIC TEST EQUIPMENT	TIMESAVING WITH A PARALLEL ANALYZING CHANNEL ATTACHMENT	34
ELECTRONIC TEST EQUIPMENT	RESISTANCE MEASUREMENTS BY RATIO EMPLOYING VOLTAGE TO FREQUENCY CONVERTERS	63
ELECTRONIC TEST EQUIPMENT	A SINGLE PULSE PEAK READING VOLTMETER	67
ELECTRONIC TEST EQUIPMENT	A SLOW TIME BASE READOUT SYSTEM FOR NON-REPETITIVE PULSE ANALYSIS	71
ELECTRONIC TEST EQUIPMENT	A SENSITIVE, HIGH-SPEED, DC VOLTAGE COMPARATOR	72
ELECTRONIC TEST EQUIPMENT	TEST EQUIPMENT ACCURACY	76
ELECTRONIC TEST EQUIPMENT	DESIGN OF A VARIABLE PHASE, CONSTANT VSWR, MICROWAVE LOAD	79
ELECTRONIC TEST EQUIPMENT	A NEW WIDE-RANGED DIRECT CURRENT CALIBRATION SOURCE	134
ELECTRONIC TEST EQUIPMENT	COMPUTER AIDED TEST SYSTEMS	275
ELECTRONIC TEST EQUIPMENT	OPTOELECTRONIC MEASUREMENT	276
ELECTRONIC TEST EQUIPMENT	EVALUATION OF METHODS FOR COMPUTER-AIDED DESIGN OF TEST EQUIPMENT	349
ELECTRONIC TEST EQUIPMENT	A DIGITAL FREQUENCY MEASURING SYSTEM FOR PULSED RF DEVICES	767
ELECTRONIC TEST EQUIPMENT	LIGHT EMITTING DIODE TESTING AND ANALYSIS	956
ELECTRONIC TEST EQUIPMENT	A METHOD OF IMPROVING ANALOG COMPARATOR CALIBRATION ACCURACY	1013
ELECTRONIC TEST EQUIPMENT	AUTOMATIC PEAK POWER MEASUREMENT OF SHORT RF PULSES	1046
ELECTRONIC TEST EQUIPMENT	READ-ONLY MEMORY IMPLEMENTATION STUDY	1053(REV.)
ELECTRONIC TEST EQUIPMENT	AUTOMATIC RADAR-SENSITIVITY MEASUREMENT	1134(REV.)
ELECTRONIC TEST EQUIPMENT	AUTOMATED TESTING IN A HIGH NOISE ENVIRONMENT	1138
ELECTRONIC TEST EQUIPMENT	AN AUTOMATIC RF-NETWORK ANALYZER AS A SUPPORT TOOL FOR ENGINEERING AND MANUFACTURING	1297(REV.)
ELECTRONIC TEST EQUIPMENT	COMPUTER AIDED FAILURE ANALYSIS	1369(REV.)
ELECTRONIC TEST EQUIPMENT	DIGITAL RECORDING AND ANALYSIS OF FAST EBW BURST WAVEFORMS	1381(REV.)
ELECTRONIC TEST EQUIPMENT	SOLID STATE CONNECTOR	1479
ELECTRONIC TEST EQUIPMENT	MULTIPURPOSE LABORATORY TEST SYSTEM APPLYING CAMAC STANDARDS (CONFERENCE PAPER)	1717
ELECTRONIC TEST EQUIPMENT	MEASUREMENT OF PEAK OPTICAL POWER FROM LASER DIODES (CONFERENCE PAPER)	1719
ELECTRONICS	PROCESS EFFECTS ON HIGH VOLTAGE ELECTRICAL ASSEMBLIES	1887
ELECTROPLATING	FEASIBILITY OF ELECTROPLATED GOLD FOR HYBRID MICROCIRCUITS	1740
ENCAPSULATING	DEVELOPMENT OF AN AUTOMATED ENCAPSULATION SYSTEM	1493
ETCHANTS	CHEMICAL CHARACTERIZATION OF A POLYPHOSPHORIC ACID ETCHANT	2078
EXTRUSIONS	MECHANICAL AND MICROSTRUCTURAL PROPERTIES CHARACTERIZATION OF HEAT-TREATED BETA EXTRUDED TI-6AL-6V-2SN	1812
FAILURE ANALYSIS	COMPUTER AIDED FAILURE ANALYSIS	2006
FILAMENT WINDING	HELICAL TAPE WINDER	607(REV.)
FILAMENT WINDING	FILAMENT WINDING INITIAL DEVELOPMENT	667

SUBJECT	TITLE	DOCUMENT NUMBER BDX-613-
FILAMENT WINDING	FILAMENT WINDING A THIN-WALL FIBERGLASS HEMISPHERE	827
FOAM	HIGH TEMPERATURE SYNTACTIC FOAM	1534
FOAM	GLASS MICROBUBBLE COMPOSITE FOAM	1596
FOAM	DEVELOPMENT OF AN AUTOMATED FOAM PROCESSING SYSTEM	1691
FOAM	SYNTACTIC FOAM FROM SILVER COATED MICROBUBBLES	1790
FOAM	DENSITY MEASUREMENTS OF CURVED FOAM PARTS USING RADIOGRAPHIC-FILM TECHNIQUE	1823
FOAMS	MATERIAL EVALUATION OF POLYURETHANE FOAM, 0.05 G/CM3 DENSITY	1836
FOAMS	CHARACTERIZATION OF LOW DENSITY RIGID URETHANE FOAM	1890
FOAMS	EVALUATION OF CURE CYCLES FOR SYNTACTIC FOAM	1913
FOAMS	IMPROVED BONDABILITY OF MOLDED RIGID URETHANE FOAM BY PLASMA TREATMENT (CONFERENCE PAPER)	1915
FOAMS	POLYURETHANE FOAM 0.05G/CM3 DENSITY	1964
GENERAL PROGRESS	MECHANICAL PRODUCTS QUARTERLY	316
GENERAL PROGRESS	ELECTRONICS ENGINEERING QUARTERLY	344
GENERAL PROGRESS	QUALITY DIVISION QUARTERLY	404
GENERAL PROGRESS	ELECTRONIC ENGINEERING QUARTERLY	431
GENERAL PROGRESS	MATERIALS ENGINEERING QUARTERLY	460
GENERAL PROGRESS	PLASTIC PRODUCTS ENGINEERING QUARTERLY	480
GOLD-COPPER ANALYSIS	DETERMINATION OF GOLD-COPPER ALLOY COMPOSITION BY X-RAY FLUORESCENCE ANALYSIS	1716
GRINDING, SLOTS	SLOTING BY ELECTROCHEMICAL GRINDING	1908
GROUP TECHNOLOGY	OBSERVATIONS ON IMPLEMENTING GROUP TECHNOLOGY FOR PRECISION MINIATURE PARTS (JOURNAL ARTICLE UC-38)	2045
HEAT TREATMENT	HEAT TREATMENT OF 6AL-4V TITANIUM FORGINGS TO OBTAIN HIGH YIELD STRENGTH	872
HMCS	HERMETIC SEALING OF HYBRID MICROCIRCUITS-INITIAL CAPABILITY DEVELOPMENT	1930
HOBBIING	HOBBIING RATCHET WHEELS FOR MINATURE MECHANISMS	1927
HONEYCOMB STRUCTURES	FILLED PAPER HONEYCOMB	190
HONEYCOMB STRUCTURES	CARBON/CARBON HONEYCOMB	335
HONEYCOMB STRUCTURES	MODIFIED PAPER HONEYCOMB AS AN ENERGY ABSORBER	981 (REV.)
INSPECTION	AUDARE-A DEVICE FOR RECORDING DATA	10
INSPECTION	MODERN GAGE CONTROL	39
INSPECTION	A SPECIMEN TO FILM GAUGE FOR THE BACK REFLECTION CAMERA	46
INSPECTION	ELONGATION AS A QUANTITATIVE MEASUREMENT	53
INSPECTION	PRODUCTION TESTING OF MAGNETIC CORE SHIFT REGISTER ELEMENTS	62
INSPECTION	A TECHNIQUE FOR MINIMIZING SLOTTED LINE MEASUREMENT ERROR	86
INSPECTION	ULTRASONICS AS A THICKNESS MEASURING TOOL	88
INSPECTION	SURFACE TEXTURE-MEASUREMENT OR CONFUSION	89
INSPECTION	SMALL ANGLE GENERATOR	111
INSPECTION	SHORT CIRCUIT DETECTION WITH LIQUID CRYSTALS	131
INSPECTION	BORON SHOT GRADING AND INSPECTING	155

SUBJECT	TITLE	DOCUMENT NUMBER BDX-613-
INSPECTION	COMPARISON OF ORTHOGONAL CURVILINEAR COORDINATE SYSTEMS FOR MINIMUM ERROR	184
INSPECTION	INSPECTION OF FINE-PITCHED GEARS	309
INSPECTION	FAST RECOVERY TIME DIODE TESTING	315
INSPECTION	HIGH FREQUENCY PARAMETER TECHNIQUES	347
INSPECTION	MEASUREMENT METHOD FOR POLYSTYRENE	355
INSPECTION	LINING OF COMPRESSION SET TEST FIXTURES	410
INSPECTION	VISUAL AND ELECTRICAL INSPECTION OF MINIATURE RADARS	451
INSPECTION	RAPID VISUAL SCANNING SYSTEMS FOR PCB'S, FY71-2	527
INSPECTION	RAPID VISUAL SCANNING SYSTEMS FOR PCB'S, FY72-1	538
INSPECTION	PHOTOGRAMMETRIC GAGING	547
INSPECTION	NONDESTRUCTIVE TESTING OF PERCUSSIVE ARC WELDS	561(REV.)
INSPECTION	INSPECTION OF FINE-PITCHED GEARS	563(REV.)
INSPECTION	TESTING FOR MATERIAL FLAWS AND THERMAL DESIGN DEFECTS USING HOLOGRAPHIC INTERFEROMETRY	812
INSPECTION	DETERMINATION OF HOLE LOCATION ON PRINTED CIRCUIT BOARDS	814
INSPECTION	TRANSDUCER FOR GAGING PRESSURE-SENSITIVE PARTS	879(REV.)
INSPECTION	OMNI-DIRECTIONAL ILLUMINATION FOR PRINTED CIRCUIT BOARD INSPECTION	942
INSPECTION	HOLOGRAPHIC INTERFEROMETRY	967(REV.)
INSPECTION	A METHOD OF INSPECTING DIELECTRIC MATERIALS AT MICROWAVE FREQUENCIES	991
INSPECTION	BETA BACKSCATTER MEASUREMENTS OF ALUMINUM COATINGS ON MYLAR SUBSTRATES	1028(REV.)
INSPECTION	SPATIAL DISTRIBUTION FROM SMALL BETA SOURCES AND THE EFFECTS OF APERTURE SIZE	1061
INSPECTION	AUTOMATED VISUAL INSPECTION SYSTEM FOR PRINTED WIRING ASSEMBLIES	1076(REV.)
INSPECTION	PHOTOMULTIPLIER TUBE TESTING AND ANALYSIS	1086
INSPECTION	DEFECT DETECTION IN HIGH DENSITY BRAIDED SHIELDS	1122(REV.)
INSPECTION	REFLECTED LIGHT INTENSITY DISTRIBUTIONS FROM DEFECTS ON HIGHLY REFLECTIVE SPHERES	1174(REV.)
INSPECTION	RAPID VISUAL SCANNING	1187
INSPECTION	NONDESTRUCTIVE TESTING OF WELDED ELECTRICAL CONNECTORS	1190(REV.)
INSPECTION	APPLICATION OF MOIRE TECHNIQUES TO FIXTURELESS GAGING	1213
INSPECTION	CALIBRATION METHOD FOR COORDINATE MEASURING MACHINES	1242
INSPECTION	THREAD CERTIFICATION	1244(REV.)
INSPECTION	AN EVALUATION OF THE X-RAY FLUORESCENCE METHOD OF PRECIOUS METAL PLATING THICKNESS MEASUREMENTS	1284
INSPECTION	MEASURING PENETRATION DEPTH OF ELECTRON BEAM WELDS	1353
INSPECTION	THE ANGULAR DISTRIBUTION OF DIFFUSE LIGHT REFLECTED FROM ISOLATED DEFECTS ON SUPERFINISHED SPHERES	1363(REV.)
INSPECTION	PROGRESS IN AUTOMATIC IMAGE MEASUREMENT	1401(REV.)
INSPECTION	OPTICAL SYSTEM FOR AUTOMATED INSPECTION OF HIGHLY REFLECTIVE SPHERICAL SURFACES	1497
INSPECTION	FACTORS AFFECTING VISUAL INSPECTION OF THIN FILM NETWORKS	1673



SUBJECT	TITLE	DOCUMENT NUMBER BOX-613-
INSPECTION	FAST NEUTRON GAUGING FEASIBILITY STUDY	1770
INSPECTION	SEMI-AUTOMATIC VISUAL INSPECTION SYSTEM FOR TWIN-FILM NETWORKS	1813
INVENTORY CONTROL	ECONOMIC IMPROVEMENT OF INVENTORY SAMPLING	885
INVENTORY CONTROL	WORK-IN-PROCESS INVENTORY	1145
LAMINATES	COMPRESSION MOLDING OF LAMINATES	327
LAMINATES	AUTOCLAVE FABRICATION TECHNIQUES FOR FLAT CABLES	579(REV.)
LAMINATES	DEVELOPMENT OF A SELF-CONTAINED LAMINATING FIXTURE	927(REV.)
LAMINATES	STEEL-RULE DIE CONTOURING EVALUATION	1049
LAMINATES	DEVELOPMENT OF A FORMING STATION	1123(REV.)
LAMINATES	EFFECTS OF THERMAL EXPANSION ON EPOXY GLASS LAMINATES	1171
LAMINATES	HIGH TEMPERATURE NONPLANAR LAMINATES	1783
LAMINATION	TESTING THE INTERLAMINATE ADHESION OF MULTILAYER PRINTED WIRING BOARDS	2011
LAPPING	LAPPING EQUIPMENT INSTRUMENTATION	1264
LAPPING ABRASIVES	ALUMINA LAPPING ABRASIVE STUDY	1692
LASER CUTTING	LASER CUTTING OF KEVLAR LAMINATES	1877
LASER WELDING	FINITE ELEMENT ANALYSIS OF LASER INDUCED THERMAL SHOCK	2044
LASERS	UNIVERSAL MONITOR FOR CO <sub>2</sub> LASERS (CONFERENCE PAPER)	1907
LIGHT	FRAUNHOFER DIFFRACTION PATTERNS FROM APERTURES ILLUMINATED WITH NONPARALLEL LIGHT	2016
LUBRICANTS	LIGHT LOAD FRICTION COEFFICIENT AND WEAR STUDY OF THREE BONDED SOLID LUBRICANTS	1170
LUBRICANTS	FRICTION AND WEAR STUDIES FOR BONDED THIN-FILM LUBRICANTS	1316
MACHINING	RADIUS GENERATION IN VIBRATING FINISHING	90
MACHINING	A MICRODRILL LAPPING MACHINE	101
MACHINING	DRILLING PRINTED CIRCUIT BOARDS	279
MACHINING	CONFIRMATION OF A NAJET DRILLING TECHNIQUE FOR SMALL HOLES	306
MACHINING	FINE-EDGE BLANKING AND PIERCING	366
MACHINING	AFT SUPPORT MACHINED FROM TITANIUM	525
MACHINING	ULTRAPRECISION TOOL GRINDING	552
MACHINING	MACHINING MINIATURE SLOTS AND FILLETS	576
MACHINING	BIBLIOGRAPHY: MACHINING MINIATURE PARTS AND MINIATURE FEATURES	585
MACHINING	OPTIMIZING MINIATURE CYLINDRICAL PIECEPART MACHINING CAPABILITIES	708(REV.)
MACHINING	LASER BALANCING OF VERGE AND SHAFT ASSEMBLIES	724
MACHINING	LASER REMOVAL OF DIELECTRIC FROM FLAT CABLES	820(REV.)
MACHINING	HOLE FINISH CONTROL IN 4330 VANADIUM MODIFIED STEEL	863
MACHINING	REMOVAL OF INSULATION FROM MULTICONDUCTOR WIRE TAPE USING A CARBON DIOXIDE LASER	887(REV.)
MACHINING	SHAPING RATCHET TEETH	973
MACHINING	PROFILE MILLING	980(REV.)
MACHINING	GRINDING MINIATURE PINION GEARS	1007

SUBJECT	TITLE	DOCUMENT NUMBER BDX-613-
MACHINING	ELECTROCHEMICAL GRINDING	1159
MACHINING	GEAR CUTTING	1392
MACHINING	MINIATURE CORE ASSEMBLY FABRICATION AND TEST PROCESSES	1417
MACHINING	SKIVING	1429
MACHINING	FIXTURING AND HANDLING OF MINIATURE COMPONENTS	1482
MACHINING	ECONOMIC OPTIMIZATION TECHNIQUES APPLICABLE TO PRECISION MINIATURE MACHINING	1512(REV.)
MACHINING	MACHINABILITY AS RELATED TO PRECISION MINIATURE PARTS	1567
MACHINING	MACHINABILITY OF METALS AS RELATED TO MINIATURE PRECISION COMPONENTS	1723
MACHINING	ELECTROCHEMICAL MACHINING DEEP THROUGH HOLES	1948
MDA	REMOVAL OF METHYLENE DIANILINE FROM CHEMICAL PLANT WASTEWATER	1981
MEASURING	EQUIPMENT FOR A LASER SURFACE MEASURING SYSTEM	1848
MEASURING	USE OF A DISPLACEMENT MEASURING SYSTEM FOR POSITIONING A SPHERE ON A ROTATING AXIS AND FOR MEASURING THE SPHERICAL CONTOUR	2119
MEASURING INSTRUMENTS	CONDUCTIVITY TESTING OR EDDY CURRENT TESTING WITH THE FM-100MAGNATEST CONDUCTIVITY METER	18
MEASURING INSTRUMENTS	AUTOMATIC MEASURING OF TEMPERATURE COEFFICIENTS	36
MEASURING INSTRUMENTS	INTERFEROMETER PRISM: PDR 187	127
MEASURING INSTRUMENTS	ROLAMITE SENSORS	697(REV.)
MEASURING INSTRUMENTS	LASER INTERFEROMETER SCALING COUNTER	703
MEASURING INSTRUMENTS	DIFFERENTIAL PRESSURE MERCURY MANOMETER	878
MEASURING INSTRUMENTS	LINEAR TRANSDUCER TIP PRESSURE CHECKER	904
MEASURING INSTRUMENTS	LASER CENTERING DETECTOR	933
MEASURING INSTRUMENTS	IMPROVED RADIO-FREQUENCY POWER STANDARDS	971
MEASURING INSTRUMENTS	DEVELOPMENT OF A LIGHT LOAD FRICTION TESTER	1104
MEASURING INSTRUMENTS	INTEGRATING SPHERE PHOTODETECTOR FOR MEASUREMENT OF CONTINUOUS-WAVE AND PEAK LASER POWER	1419
MECHANICAL PROPERTIES	FRACTURE MECHANICS TESTING CAPABILITY	1531(REV.)
METAL WORKING	FOCUSING PRESSURE SHOCK WAVES IN LIQUID FOR EFFICIENT HYDROELECTRIC FORMING	78
METAL WORKING	THE EFFECT OF HIGH-STRAIN-RATE FORMING ON THE RECRYSTALLIZATION OF COPPER	93
METAL WORKING	THE PROPERTIES OF ALUMINUM AND COPPER AFTER HIGH-ENERGY-RATE FORMING	102
METAL WORKING	DEEP DRAWN STAINLESS STEEL COVERS	868
METAL WORKING	ORBITAL HEADFORM STAKING APPLICATIONS FOR MINIATURE ELECTROMECHANICAL ASSEMBLIES	972
MICROCIRCUITS	DETERMINING THE MANUFACTURABILITY OF HYBRID MICROCIRCUITS AT MICROWAVE FREQUENCIES	1582
MICROCIRCUITS	WET FILM PHOTOLITHOGRAPHY OF HMCS CONTAINING VIAS	1779
MICROCIRCUITS	HMC-TO-FLATPACK ATTACHMENT	1800
MICROCIRCUITS	SEMICONDUCTOR DIE ATTACHMENT	1809
MICROELECTRONICS	AN EVALUATION OF SCATTERING PARAMETER TECHNIQUES AS APPLIED TO FIELD-EFFECT TRANSISTOR CHARACTERIZATION	119

SUBJECT	TITLE	DOCUMENT NUMBER BDX-613-
MICROELECTRONICS	MICROBONDING AND PACKAGING FOR HYBRID MICROELECTRONIC CIRCUITS	153
MICROELECTRONICS	BEAM LEAD SEMICONDUCTOR TESTING AND HANDLING	194
MICROELECTRONICS	THICK-FILM NETWORKS	363(REV.)
MICROELECTRONICS	DETERMINATION OF SEMICONDUCTOR JUNCTION PROFILES BY ANGLE LAPPING OF SEMICONDUCTOR WAFERS	604(REV.)
MICROELECTRONICS	BEAM LEAD SEMICONDUCTOR TESTING AND FAILURE ANALYSIS	614
MICROELECTRONICS	A SUSPENDED METAL MASK FOR THICK-FILM PRINTING	648
MICROELECTRONICS	EFFECTS OF GEOMETRY ON THICK-FILM RESISTORS	649
MICROELECTRONICS	PHOTOMASK MEASURING SYSTEMS	650
MICROELECTRONICS	DEPOSITION OF CHROMIUM BY RADIO FREQUENCY SPUTTERING	651
MICROELECTRONICS	PLATED-THROUGH HOLES BY PLASMA-ENHANCED DEPOSITION	652
MICROELECTRONICS	PHOTORESIST CHARACTERIZATION METHOD FOR HYBRID MICROCIRCUITS	653
MICROELECTRONICS	INPUT AND OUTPUT DEVICES FOR A COMPUTERIZED MASK-MAKING SYSTEM	654
MICROELECTRONICS	HYBRID MICROCIRCUIT PHOTOLITHOGRAPHIC PROCESS	678
MICROELECTRONICS	TRIMMABLE FILM RESISTORS	728
MICROELECTRONICS	THIN-FILM HYBRID MICROCIRCUIT SUBSTRATE METALLIZATION	760(REV.)
MICROELECTRONICS	BEAM LEAD DEVICES AND THE HMC MANUFACTURER	779
MICROELECTRONICS	CLEANING AND ASSEMBLY TECHNIQUES, FY73-1	793(REV.)
MICROELECTRONICS	JUNCTION FIELD EFFECT TRANSISTOR DEGRADATION CAUSED BY ELECTROSTATIC DISCHARGE	815
MICROELECTRONICS	BONDING DEGRADATION IN THE TANTALUM NITRIDE-CHROMIUM-GOLD METALLIZATION SYSTEM	860
MICROELECTRONICS	STRENGTH MEASUREMENTS ON TRANSISTOR HEADER LEAD WELDS	871
MICROELECTRONICS	CHARACTERIZATION AND SCHEDULE DEVELOPMENT FOR GOLD-RIBBON HYBRID-MICROCIRCUIT CROSSOVERS	897
MICROELECTRONICS	PANTOGRAPH POSITIONING SYSTEM FOR INSPECTING MICROCIRCUITS	932
MICROELECTRONICS	MASK GENERATION	959(REV.)
MICROELECTRONICS	BEAM LEAD TESTING, HANDLING, AND FAILURE ANALYSIS	975(REV.)
MICROELECTRONICS	STATIC CHARGE AND CURRENT LEAKAGE EFFECTS RELATING TO MANUFACTURE OF JFET ASSEMBLIES	994(REV.)
MICROELECTRONICS	SOLUTION CONTROL FOR HYBRID MICROCIRCUIT ETCHING	1012
MICROELECTRONICS	LSI INTEGRATED CIRCUIT TEST DEVELOPMENT	1017
MICROELECTRONICS	HIGH TEMPERATURE REVERSE BIAS AND POWER BURN-IN AT TRANSISTOR JUNCTION TEMPERATURES FROM 150 TO 300 DEG. C	1038
MICROELECTRONICS	CONTROL OF ELECTROSTATIC DAMAGE TO SOLID STATE DEVICES	1080
MICROELECTRONICS	AUTOMATIC TESTING AND HANDLING OF BEAM LEAD TRANSISTORS AND DIODES	1081
MICROELECTRONICS	THE EFFECT OF RAPIDLY CHANGING VOLTAGES ON THICK-FILM RESISTORS	1085(REV.)
MICROELECTRONICS	CHARACTERIZATION OF A CHROMIUM-GOLD DEPOSITION PROCESS FOR THE PRODUCTION OF THIN FILM HYBRID MICROCIRCUITS	1109
MICROELECTRONICS	BEAM LEAD DEVICE AND HYBRID MICROCIRCUIT TESTING	1113
MICROELECTRONICS	DEVELOPMENT OF PROCESSES FOR HYBRID MICROCIRCUITS CONTAINING BEAM-LEAD DEVICES	1115(REV.)

SUBJECT	TITLE	DOCUMENT NUMBER BOX-613-
MICROELECTRONICS	EARLY PRODUCTION HISTORY ON HYBRID MICROCIRCUITS CONTAINING BEAM-LEAD DEVICES	1116(REV.)
MICROELECTRONICS	SPRAY PHOTORESIST DEVELOPMENT ON MULTIPLE HYBRID MICROCIRCUIT SUBSTRATES	1148
MICROELECTRONICS	MASS ANODIZATION OF TANTALUM-NITRIDE RESISTORS	1155(REV.)
MICROELECTRONICS	A RAPID TCR TEST METHOD FOR TANTALUM-NITRIDE RESISTIVE FILM	1167(REV.)
MICROELECTRONICS	CHARACTERIZATION OF A CHROME-GOLD THIN FILM DEPOSITION PROCESS BY AUGER ANALYSIS	1173
MICROELECTRONICS	CHARACTERIZATION OF THERMOCOMPRESSION BONDING PARAMETERS FOR BEAM-LEAD BONDING	1175
MICROELECTRONICS	REMOVAL OF HYBRID MICROCIRCUIT BEAM-LEAD DEVICES FOR POSTMORTEM TESTS	1176
MICROELECTRONICS	AN ACTIVE LASER TRIMMER FOR PRODUCTION TRIMMING OF FUNCTIONAL HYBRID MICROCIRCUITS	1182
MICROELECTRONICS	INFRARED BAKING OF POSITIVE PHOTORESIST FOR HYBRID MICROCIRCUIT FABRICATION	1246
MICROELECTRONICS	HYBRID MICROCIRCUIT INTRACONNECTION PROCESSES	1257
MICROELECTRONICS	BEAM LEAD DEVICE TEMPERATURE TESTING	1275
MICROELECTRONICS	PHOTORESIST APPLICATION BY ROLLER COATING	1288
MICROELECTRONICS	INTERCONNECTION TECHNOLOGY	1346
MICROELECTRONICS	MEMORY ASSEMBLY TO HYBRID MICROCIRCUITS	1371(REV.)
MICROELECTRONICS	MULTIPLE HYBRID MICROCIRCUIT PROCESSING	1383
MICROELECTRONICS	FAILURE MODES OF BEAM LEAD SEMICONDUCTORS IN THIN FILM HYBRID MICROCIRCUITS (CONFERENCE PAPER)	1456
MICROELECTRONICS	HAND PUNCHING HOLES IN UNFIRED 99.5 PERCENT ALUMINA SUBSTRATES	1461
MICROELECTRONICS	FACE-UP BONDING OF BEAM LEAD DEVICES	1462(REV.)
MICROELECTRONICS	AUTOMATIC LEAD FRAME PLATING	1464
MICROELECTRONICS	SURFACE EFFECTS ON SEMICONDUCTORS	1468
MICROELECTRONICS	THE NECESSITY OF CHARACTERIZING HYBRID MICROCIRCUIT ELEMENTS AT MICROWAVE FREQUENCIES	1477
MICROELECTRONICS	ANALYSIS OF THICK FILM CONDUCTOR INKS	1491
MICROELECTRONICS	COVER EVALUATION FOR LARGE HYBRID MICROCIRCUITS	1500(REV.)
MICROELECTRONICS	WIGGLY PHASE SHIFTERS AND DIRECTIONAL COUPLERS FOR RADIO FREQUENCY HYBRID MICROCIRCUIT APPLICATIONS (CONFERENCE PAPER)	1524
MICROELECTRONICS	MANUFACTURING PROCESSES FOR HYBRID MICROCIRCUITS CONTAINING VIAS (CONFERENCE PAPER)	1532
MICROELECTRONICS	PRODUCTION COATING OF VIAS IN ALUMINA SUBSTRATES WITH VACUUM EVAPORATED CHROMIUM AND GOLD (CONFERENCE PAPER)	1535
MICROELECTRONICS	HANDLING AUTOMATION AND TEMPERATURE CONTROL ADDED TO TRANSISTOR S- PARAMETER MEASUREMENT (CONFERENCE PAPER)	1536
MICROELECTRONICS	LASER CONTOURED AND DRILLED SUBSTRATES FOR THICK FILM APPLICATIONS	1563(REV.)
MICROELECTRONICS	CHARACTERIZATION OF CHROMIUM-GOLD FILMS FOR HYBRID MICROCIRCUITS	1564(REV.)
MICROELECTRONICS	PLATING HYBRID MICROCIRCUITS	1575
MICROELECTRONICS	COMPUTER APPLICATIONS AND HYBRID MICROCIRCUITS	2020
MODELING	CONTROL SYSTEM MODELING OF A CENTRIFUGE (CONFERENCE PAPER)	1950

SUBJECT	TITLE	DOCUMENT NUMBER 8DX-613-
MOLD HEATING	COMPUTER SIMULATION OF THE MOLD HEATING AND CONTROL LOOP, USING CONVENTIONAL CONTROL STRATEGIES	1764
MOLD HEATING	MOLD HEATING AND COOLING SYSTEMS	1990
MOLDING	TRANSFER MOLDING OF CLOSE-TOLERANCE PARTS	1542
MOLDING	CHEMICAL AND PHYSICAL CHARACTERIZATION OF A KEVLAR-FILLED EPOXY MOLDING COMPOUND	1816
MOLDING	MOLD HEATING AND COOLING SYSTEMS	1979
MOLDING	DIGITAL CONTROLLER DESIGN, ANALYSIS, AND IMPLEMENTATION FOR THE MOLD HEATING AND COOLING SYSTEM	1980
MOLDING RESINS	INVESTIGATION OF METHYLPENTENE POLYMER (TPX) MOLDING RESIN	1905
MOLDING TECHNIQUES	PRESSURE AND TEMPERATURE GRADIENTS IN TRANSFER MOLDING OF ELECTRONIC ASSEMBLIES	333
MOLDING TECHNIQUES	THEORY AND OPERATION OF THE BENDIX MOLD HEATING AND COOLING EQUIPMENT	369
MOLDING TECHNIQUES	FLUID FLOW ANALYSIS IN THE MOLD HEATING AND COOLING LOOP	742
MOLDING TECHNIQUES	EXPERIMENTAL TESTING FOR MOLD TEMPERATURE RESPONSES	1111(REV.)
MOLDING TECHNIQUES	MOLDING MINIATURE PLASTIC PARTS	1212(REV.)
MOLDING TECHNIQUES	DESIGN IMPROVEMENTS FOR CYCLIC INJECTION MOLDS	1239
MOLDING TECHNIQUES	EVALUATION OF LOOP AND PARALLEL OIL CHANNEL DESIGNS	1423
MOLDING TECHNIQUES	WEAR PREVENTION IN MOLDS USED TO MOLD BORON-FILLED ELASTOMERS (CONFERENCE PAPER)	1684
MOLDS	COOLING ALUMINUM MOLDS USING HEAT PIPES	2039
NDRO CORE	FABRICATION AND PERFORMANCE OF A LAMINATED NONVOLATILE NONDESTRUCTIVE READOUT MEMORY CORE	1763
NETWORK ANALYZER	A MOVING HEAD DISC OPERATING SYSTEM FOR AN 8542A AUTOMATIC NETWORK ANALYZER (CONFERENCE PAPER)	1652
NUMERICAL CONTROL	DNC COMMITTEE FINAL REPORT	376
NUMERICAL CONTROL	DIRECT NUMERICAL CONTROL OF MACHINE TOOLS	540(REV.)
NUMERICAL CONTROL	NUMERICALLY-CONTROLLED ASSEMBLY	804
NUMERICAL CONTROL	PROTOTYPE DIRECT NUMERICAL CONTROL SYSTEM	1585
NUMERICAL CONTROL	EDITING CAPABILITY FOR DIRECT NUMERICAL CONTROL	1688
NUMERICAL CONTROL	OVERVIEW OF DIRECT NUMERICAL CONTROL	1917
NUMERICAL CONTROL	DIRECT NUMERICAL CONTROL AT BENDIX KANSAS CITY DIVISION	2018
PHOTOENGRAVING	EFFECT OF SODIUM HYDROXIDE ON ALUMINUM FOIL THICKNESS	515(REV.)
PHOTOENGRAVING	IMPROVED CURVED VACUUM BLANKETS FOR PHOTORESIST EXPOSURE	953
PHOTOENGRAVING	ALUMINUM ETCHANT CONTROL STUDY	955
PHOTOENGRAVING	ALUMINUM ETCHANT STUDIES	1105(REV.)
PLASMA	GAS PLASMA EFFECTS ON PRINTED CIRCUIT BOARD MATERIALS	2030
PLASTICS, CELLULAR	EFFECT OF DIISOCYANATE STRUCTURE ON LOAD-BEARING PROPERTIES OF FLEXIBLE URETHANE FOAMS	16
PLASTICS, CELLULAR	RIGID URETHANE FOAMS FROM E-CAPROLACTONE POLYESTERS	38
PLASTICS, CELLULAR	STRUCTURAL STUDIES OF RIGID URETHANE FOAMS	48
PLASTICS, CELLULAR	THERMAL CHARACTERISTICS OF SOME RIGID URETHANE FOAMS	69
PLASTICS, CELLULAR	EFFECT OF MOLECULAR STRUCTURE ON THE AGING PROPERTIES OF FLEXIBLE URETHANE FOAMS	75

SUBJECT	TITLE	DOCUMENT NUMBER BOX-613-
PLASTICS, CELLULAR	STRUCTURAL APPLICATION CHARACTERISTICS OF A RIGID URETHANE FOAM SYSTEM	95
PLASTICS, CELLULAR	PHYSICAL/CHEMICAL PROPERTIES OF RIGID URETHANE FOAM	106
PLASTICS, CELLULAR	CHARACTERIZATION OF AN EPOXY FOAM	125
PLASTICS, CELLULAR	THERMAL PROPERTIES OF RIGID URETHANE FOAMS	132
PLASTICS, CELLULAR	CONTINUOUS FOAM BILLET FABRICATION	148
PLASTICS, CELLULAR	EFFECTS OF AMINE CATALYSTS ON THE PHYSICAL PROPERTIES OF A RIGID URETHANE FOAM SYSTEM	170
PLASTICS, CELLULAR	SYNTACTIC FOAM EVALUATION	177
PLASTICS, CELLULAR	DETERMINATION OF FOAM DENSITY	180
PLASTICS, CELLULAR	RIGID EPOXY FOAM ENCAPSULATION	195(REV.)
PLASTICS, CELLULAR	MEDIUM DENSITY MOLDED FOAM	209
PLASTICS, CELLULAR	A NEW TECHNIQUE FOR DETERMINING GAS DIFFUSIVITY IN HETEROGENEOUS MEDIA--PLASTIC FOAM	229
PLASTICS, CELLULAR	FILLED FOAM MANUFACTURING AND TESTING TECHNIQUES	252
PLASTICS, CELLULAR	SYNTACTIC FOAM, FY70-3	253
PLASTICS, CELLULAR	POLYURETHANE FOAM MATERIAL AND PROCESS DEVELOPMENT	300
PLASTICS, CELLULAR	THERMAL PROPERTIES OF LACTONE ESTER-BASED RIGID URETHANE FOAMS	406
PLASTICS, CELLULAR	THE SYNTHESIS OF A LOW-DENSITY RIGID EPOXY FOAM	407
PLASTICS, CELLULAR	MATERIAL AND PROCESS DEVELOPMENT OF POLYURETHANE FOAM, FY71-4	485(REV.)
PLASTICS, CELLULAR	AN EVALUATION OF COMMERCIAL POLYARYL POLYISOCYANATES IN A BENDIX KANSAS CITY FOAM SYSTEM	508
PLASTICS, CELLULAR	EVALUATION OF FOAM MIXING MACHINES	522
PLASTICS, CELLULAR	A STUDY OF POLYETHER-POLYOL-AND POLYESTER-POLYOL-BASED RIGID URETHANE FOAM SYSTEMS	531
PLASTICS, CELLULAR	EFFECT OF VOIDS ON THE COMPRESSIVE STRENGTH OF MOLDED RIGID URETHANE FOAM	532
PLASTICS, CELLULAR	HOT GAS MOLDING OF POLYSTYRENE FOAM	535
PLASTICS, CELLULAR	MIXING HEAD FOR URETHANE FOAM METERING AND MIXING MACHINES	537
PLASTICS, CELLULAR	MATERIAL AND PROCESS DEVELOPMENT OF POLYURETHANE FOAM, FY72-1	553(REV.)
PLASTICS, CELLULAR	MECHANICAL AND PHYSICAL PROPERTIES OF ORGANIC FOAM	562(REV.)
PLASTICS, CELLULAR	IN-LOT VARIATIONS IN POLYSTYRENE EXPANDABLE BEADS AND BEAD FOAM	564
PLASTICS, CELLULAR	VOLATILE LOSS IN POLYSTYRENE FOAM	578
PLASTICS, CELLULAR	FABRICATION OF POLYIMIDE SYNTACTIC FOAM PARTS	582(REV.)
PLASTICS, CELLULAR	MATERIAL AND PROCESS DEVELOPMENT OF POLYURETHANE FOAM, FY72-3	718
PLASTICS, CELLULAR	MATERIAL AND PROCESS DEVELOPMENT OF POLYURETHANE FOAM, FY73-1	797
PLASTICS, CELLULAR	FABRICATION OF OPEN CELL POLYETHYLENE FOAM	869
PLASTICS, CELLULAR	EFFECT OF AMINE CATALYST ON COMPRESSIVE PROPERTIES OF URETHANE FOAM	870
PLASTICS, CELLULAR	LOW DENSITY FOAMS FOR VACUUM INSULATION	938
PLASTICS, CELLULAR	RISE-RATE TESTING OF URETHANE FOAMS	941

SUBJECT	TITLE	DOCUMENT NUMBER BOX-613-
PLASTICS, CELLULAR	DESIGN MANUAL FOR POLYSTYRENE FOAM, RELATING PHYSICAL, MECHANICAL, AND CHEMICAL PROPERTIES	1033
PLASTICS, CELLULAR	STATIC COMPRESSIVE TESTING OF RIGID POLYURETHANE FOAM	1036(REV.)
PLASTICS, CELLULAR	PREDICTING COMPRESSIVE STRENGTHS IN URETHANE FOAMS AT HIGH STRAINS	1103(REV.)
PLASTICS, CELLULAR	POLYURETHANE/IMIDE MODIFIED FOAM	1110
PLASTICS, CELLULAR	EFFECTS OF VARYING FORMULATIONS OF THREE TDI POLYURETHANE FOAMS	1137(REV.)
PLASTICS, CELLULAR	RIGID URETHANE FOAM BASED ON METHYL-ALPHA-(D)-GLUCOSIDE AND E-CAPROLACTONE	1140(REV.)
PLASTICS, CELLULAR	EVALUATION OF A HIGH TEMPERATURE SYNTACTIC FOAM	1178(REV.)
PLASTICS, CELLULAR	HIGH-DENSITY POLYSTYRENE BEAD PREPARATION	1199(REV.)
PLASTICS, CELLULAR	FEASIBILITY STUDY OF PRODUCTION OF 0.24 G/CM <sup>3</sup> -DENSITY POLYSTYRENE BEAD FOAM	1298(REV.)
PLASTICS, CELLULAR	FLEXIBLE POLYURETHANE FOAM	1345(REV.)
PLASTICS, CELLULAR	THERMALLY CONDUCTIVE SYNTACTIC FOAM	1409(REV.)
PLASTICS, CELLULAR	LOW DENSITY EPOXY ENCAPSULANTS	1411(REV.)
PLASTICS, CELLULAR	MOLDING CHARACTERISTICS OF THERMOPLASTIC FOAMS	1414(REV.)
PLASTICS, CELLULAR	FEASIBILITY STUDY FOR PRODUCING HIGH-DENSITY POLYSTYRENE BEAD FOAM	1422(REV.)
PLASTICS, FILLED	EFFECTS OF TEMPERATURE ON FILLED EPOXY ENCAPSULATION MATERIALS	11
PLASTICS, MOLDING	TRANSFER MOLDING CLOSE TOLERANCE PARTS	166
PLASTICS, MOLDING	TRANSFER MOLDING OF CLOSE TOLERANCE PARTS	283
PLASTICS, MOLDING	AN INVESTIGATION OF INTERNAL CAVITY PRESSURE FOR INJECTION-MOLDED POLYCARBONATES	601(REV.)
PLASTICS, MOLDING	MOISTURE EFFECTS ON THERMOSET MOLDING COMPOUNDS	821(REV.)
PLASTICS, MOLDING	EFFECTS OF MOISTURE UPON SPIRAL FLOW IN THERMOSET MOLDING COMPOUNDS	930(REV.)
PLASTICS, MOLDING	PRESSURE DISTRIBUTION IN POLYCARBONATE INJECTION MOLDINGS	951
PLASTICS, MOLDING	AN INVESTIGATION OF INTERNAL CAVITY PRESSURE AND THICKNESS RESPONSE FOR INJECTION- MOLDED POLYCARBONATES	1002
PLASTICS, MOLDING	EVALUATION OF TPX MOLDING RESIN	1301(REV.)
PLASTICS, MOLDING	EFFECTS OF MOISTURE AND TRANSFER PRESSURE ON SURFACE FINISH AND SHRINKAGE OF 52-20-30 DIALLYL PHTHALATE	1569
PLASTICS, REINFORCED	DESIGN OF JOINTS FOR FILAMENT-WOUND CYLINDERS	142
PLASTICS, REINFORCED	DESIGN AND DEVELOPMENT OF A THREE-DIMENSIONAL INTERLOCKED, FILAMENT-WOUND COMPOSITE	143
PLASTICS, REINFORCED	SPLIT FIBERGLASS HOLDER	198
PLASTICS, REINFORCED	AFAP REINFORCED COMPOSITE CASE (FY70-3)	254
PLASTICS, REINFORCED	REINFORCED COMPOSITE CASE, FY70-4	289(REV.)
PLASTICS, REINFORCED	DIELECTRIC ANALYSIS OF AN EPOXY PREIMPREGNATED MATERIAL	1396
PLASTICS, THERMOPLASTIC	TESTING PROBLEMS OF SPACE AGE PLASTICS	58
PLASTICS, THERMOPLASTIC	THERMOPLASTIC FRONTIER LAWS-GOOD AND BAD GUYS	60
PLASTICS, THERMOPLASTIC	DESIGN OF AN INSULATOR WHICH MUST SURVIVE HIGH G-FORCES	213
PLASTICS, THERMOPLASTIC	DESIGN EVALUATION OF INSULATOR PIN	294

SUBJECT	TITLE	DOCUMENT NUMBER BOX-613-
PLASTICS, THERMOPLASTIC	STRESS-CRACKING AND FRACTURE TOUGHNESS OF POLYCARBONATE MATERIAL	512
PLASTICS, THERMOPLASTIC	LOW TEMPERATURE PROPERTIES OF GENERAL ELECTRIC LEXAN 8070-112 THIN POLYCARBONATE FILM	705(REV.)
PLASTICS, THERMOPLASTIC	SOLVENT ANALYSIS OF STRESSES IN MOLDED POLYCARBONATE PARTS	1172
PLASTICS, THERMOPLASTIC	EVALUATION OF THERMOPLASTIC POLYESTER MOLDING RESINS	1189
PLASTICS, THERMOPLASTIC	EVALUATION OF POLYPHENYLENE SULFIDE	1260(REV.)
PLASTICS, THERMOPLASTIC	INVESTIGATION OF NEW ENGINEERING THERMOPLASTICS	1425(REV.)
PLASTICS, THERMOSETTING	CAST FLEXIBLE URETHANE POLYMERS	20
PLASTICS, THERMOSETTING	AN EPOXY RESIN WITH IMPROVED ELECTRICAL PROPERTIES	41
PLASTICS, THERMOSETTING	A CAST FLEXIBLE ESTER-URETHANE POLYMER	65
PLASTICS, THERMOSETTING	BORON TRIFLUORIDE-AMINE ADDUCTS AS HARDENERS FOR LIQUID EPOXY RESINS	105
PLASTICS, THERMOSETTING	EPON 828/MENTHANE DIAMINE CURING FACTORS	109
PLASTICS, THERMOSETTING	COMPUTERIZED EXOTHERM CALCULATIONS FOR LARGE EPOXY CASTINGS	114
PLASTICS, THERMOSETTING	A DESCRIPTION OF VARIOUS METHODS OF PREPARING POLYAMIC ACIDS AND POLYIMIDES	509
PLASTICS, THERMOSETTING	EVALUATION OF HIGH TEMPERATURE DIELECTRICS	534(REV.)
PLASTICS, THERMOSETTING	CHARACTERIZATION OF CONATHANE EN-4 URETHANE RESIN	842(REV.)
PLASTICS, THERMOSETTING	LINEAR THERMAL EXPANSION OF FILLED EPOXY RESINS	952
PLASTICS, THERMOSETTING	PREPARATION OF A CTBN-MODIFIED EPOXY RESIN	1121(REV.)
PLASTICS, THERMOSETTING	PREPARATION OF A REMOVABLE POLYURETHANE ENCAPSULANT	1406
PLATING	THE TARNISH RESISTANCE OF GOLD PLATING OVER SILVER	5
PLATING	ELECTROPLATING ON TITANIUM AND TITANIUM ALLOYS	24
PLATING	PHYSICAL PROPERTIES OF ELECTROFORMED NICKEL FROM SULFAMATE SOLUTIONS	32
PLATING	GETTING MORE OUT OF PLATING THROUGH PROCESS SPECIFICATIONS	61
PLATING	ELECTRODEPOSITION OF NICKEL-COBALT ALLOY: OPERATING PARAMETERS AND PHYSICAL PROPERTIES OF THE DEPOSITS	66
PLATING	EVALUATION OF CARBONYL NICKEL	77
PLATING	FEASIBILITY STUDY: PLATING THICKNESS GAGE	104
PLATING	ELECTRODEPOSITION OF ALUMINUM	115
PLATING	ELECTROFORMED GILDING METAL ROTATING BAND	236
PLATING	POLYMERIC CO-DEPOSITION IN GOLD ELECTROPLATE	310
PLATING	PROPERTIES OF PLASMA-SPRAYED ALUMINUM COATING	408
PLATING	THE REFERENCE ELECTRODE AND ITS USE IN DETERMINING INDIVIDUAL ELECTRODE POTENTIALS	412
PLATING	ELECTROCHEMICAL STUDIES OF THE GOLD-COPPER ELECTROPLATING BATH	430
PLATING	ELECTROFORMED NICKEL MOLD INSERTS	454
PLATING	AUTOMATED ANALYSIS OF HYPOPHOSPHITE IN ELECTROLESS NICKEL SOLUTIONS	499
PLATING	PLATING UNIFORMITY	500
PLATING	PROTECTIVE COATINGS FOR URANIUM-NIOBIUM ALLOYS	615
PLATING	GOLD PLATING	805



SUBJECT	TITLE	DOCUMENT NUMBER BOX-613-
PLATING	ALUMINUM PLATING GRAPHITE FIBERS AND BERYLLIUM WIRE	865(REV.)
PLATING	DETERMINING TRACE METALS IN GOLD DEPOSITS AND PLATING BATHS	873
PLATING	ALUMINUM PLATING OF BERYLLIUM WIRE	874
PLATING	ELECTRODEPOSITION OF ALUMINUM FROM ETHER-HYDRIDE SOLUTIONS	875(REV.)
PLATING	ELECTRODEPOSITING PT AND PT-IR ALLOYS FROM MOLTEN CYANIDES: CHEMICAL PROCESS STUDIES	1064(REV.)
PLATING	PLATING ON POLYIMIDE	1177(REV.)
PLATING	THE FEASIBILITY OF ELECTROPLATING PLATINUM-IRIDIUM OUT OF FUSED CHLORIDES	1227
PLATING	SURFACE PREPARATION OF KAPTON FOR ALUMINUM DEPOSITION	1454(REV.)
PLATING	DEVELOPMENT OF PLATING THICKNESS STANDARDS	1709
PLATING	MULTILAYERED PLATING THICKNESS	1795
PLATING	PLATING THICKNESS STANDARDS	1805
PLATING	ELECTRICAL MEASUREMENTS OF PLATING THICKNESS	1942
PLATING	ELECTRICAL COMPENSATION SYSTEM FOR PLATED-THROUGH-HOLE TESTER	1943
PLATING	ELECTROPLATED GOLD FOR HYBRID MICROCIRCUITS	2114
PLATING	MICROHM RESISTANCE MEASUREMENTS TO DETERMINE PLATING THICKNESS ON PWB	2128
PLATING STANDARDS	DEVELOPMENT OF PLATING THICKNESS STANDARDS FOR THE PHYSICAL VAPOR DEPOSITION OF ALUMINUM ON KAPTON	1634
PLATINUM	PLATINUM RESISTANCE THERMOMETER CALIBRATION ON THE INTERNATIONAL PRACTICAL TEMPERATURE SCALE OF 1968	1373
POLYETHYLENE	PREPARATION AND PROPERTIES OF DEUTERATED POLYETHYLENE	1570
POLYSTYRENE	A NEW POTTING MATERIAL-EXPANDABLE POLYSTYRENE BEAD FOAM	1647
POLYSTYRENE FOAM	MECHANICAL PROPERTIES OF 0.2 G/CM <sup>3</sup> POLYSTYRENE BEAD FOAM	1725
POTTING	ADVANTAGES OF GLASS MICRO-BALLOONS AS FILLER MATERIAL	6
POTTING	POTTING PROBLEMS RELATED TO PACKAGING DESIGN	23
POTTING	NEW POTENTIAL IN RIGID POTTING COMPOUNDS	56
POTTING	TECHNIQUES IN USING POLYURETHANE MATERIALS FOR ENCAPSULATION	123
POTTING	EXOTHERM LOCATION CAN CAUSE PROBLEMS IN POTTING	124
POTTING	BONDING STRENGTH OF ENCAPSULATING MATERIALS TO HOOKUP WIRE	135
POTTING	TEMPERATURE DEPENDENT PROPERTIES OF POTTING MATERIALS	1133(REV.)
POTTING	USE OF EN-7 TO ENCAPSULATE ANALYZER ASSEMBLIES	1135(REV.)
POTTING	COMPARISON OF ALTERNATE MATERIALS FOR MOCA CURED ADIPRENE L-100	1207
POTTING	DESIGN MANUAL FOR POTTING ELECTRONIC ASSEMBLIES	1216(REV.)
POTTING	TEMPERATURE DEPENDENT PROPERTIES OF POTTING MATERIAL	1519
POTTING	DEPOTTING ELECTRONIC ASSEMBLIES	1530
POTTING	IMPROVED PROCESS FOR IMPREGNATING HIGH VOLTAGE TRANSFORMERS	1650
PRE-SEALING	REHABILITY OF PACKAGED BEAM-LEAD TRANSISTORS BUILT WITH DIFFERENT PRE-SEAL ASSEMBLY TECHNIQUES	1952
PRECISION MACHINING	DRILLING MINATURE HOLES PART 1	1785
PRECISION MACHINING	DRILLING MINATURE HOLES, PART 2	1786

SUBJECT	TITLE	DOCUMENT NUMBER BDX-613-
PRECISION MACHINING	DRILLING MINIATURE HOLES, PART 3	1787
PRECISION MACHINING	MOORE NUMBER 5 DIAMOND TURNING MACHINE DESIGN AND DESCRIPTION	2051
PRESSURE VESSELS	FABRICATION OF FAILSAFE PRESSURE VESSELS	712
PRINTED CIRCUITS	STATE OF CURE OF PRINTED CIRCUIT BOARDS	233
PRINTED CIRCUITS	FABRICATION OF MULTILAYER PRINTED WIRING BOARDS	382(REV.)
PRINTED CIRCUITS	PHOTOFABRICATION PROCESSES FOR PRINTED CIRCUITS	496
PRINTED CIRCUITS	SOLDER SPLATTER CAUSED BY OUTGASSING HOLES IN PRINTED WIRING BOARDS	505
PRINTED CIRCUITS	PREVENTION OF TIN-LEAD OVERHAND IN PLATED COPPER-CLAD PRINTED WIRING BOARDS	670
PRINTED CIRCUITS	NON-DESTRUCTIVE METHODS FOR THE ACCEPTANCE OF PLATING THICKNESS ON PRINTED CIRCUIT BOARDS	1044
PRINTED CIRCUITS	ACCURACY OF WEIGHT METHOD USED TO DETERMINE ALUMINUM FOIL THICKNESS	1245(REV.)
PRINTED CIRCUITS	PLATED THROUGH-HOLES IN FLEXICIRCUITS	1254(REV.)
PRINTED CIRCUITS	IMPROVED PRECISION ALUMINUM ETCHANT	1281(REV.)
PRINTED CIRCUITS	REWORK OF MULTILAYER PRINTED WIRING BOARD ASSEMBLIES	1315
PRINTED CIRCUITS	SANDIA/BENDIX STANDARD PROCESS CAPABILITY STUDY OF PRINTED WIRING BOARDS	1349
PRINTED CIRCUITS	ROLLER LAMINATION OF MEDIUM TEMPERATURE FLEX CIRCUITS	1412(REV.)
PRINTED CIRCUITS	ELECTRICAL CONDUCTIVITY STUDY OF ETCHED-OUT PLATED-THROUGH HOLES IN DOUBLE-SIDED PRINTED WIRING BOARDS	1434
PRINTED CIRCUITS	EXPOSURE STUDY FOR DRY-FILM PHOTORESISTS	1469
PRINTED CIRCUITS	EVALUATION OF ALKALINE ETCHANTS FOR PRINTED WIRING BOARDS	1523
PRINTED CIRCUITS	HMC SPRAY, DEVELOPING, STRIPPING, AND ETCHING	1803
PRODUCTION METHODS	PRODUCTION OF A RELAY UNDER CONTROLLED CONDITIONS	2
PRODUCTION METHODS	TOTAL PURCHASING DATA PROCESSING SYSTEM	17
PRODUCTION METHODS	WHY NOT MECHANIZE MAINTENANCE	29
PRODUCTION METHODS	TOTAL PROCUREMENT SYSTEM PLAN	33
PRODUCTION METHODS	MANAGEMENT CONSIDERATIONS FOR CLEAN WORKING AREAS	44
PRODUCTION METHODS	A PLANT ENGINEERING DISCIPLINE FOR CLEAN WORKING AREAS	54
PRODUCTION METHODS	BENEFITS ACCRUED TO HIGHLY PRECISE MANUFACTURE FROM CLEAN WORK POSITIONS	55
PRODUCTION METHODS	GRAPHIC AID TO DESIGN OF SPLICED QUARTER-WAVE RESONANT LINES	82
PRODUCTION METHODS	A COEFFICIENT OF THERMAL EXPANSION CAN BE DESIGNED	83
PRODUCTION METHODS	ANSWERS TO LOW-COST PRODUCTION PACKAGING	84
PRODUCTION METHODS	FLEXIBLE CABLE LACING	91
PRODUCTION METHODS	REPORT ON DEVELOPMENT OF INDUCTANCE STANDARDS	98
PRODUCTION METHODS	ZIPPERED MANDRELS	99
PRODUCTION METHODS	FLUIDIZED BED COATING	100
PRODUCTION METHODS	SOLID LUBRICANT APPLICATION BY SPRAY AND TUMBLE METHODS	108
PRODUCTION METHODS	DESIGNING AND MOLDING MODULE HOUSINGS FOR ELECTRONIC PACKAGES	122

SUBJECT	TITLE	DOCUMENT NUMBER BDX-613-
PRODUCTION METHODS	DETERMINING PROPER THREAD ENGAGEMENT BY NOMOGRAPH	139
PRODUCTION METHODS	DESIGN CONSIDERATIONS IN THE PRODUCTION OF STRIPLINE FERRITE CIRCULATORS	146
PRODUCTION METHODS	MACHINE COOLANT SELECTION AND MAINTENANCE MANUAL	205(REV.)
PRODUCTION METHODS	BORON SHOT FABRICATION	227(REV.)
PRODUCTION METHODS	THE DETERMINATION OF AVERAGE CYCLE TIME FOR AN AUTOMATED WAREHOUSE	274
PRODUCTION METHODS	ELEMENTARY RELATIONSHIPS OF WORKER EFFICIENCY TO THE WORK ENVIRONMENT	415
PRODUCTION METHODS	LINE OF BALANCE ACCURACY	442
PRODUCTION METHODS	COMPUTER SIMULATION MODELING OF AN AUTOMATED WAREHOUSE SYSTEM	456
PRODUCTION METHODS	SCS CASE	463
PRODUCTION METHODS	PROCESSING EVALUATION OF MAGNETIC PRODUCTS	518(REV.)
PRODUCTION METHODS	RUST PREVENTION IN TOOL STORAGE AREAS	559
PRODUCTION METHODS	NONMETALLIC TOOLING CAPABILITIES AND ECONOMICS, FY72-4	738
PRODUCTION METHODS	NONMETALLIC TOOLING CAPABILITIES AND ECONOMICS, FY73-1	778
PRODUCTION METHODS	IMPROVED WORK DIRECTORS	964(REV.)
PRODUCTION METHODS	NONMETALLIC TOOLING CAPABILITIES AND ECONOMICS	1065(REV.)
PRODUCTION METHODS	AUTOMATED SCHEDULING OF MANUFACTURING RESOURCES	1077
PRODUCTION METHODS	RESOURCES FORECASTING SYSTEM	1078
PRODUCTION METHODS	AUTOMATIC PHOTOMASK ALIGNMENT AND EXPOSURE ON 3.75 BY 4.50 INCH SUBSTRATES	1101(REV.)
PRODUCTION METHODS	AUTOMATIC MACHINE APPLICATION OF SOLID FILM LUBRICANT	1169
PRODUCTION METHODS	MAINTENANCE WORK STANDARDS AND COMPUTERIZED WORK SYSTEM	1235
PRODUCTION METHODS	DEVELOPMENT OF AN IMPROVED BONDING FIXTURE	1252(REV.)
PRODUCTION METHODS	CAPPING FIXTURE FOR DISCRETE SEMICONDUCTORS	1285
PRODUCTION METHODS	PHOTOTOOL FABRICATION METHODS	1286
PRODUCTION METHODS	A PRESS FIT INTERFERENCE-LIMIT STUDY FOR MINIATURE ASSEMBLIES	1319
PRODUCTION METHODS	PROCESS ACCEPTANCE AND ADJUSTMENT TECHNIQUES FOR SWISS AUTOMATIC SCREW MACHINE PARTS	1354(REV.)
PRODUCTION METHODS	SMALL POWDER PARTS	1386(REV.)
PRODUCTION METHODS	GLASS SEALING PROCESS FOR ELECTRICAL FEEDTHROUGHS	1424(REV.)
PRODUCTION METHODS	GROUP TECHNOLOGY	1478
PRODUCTION METHODS	COMPUTER AIDED FAILURE ANALYSIS	1552(REV.)
QUALITY CONTROL	APPLICATION OF PUNCHED CARD TECHNIQUES FOR OPTIMIZING RELIABILITY	1
QUALITY CONTROL	SEMICONDUCTOR FAILURE ANALYSIS USING THE CHARACTERISTIC CURVE	9
QUALITY CONTROL	COMPUTERIZED QUALITY CONTROL	26
QUALITY CONTROL	A STANDARDS AND CALIBRATION PROGRAM IN A LARGE DEFENSE PLANT	43
QUALITY CONTROL	WHAT CAN THE QUALITY ENGINEER EXPECT FROM MEASURING INSTRUMENTS	57
QUALITY CONTROL	COMPARATIVE DUCTILITY OF BRITTLE METALS BY A PRECISION ELONGATION TECHNIQUE	92

SUBJECT	TITLE	DOCUMENT NUMBER BOX-613-
QUALITY CONTROL	DIAGNOSIS OF MALFUNCTIONS IN COMPLEX ELECTRONIC ASSEMBLIES	337(REV.)
QUALITY CONTROL	ELECTRICAL CONTACT SURFACE TREATMENT	402(REV.)
QUALITY CONTROL	QUALIFICATION OF MINIATURE INTERNAL THREADS USING AIR FLOW	716(REV.)
QUALITY CONTROL	INVESTIGATION OF KNITTED FABRICS	783
QUALITY CONTROL	RECOMMENDED SCREW TORQUES FOR 0.6, 0.8, AND 1.0 UNIFIED NATIONAL MINIATURE THREADS	825
QUALITY CONTROL	DELIQUESCENT-CHEMICAL MAXIMUM HUMIDITY INDICATOR	921
QUALITY CONTROL	VIBRATION ANALYSIS	926
QUALITY CONTROL	APPLICATION OF STATISTICAL METHODS TO MANUFACTURING OPERATIONS	1079
QUALITY CONTROL	DETECTION AND SUPPRESSION OF TRANSISTOR OSCILLATION DURING POWER-BURN-IN	1144(REV.)
QUALITY CONTROL	MAXIMUM HUMIDITY INDICATOR	1150(REV.)
QUALITY CONTROL	EFFECTS OF COATING AND CLEANING ON CORONA AND HIGH-VOLTAGE BREAKDOWN IN ELECTRONIC ASSEMBLIES	1181(REV.)
QUALITY CONTROL	LASER STRIPPING FOR WIRE BREAKAGE DIAGNOSIS	1208(REV.)
QUALITY CONTROL	DETECTION AND CONTROL OF POWER-LINE TRANSIENTS AFFECTING TESTER AND GAGE PERFORMANCE	1421
QUALITY CONTROL	EVALUATION OF HIGH DENSITY BRAID TERMINATION FATIGUE LIFE AND CONDITION	1435(REV.)
QUALITY CONTROL	FEASIBILITY STUDY OF DIODE PRECONDITIONING	1465(REV.)
RADIATION TESTS	QUANTITATIVE AUGER ELECTRON ANALYSIS OF GOLD-COPPER ALLOYS	1466(REV.)
RADIATION TESTS	MULTILAYERED PLATING THICKNESS MEASUREMENT	1632(REV.)
RELAYS	DIGITIZING CONTACT BOUNCE	1756
RESINS	SYNTHESIS OF POLYAMINOBISSMALEIMIDE	1480
RESINS	RESIN PROCESS CONTROLS	1988
SILICONES	SHELF LIFE AGING OF DC-302 SILICONE MOLDING COMPOUND	1880
SINTERING	EFFECTS OF SINTERING ATMOSPHERES ON THE ELECTRICAL AND CERAMIC PROPERTIES OF LEAD ZIRCONATE-LEAD TITANATE FERROELECTRICS	45
SOLDER	SOLDERABILITY TEST DEVELOPMENT	1706
SOLDER	A BOUNDARY VALUE DETERMINATION OF CONTACT ANGLE	2003
SOLDER ALLOYS	ROOM TEMPERATURE AGING PROPERTIES OF SOME SOFT SOLDER ALLOYS	1599
SOLDERING	SOLDERING TO GOLD PLATING	40
SOLDERING	SOLDERABILITY TESTING	73
SOLDERING	PREVENTING FAILURES IN SOLDERING TERMINALS	97
SOLDERING	LEAD WIRE SOLDERABILITY TEST	128
SOLDERING	SOLDERS FOR THICK GOLD PLATING	133
SOLDERING	FLATPACK REFLOW SOLDERING	141
SOLDERING	INFRARED REFLOW SOLDERING	169
SOLDERING	REQUIREMENTS FOR REFLOW SOLDERING OF INTEGRATED CIRCUIT FLATPACKS	187
SOLDERING	SOLDERABILITY PROBLEMS CAUSED BY GOLD ELECTROPLATE	324
SOLDERING	FLATPACK INSTALLATION BY SINGLE-PROBE REFLOW SOLDERING	326

SUBJECT	TITLE	DOCUMENT NUMBER BDX-613-
SOLDERING	FLOW SOLDERING AND SUPPORTING PROCESSES	330
SOLDERING	SOLDER LEVELING OF PRINTED WIRING BOARDS	443
SOLDERING	SOLDER LEVELING APPLIED TO MANUFACTURING	465(REV.)
SOLDERING	HAND TOOL FOR INSTALLING SOLDER FORMS OVER COMPONENT LEADS	602(REV.)
SOLDERING	SOLDER LEVELING	616
SOLDERING	REQUIREMENTS FOR REFLOW SOLDERING OF INTEGRATED CIRCUIT FLATPACKS	664
SOLDERING	SOLDER LEVELING	739
SOLDERING	FLATPACK SOLDERING TO SOLDER-LEVELED PRINTED WIRING BOARDS	839(REV.)
SOLDERING	ULTRASONIC TINNING OF COMPONENT LEADS	996
SOLDERING	SOLDER SLEEVES	1042(REV.)
SOLDERING	FEASIBILITY OF DRAG SOLDERING	1051(REV.)
SOLDERING	COA725 TRANSFORMER LEAD SOLDER JOINT EVALUATION	1234(REV.)
SOLDERING	EQUIPMENT EVALUATIONS AND PROCESS TECHNIQUES FOR DRAG SOLDERING PRINTED WIRING ASSEMBLIES	1404(REV.)
SOLDERING	INDUCTION SOLDERING EVALUATION	1453
SOLDERING	LOW TEMPERATURE ALUMINUM SOLDERING ANALYSIS	1557
SOLDERING	STRESS RELIEF TECHNIQUES FOR REDUCING THERMAL FATIGUE IN SOLDER JOINTS	1655
SOLDERING	SOLDERING AUTOMATION	1865
SOLDERING	QUANTITATIVE COMPARISON OF ELECTRONIC COMPONENT-SOLDER JOINT STRESS RELIEF IN ENCAPSULATED ASSEMBLIES	1868
SOLDERING	TEMPERATURE VERSUS TIME CURVES FOR MANUAL AND AUTOMATED SOLDERING PROCESSES	1920
STATIC ELECTRICITY	STATIC ELIMINATION WORK STATIONS	1953
STATISTICAL ANALYSIS	BINOMIAL SAMPLING PLANS INDEXED BY AQL AND LTPD	47
STATISTICAL ANALYSIS	ONE SIDED TOLERANCE LIMITS OF A NORMAL DISTRIBUTION BASED ON SAMPLE MEAN AND MEAN RANGE	49
STATISTICAL ANALYSIS	CONFIDENCE LIMITS ON A PROPORTION DEFECTIVE CHARACTERIZED BY TWO SPECIFICATION LIMITS	80
STATISTICAL ANALYSIS	COMPUTERIZED INTERPRETATION OF A DATA CHARACTERISTIC	87
STATISTICAL ANALYSIS	CHARACTERISTICS OF SKIP LOT SAMPLING	116
STATISTICAL ANALYSIS	SOLUTIONS FOR THE WAGR SEQUENTIAL T-TEST, SEQUENTIAL VARIABLES SAMPLING TO CONTROL THE PERCENT DEFECTIVE	117
STATISTICAL ANALYSIS	QUANTITATIVE ADJUSTMENTS FOR PERCENT DEFECTIVES IN NON-NORMAL DISTRIBUTIONS	510
STATISTICAL ANALYSIS	CONTINUOUS STRATIFIED SAMPLING OF IN-PROCESS INVENTORY	1032
STATISTICAL ANALYSIS	SAMPLE SIZE TO SET SPECIFICATION LIMITS	1223
STATISTICAL ANALYSIS	APPLICATION AREA FOR STATISTICAL METHODS (CONFERENCE PAPER)	1600
STORAGE/RETRIEVAL	SIMULATION MODELING OF AN AUTOMATED MATERIAL STORAGE/RETRIEVAL SYSTEM	1870
STRAIN HARDENING	THE STRENGTHENING OF STEEL BY MARSTRAINING WITH HIGH-ENERGY-RATE FORMING EQUIPMENT	103
STRAIN HARDENING	STRAIN HARDENING EXPONENT FOR 17-4 PH STAINLESS STEEL	577
STRESS ANALYSIS	A DISTORTION ENERGY FAILURE THEORY FOR ORTHOTROPIC MATERIALS	136

SUBJECT	TITLE	DOCUMENT NUMBER BOX-613-
STRESS ANALYSIS	A STRESS ANALYSIS OF THICK-WALL ORTHOTROPIC SPHERICAL VESSELS	137
STRIPPER	N-METHYL-2-PYRROLIDONE AS A STRIPPER FOR PLASTIC POTTING COMPOUNDS	1955
TECHNICAL WRITING	WRITING METAL FINISHING PROCESS SPECIFICATIONS	50
TECHNICAL WRITING	WRITERS GUIDE TO THE PREPARATION OF ARTWORK FOR TECHNICAL REPORTS	234
TECHNICAL WRITING	THE EDITOR'S NOTEBOOK	259
TECHNICAL WRITING	TYPIST'S GUIDE TO BENDIX KANSAS CITY TECHNICAL REPORTS	261
TECHNICAL WRITING	THE INCOMPLEAT STYLIST	317
TELEVISION	MONITORING SINUSOIDAL VIBRATION INVIRONMENTS WITH A TV SYSTEM	1295
TEMPERATURE CONTROL	DIGITAL CONTROLLER FOR CYCLIC TEMPERATURE CONTROL	2010
TENSION TESTS	A METHOD FOR INTERRUPTING A HIGH STRAIN RATE TENSION TEST BEFORE SPECIMEN FRACTURE	81
TENSION TESTS	TENSILE TESTING OF HIGH STRENGTH MATERIALS	110
TESTING	TELEMETRY TEST METHODS	1811
TESTING	CONTACTOR SPEEDS S-PARAMETER TESTS	1967
TESTING	MASS PARALLEL INTERFACE INPUTS DATA TO POP-11	1968
TESTING	DESTRUCTIVE TESTING OF HYBRID MICROCIRCUITS CONTAINING THERMOCOPRESSION BONDED DEVICES AND LEAD-INDIUM SOLDERED CAPACITORS	2081
THERMONUCLEAR ENERGY	SORTING AND HANDLING LASER TARGETS	1325
TRANSFORMERS	THE IMPEDANCE OF A COIL PLACED ON A CONDUCTING PLANE	27
TRANSFORMERS	FERRITE-CORE TRANSFORMER BONDING AND POTTING	992
TUNGSTEN-RHENIUM	DEVELOPMENT OF A METALLOGRAPHIC METHOD FOR TUNGSTEN-RHENIUM	1744
URETHANE FOAMS	HIGH LOAD BEARING FLEXIBLE URETHANE FOAMS	1750
WEAVING	HIGH-DENSITY BRAID CABLE SHIELD, FY72-1	543(REV.)
WEAVING	HIGH-DENSITY BRAID CABLE SHIELDS, FY72-3	690
WEAVING	HIGH-DENSITY BRAID CABLE SHIELDS, FY72-4	776(REV.)
WEAVING	DESIGN OF A WIRE TENSIONING DEVICE	844(REV.)
WEAVING	WOVEN-WIRE TAPE VENDOR DEVELOPMENT FY73-3	914(REV.)
WEAVING	WIRE WOVEN TAPE MEASUREMENTS	1180
WEAVING	FATIGUE FAILURE IN BRAIDED ELECTROMAGNETIC-RADIATION SHIELDING	1192(REV.)
WELDING	ULTRASONIC SPOT WELD EVALUATION	14
WELDING	NONDESTRUCTIVE TESTING OF PERCUSSIVE ARC WELDS	107
WELDING	JOINING HIGH-STRENGTH STEELS BY DIFFUSION BONDING	113
WELDING	PERCUSSIVE ARC WELDING FOR ELECTRICAL ASSEMBLIES	126
WELDING	DEVELOPMENT OF INSTRUMENTATION FOR RELIABLE PERCUSSIVE ARC WELDING SYSTEMS	129
WELDING	ALUMINUM PULSE-ARC WELDING	320
WELDING	ALUMINUM PULSE-ARC WELDING	321
WELDING	PERCUSSIVE-ARC VERSUS PULSE-ARC WELDING	395
WELDING	ELECTRICAL TERMINATIONS: WELDED, BRAZED AND BONDED	427

SUBJECT	TITLE	DOCUMENT NUMBER BDX-613-
WELDING	ELECTRICAL TERMINATIONS: WELDED, BRAZED, AND BONDED, FY71-4	472
WELDING	ELECTRICAL TERMINATIONS WELDED, BRAZED AND BONDED, FY72-1	544
WELDING	ELECTRICAL TERMINATIONS: WELDED, BRAZED AND BONDED, FY72-2	613(REV.)
WELDING	BENDIX KANSAS CITY ELECTRICAL TERMINATION WELDING HANDBOOK	637
WELDING	ELECTRICAL TERMINATIONS: WELDED, BRAZED, AND BONDED, FY72-3	662
WELDING	ELECTRICAL TERMINATIONS: WELDED, BRAZED, AND BONDED, FY72-4	773
WELDING	ULTRASONIC WELDING OF NYLON CELL CASES ON A NICKEL CADMIUM BATTERY	888(REV.)
WELDING	ULTRASONIC WELDING OF ELECTRICAL TERMINATIONS	1016
WELDING	ULTRASONIC WELDING OF ELECTRICAL TERMINATIONS	1158(REV.)
WELDING	WELDING OF HERMETIC CONNECTORS	1293(REV.)
WELDING	ULTRASONICALLY WELDING ELECTRIC TERMINALS	1376(REV.)
WELDING	DESIGN MODIFICATION FOR HIGH VOLTAGE ELECTRON BEAM WELDING MACHINE	1488
WELDING	CLOSED CIRCUIT TELEVISION WELDING ALIGNMENT SYSTEM	1533
WELDING	WELDING ELECTRIC TERMINALS ULTRASONICALLY	1565
WELDING	LASER WELDING OF ELECTRICAL CONNECTIONS	2022
WELDING	IMPROVED PROCESS FOR WELDING STUDS TO RING AND STUD ASSEMBLIES	2031
WELDING	FINITE ELEMENT ANALYSIS OF LASER WELDING INDUCED THERMAL SHOCK	2118
X RAY INSPECTION	A THEORETICAL TREATMENT OF LOW VOLTAGE CONTINUOUS SPECTRUM X-RADIATION	4
X RAY INSPECTION	USES OF LOW VOLTAGE X-RAY TUBES WITH THIN BERYLLIUM WINDOWS	15
X RAY INSPECTION	A MICROMETER SPECIMEN TRANSLATOR FOR FLUORESCENT X-RAY SPECTROSCOPY	138
X RAY INSPECTION	A QUANTITATIVE STUDY OF THE SPECTRAL DISTRIBUTION OF LOW ENERGY X-RAY DEVICES	704

LAST LINE

Appendix G

DRAWING SETS RELEASED



Appendix G

DRAWING SETS RELEASED

1. Total Area Loading Compression Test Fixture
2. Air-Bearing Compression Test Fixture
3. Helical Tape Winder
4. Mandrel Rotator
5. Laser Verge and Shaft Balancing System
6. Mixing Head for Urethane Foam Metering and Mixing Machines
7. Omni-Directional Light Source
8. Rolamite Sensors
9. Miniature Gear Checking Machine
10. High Speed Scaling Counter for Laser Interferometer
11. Pantograph Positioning System for Inspecting Microcircuits
12. Percussive Arc Welding Power Supply and In-Process Monitor

## DISTRIBUTION

	Copy
R. Bulcock, DOE-KCAO	1
J. H. Sund, DOE-KCAO	2
H. N. Meyer, Jr., DOE-ALO	3
S. C. Taylor, DOE-ALO	4
R. Caudle, DOE-MA, Washington, DC	5
P. W. Rosser, OR	6
H. R. Marron, Southfield	7
J. W. Weil, Southfield	8
R. J. Quirk/V. L. Ritter, D/010, 2A50	9
D. B. Badgerow, D/010, 2E50	10
R. L. Calkins, D/010, 2A42	11
K. K. Clegg, D/010, 2E50	12
C. F. Kircher, D/010, 1A44	13
J. A. Knuth, D/010, FH31	14
D. J. Nigg, D/010, 2A42	15
S. L. Sabanske, D/010, 2E50	16
J. H. Swafford, D/100, FB39	17
R. W. Renfrow, D/500, 1C46	18
J. E. Long, D/531, 1A46	19
H. T. Barnes, D/554, BD50	20
L. Stratton, D/554, 2C43	21
G. M. Grogger, D/744, MC45	22
R. P. Frohberg, D/800, 2A39	23
D. H. Hax, D/800, 2A41	24
F. A. Spies, D/800, 2A39	25
A. K. Thoeni, D/800, FC39	26
R. E. Kessler, D/865, 2C40	27
I. C. Schreiber, D/865, 2E41	28