I.C.E. Integrated Circuit Collection

NMAH.AC.0600
Alison Oswald
2005
# Table of Contents

Collection Overview ........................................................................................................ 1  
Administrative Information ............................................................................................ 1  
Scope and Contents ........................................................................................................ 2  
Arrangement ..................................................................................................................... 2  
Biographical / Historical ............................................................................................... 2  
Names and Subjects ....................................................................................................... 3  
Container Listing ........................................................................................................... 4  

Series 1: Status Reports, 1970-1997........................................................................... 4  
Series 2: Product Analysis (about 50 out of 68), 1966 - 1971................................. 6  
Series 4: Construction Analysis (alphabetical by chip), 1997 - 1997..................... 16  
Series 5: Information Reports, 1966-1986............................................................... 27  
Series 7: Packaging, 1982....................................................................................... 31  
Series 8: Company Profiles, 1991-1995.................................................................. 32  
Series 9: ICECAP Reports, 1980-1990................................................................. 33  
Series 11: Artwork, undated.................................................................................... 53  
Series 12: Trade Catalogs, undated......................................................................... 55  
Series 13: Hybrid Circuits, undated.......................................................................... 57  
Series 14: ASIC Outlook, 1984-1997..................................................................... 58  
Series 15: TASC Files (Government Contracts), undated...................................... 59  
Series 16: Project Files, undated............................................................................ 61  
Series 17: Litigation, 1968 - 1971........................................................................... 264  
Series 19: Audio Visual Materials, undated.......................................................... 310  
Collection Overview

Repository: Archives Center, National Museum of American History
Title: I.C.E. Integrated Circuit Collection
Identifier: NMAH.AC.0600
Date: 1970-1997
Extent: 164 Cubic feet (224 boxes)
Language: English.
Summary: Collection documents the 30 year history of Integrated Circuit Engineering Corporation which provided consulting expertise in the field of integrated circuits and semiconductors.

Administrative Information

Acquisition Information
The Integrated Circuit Engineering Collection was donated to the Division of Information, Technology and Society (now the Division of Medicine and Science), National Museum of American History on June 15, 1998, through Glen Madland.

Provenance
The collection was transferred from the Division of Information, Technology and Society (now Division of Medicine and Science) to the Archives Center in April 2002.

Separated Materials
The Division of Information, Technology and Society (now the Division of Work and Industry) has integrated circuits (intact and exposed in various stages of investigation).

Processing Information
Processed by Alison Oswald, archivist, 2005; revised April 2006.

Preferred Citation
I.C.E. Integrated Circuit Collection, Archives Center, National Museum of American History

Restrictions
The collection is open for research use.
Conditions Governing Use

Collection items available for reproduction, but the Archives Center makes no guarantees concerning copyright restrictions. Other intellectual property rights may apply. Archives Center cost-recovery and use fees may apply when requesting reproductions.

Accruals

The Archives Center continues to add to this collection. Four cubic feet of materials were acquired in November 2005 from the Division of Information, Technology and Society (now Division of Medicine and Science).

Biographical / Historical

The Integrated Circuit Engineering Corporation provided consulting expertise in the field of integrated circuits and semiconductors for over 30 years.

Scope and Contents

The collection contains reports, litigation documentation, trade catalogs, company newsletters, professional journals, audio visual materials, artwork, company profiles, contracts and project files documenting the 30 year history of Integrated Circuit Engineering Corporation which provided consulting expertise in the field of integrated circuits and semiconductors.

Arrangement

The collection is divided into twenty series.

- Series 1: Status Reports, 1970-1997
- Series 2: Product Analysis, 1966-1971
- Series 4: Construction Analysis, 1997, undated
- Series 5: Information Reports, 1966-1986
- Series 7: Packaging, 1982
- Series 8: Company Profiles, 1991-1995
- Series 11: Artwork, undated
- Series 12: Trade Catalogs, undated
- Series 13: Hybrid Circuits, undated
- Series 14: ASIC (Application Specific Integrated Circuit) Outlook, 1984-1997
- Series 15: TASC Files, undated
- Series 16: Project, undated
- Series 17: Litigation, 1968-1971, undated
- Series 18: Audio Visual Materials, undated
Names and Subject Terms

This collection is indexed in the online catalog of the Smithsonian Institution under the following terms:

Subjects:
- Integrated circuits
- Semiconductors

Types of Materials:
- Newsletters -- 1950-2000
- Records

Names:
- Project Socrates.
Container Listing

Series 1: Status Reports, 1970-1997

This annual publication is a comprehensive, illustrated report that includes:

A world wide IC industry economic update and forecasts, IC manufacturers, U.S. producers, ASIC (Application Specific IC) market trends, IC technology trends, and memory & microprocessor IC products. Also an appendix that includes a listing of companies that service the IC industry and IC fabrication facilities worldwide.

*The semiconductor industry data is analyzed and presented using two methods. One describes the "market" for semiconductors while the other examines the semiconductor "production" or "sales" of the device manufacturers. In ICE’s analysis, total, world wide semiconductor production equals worldwide semiconductor consumption in any given year.*

Taken in part from *STATUS 1996 Introduction*.

Of note are specific chapters, such as THE CHIP AS A PACKAGE, page 4-44. This chapter explains

...in many cases the MCM (Multi-chip Module) will be able to replace an existing printed circuit assembly- using surface mounted individual IC packages. The replacement market will be driven by the usual market forces of cost, performance, and size.

The chapter includes photographs of particular objects, such as 1991.0117.05 and .06 SunSparc's donated by System Planning. Though not collected from ICE the objects can now be supported/confirmed with further documentation/analysis directly from ICE.

This series contains information concerning the financial aspects of ICE in a collection of annual financial reports referred to as STATUS REPORTS (1970-1997 with 1972 unavailable at this time).

Box 1 (Series 1) ICE Sales Guide, Two Part Brochures, and publication *Introduces ICE*

Box 1 (Series 1) Status Reports, 1970-1982 (1972 missing)

Box 2 (Series 1) Status Reports, 1983-1997

Excerpts from Status 1984

Introduction to Status '84 - page ix

The "boom/bust" cycle of the integrated circuit industry continues-with a much stronger "boom" than expected during the last half of 1983. The measures of this surge in sales are reported in our detailed market review and projections. As did many of hte forecasters, ICE underestimated the strength of sales for the last half of 1983, feeling that the recovery would not pick up speed until early 1984. The effect of the boom is a growing concern over the capability of major manufacturers to deliver required products. Some of the smaller manufacturers report short-term book-to-bill ratios of 2:1. In
doing our market analysis some companies reported that, "We don't need any new orders in 1984."

Worldwide Semiconductor Market Overview - page 1
During 1983, the U.S. economy displayed a swift and vigorous recovery. The semiconductor industry showed the same vigorous recovery. The consensus of forecasts for "moderate" economic gains during 1983 appeared assured through the first few months of the year. However, first-half GNP growth was almost 9 percent, and only a slight slowing of this rate was evident for the remainder of the year. Considering that previous post-recessionary GNP advances were usually about 6-7 percent, the vigor of the rebound was unexpected...

Semicustom/ Custom IC Market (Gate Array Perspective) - page 11
The worldwide gate array market is just beginning to capture a recognizable share of the IC marketplace. Although gate arrays have received extensive publicity and enjoyed widespread use in recent years, the concept is certainly not new. Gate arrays, in some form, have existed since the mid-60s. Why has it taken the gate array approach so long to reach its burgeoning popularity? The answer to this question will be clear after a brief look at history...

Return to Table of Contents
Series 2: Product Analysis (about 50 out of 68), 1966 - 1971

This series contains illustrated reports that are aimed at the IC users who need reliable information on component quality for part qualification purposes, and IC manufacturers who need to stay abreast of competitive technologies being offered. The reports are very detailed and include scanning electron micrographs, x-rays, figures, tables, and histogram. A sampling of six reports a year from ICE’s growing list (as of 1996, over 500 reports). The reports are aimed at IC users who need reliable information on component quality for part qualification purposes, and IC manufacturers who need to stay abreast of competitive technologies.

Box 1 (Series 2)  Spiral Notebooks 1-32 (9, 25 missing)
Box 2 (Series 2)  Spiral Notebooks 33-62 (40, 56-58 missing)
                 One unknown book
Box 3 (Series 2)  Bound Volumes 1-21 (unconfirmed, loose in binders)
Box 4 (Series 2)  Bound Volumes 22-36 (26 missing)
Box 5 (Series 2)  Bound Volumes 37-68 (40, 56-59, 63-67 missing)
Box 6 (Series 2)  Working Files 1-9 (includes old and new 8)
Box 7 (Series 2)  Working Files 10-22 (21 missing)
Box 8 (Series 2)  Working Files 23-59 (out of order, some are not complete)
Box 9 (Series 2)  Working Files 60-
                 One folder titled Integrated Circuit Fabrication
Box 175  Motorola MECL Series, 1966
Box 175  General Instrument MOS-21 Bit Shift Register, 1967
Box 175  Fairchild Logic Circuits, 1967
Box 175  MOS Circuit Evaluation (for American Microsystems, Fairchild Semiconductor,
         General Instrument, and Philco-Ford), 1968
Box 175  Texas Instruments Inc. ECL2550 MSI Active-Element
Box 175  Integrated Circuit packaging, 1970
Box 175  MOS Frequency Divider Circuits (Organ Circuits) from four manufacturers
Box 175  American Microsystems Inc. RD08F Stream Select Dual 50-Bit Dynamic Register, 1970

Box 175  Intel Dual 100 Bit MOS LSI Shift Register, 1970

Box 175  Texas Instruments Schottky-Clamped Transistor, 1971

Box 175  Summary Product Analysis A Compendium of Numerous Integrated Circuits, 1969


Box 175  MOS Fully Decoded Random Access 1024 Bit Dynamic memory Circuits from four manufacturers

This series includes reports with construction and design analysis for microcomputer-related products. The reports identify circuit areas requiring further in-depth analysis for the user's specific application. Of note in the evaluations are the unusual design and processing techniques, identification of functional areas for orientation in test pattern generation, reliability estimates and failure analysis probing.

PE 125 (10379 K) Zilog Z80-CTC - 1979 PDF 11MB
http://smithsonianchips.si.edu/ice/OCR_ScanPE125/PE125(10379-K).pdf

a randomly selected PE as an example of a typical evaluation

Special attention has been paid to unusual design and processing techniques, and to identification of functional areas for orientation in test pattern generation, reliability estimates and failure analysis probing. Unusual is understood to be atypical.

We have randomly included several abstracts below.

Many, but not all, PEs include 3-dimensional objects cross reference.

Product Evaluations: Bound Volumes

Box 1 (Series 3)   PE 101 Intel MCS-80/85 Microcomputer Peripherals MD 8212, MD8224, MD8228 and MC8251 - 1977
Box 1 (Series 3)   PE 102 Texas Instruments SBP 9900 16-Bit I2L Microprocessor - 1977
Box 1 (Series 3)   PE 103 Motorola 6800 Family Microcomputer Peripherals MC6820, MC6850, MC6852 and MC6860 - 1977
Box 1 (Series 3)   PE 104 RADC Advanced Micro Devices, Inc. (AMD) Am 2909 - 1977
Box 1 (Series 3)   PE 105 RADC AMD Am2915, Am2916, and Am2917 - 1977
Box 1 (Series 3)   PE 106 RADC Motorola MC6800 Microprocessor PE-24 - 1977
Box 1 (Series 3)   PE 107 RADC AMD Am 2918 Quad D Register - 1977
Box 1 (Series 3)   PE 108 RADC Motorola MC6830L8 and XC6840L -1977
Box 1 (Series 3)   PE 109 RADC Motorola MC6854 - 1977
Box 1 (Series 3)   PE 110 RADC Intel 8259 - 1977
Box 1 (Series 3)   PE 111 RADC Intel C8255 - 1977
Box 1 (Series 3)   PE 112 RADC Intel C8257 - 1977
Box 1 (Series 3)  PE 113 RADC AMD Am 2901 Microprocessor PE 25,28 - 1977
Box 1 (Series 3)  PE 114 RADC Motorola MC6802 - 1977
Box 1 (Series 3)  PE 115 RADC Motorola MC 6846BQCS
Box 1 (Series 3)  PE 116 RADC Intel MD2147
Box 1 (Series 3)  PE 117 RADC Intel 8085A 8-Bit Microprocessor
Box 1 (Series 3)  PE 118 RADC Harris HD-15530 -1979
Box 1 (Series 3)  PE 119 RADC AMD Am2910 - 1979
Box 1 (Series 3)  PE 120 RADC AMD Am2903 - 1979
Box 1 (Series 3)  PE 121 RADC AMD Am9511 APU
Box 1 (Series 3)  PE 122 RADC Motorola MC10800 - 1979
Box 1 (Series 3)  PE 123 RADC Motorola MC10801- 1979
Box 1 (Series 3)  PE 124 RADC Zilog Z80-CPU 8-bit NMOS Microprocessor - 1979
Box 2 (Series 3)  PE 125 Zilog Z80-CTC
Box 2 (Series 3)  PE 126 Zilog Z80-PIO
Box 2 (Series 3)  PE 127 Zilog Z80-DMA
Box 2 (Series 3)  PE 128 Zilog Z80-SIO
Box 2 (Series 3)  PE 129 Harris HM1-6100 12-bit Microprocessor
Box 2 (Series 3)  PE 130 RADC Intel 8048/8035
Box 2 (Series 3)  PE 131 RADC Fairchild 93481
Box 2 (Series 3)  PE 132 RADC Fairchild 9440 16-bit Microprocessor
Box 2 (Series 3)  PE 133 RADC Intel 8086 16-bit Microprocessor
Box 2 (Series 3)  PE 134 RADC Intel 8088 8-bit Microprocessor
Box 2 (Series 3)  PE 135 RADC Motorola MC6845 CRT Controller
Box 2 (Series 3)  PE 136 RADC Fairchild 9442DC I/O BUS Controller
Box 2 (Series 3)  PE 137 RADC Motorola MC68488
Box 2 (Series 3)  No 138
Box 2 (Series 3)  PE 139 RADC Zilog Z8001
Box 2 (Series 3)  PE 140 RADC Zilog Z8002
Box 2 (Series 3)  PE 141 RADC Intel 8288 BUS Controller
Box 2 (Series 3)  PE 142 RADC Motorola MC68000 16-bit Microprocessor
Box 2 (Series 3)  PE 143 RADC Texas Instruments TMS2516 16K E-PROM
Box 2 (Series 3)  PE 144 RADC Intel D2118 16K Dynamic RAM
Box 2 (Series 3)  PE 145 Zilog Z8MCU - 1982
Box 2 (Series 3)  PE 146 Zilog Z8010 MMU - 1981
Box 2 (Series 3)  PE 147 Zilog Z8036 CIO - 1982
Box 2 (Series 3)  PE 148 Intel 8289 - 1982
Box 3 (Series 3)  Basic Technology (7th edition)
Box 3 (Series 3)  Microcircuit Manufacturers Control Handbook (2nd Edition)
Box 3 (Series 3)  No 149
Box 3 (Series 3)  PE 150 AMI s3505 - 1982
Box 3 (Series 3)  PE 151 Intel 2816 - 1983
Box 3 (Series 3)  PE 152 Intel 8087 - 1983
Box 3 (Series 3)  PE 153 Xicor X2210 - 1983
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<td>Box 4 (Series 3), Folder 2</td>
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<td>Box 4 (Series 3), Folder 3</td>
<td>PE 103 (10215 C) Motorola MC6820, MC6850, MC6852, MC6860 - 1977</td>
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Box 4 (Series 3), Folder 10
PE 111 (10215 J) Intel 82551

Box 5 (Series 3), Folder 1
PE 113 (10215 L) AMD Am2901 DC

Box 5 (Series 3), Folder 2
PE 114 (1039 A) Motorola MC6802

Box 5 (Series 3), Folder 3
PE 115 (10379 B) Motorola MC6846BQCS

Box 5 (Series 3), Folder 4
PE 116 (10379 C) Intel MD2147

Box 5 (Series 3), Folder 5
PE 117 (10379 F) Intel 8085A 8-Bit Microprocessor - 1979

Box 5 (Series 3), Folder 6
PE 118 (10379 G) Harris HD-15530

Box 6 (Series 3), Folder 1
PE 119 (10379 D) RADC AMD Am2903, Am2910 - 1979

Box 6 (Series 3), Folder 2
PE120 (10379 E) RADC AMD Am2903

Box 6 (Series 3), Folder 3
PE 121 (10379 H) RADC AMD Am 9511

Box 6 (Series 3), Folder 4
PE 122 (10379 J) RADC Motorola MC10800 - 1979

Box 6 (Series 3), Folder 5
PE 123 (10379 I) RADC Motorola MC 10801

Box 6 (Series 3), Folder 6
PE 124 (10379 L) RADC Zilog Z80-CPU

Box 7 (Series 3), Folder 1
PE 125 (10379 K) Zilog Z80-CTC

Box 7 (Series 3), Folder 2
PE 126 (10379 M) RADC Zilog Z80-PIO

Box 7 (Series 3), Folder 3
PE 127 (10379 N) RADC Zilog Z80-DMA
Box 7 (Series 3), Folder 4
PE 128 (10379 O) RADC Zilog Z80-SIO

Box 7 (Series 3), Folder 5
PE 129 (10379 P) RADC Harris HM1-6100 12-bit Microprocessor

Box 8 (Series 3), Folder 1
PE 130 (10379 Q) RADC Intel 8048/8035

Box 8 (Series 3), Folder 2
PE 131 (10379 R) RADC Fairchild 93481 4096 X 1-Bit Dynamic RAM

Box 8 (Series 3), Folder 3
PE 132 (10379 S) RADC Fairchild 9440 16-Bit Microprocessor

Box 8 (Series 3), Folder 4
PE 133 (10379 T) Intel 8086 16-Bit HMOS Microprocessor

Box 8 (Series 3), Folder 5
PE 134 (10379 U) RADC Intel 8288 BUS Controller

Box 8 (Series 3), Folder 6
PE 135 (10379 W) RADC Motorola MC 6845 CRT Controller

Box 9 (Series 3), Folder 1
PE 136 (10379 V) RADC Fairchild 9442DC I/O BUS Controller

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PE 137 (10379 X) RADC Motorola MC68488

Box 9 (Series 3)
No PE 138

Box 9 (Series 3), Folder 3
PE 139/140 (10379 AA) RADC Zilog Z8002 and Z8001

Box 9 (Series 3)
No PE 141

Box 9 (Series 3), Folder 4
PE 142 (10379 EE) RADC Motorola MC68000 16-bit Microprocessor

Box 9 (Series 3), Folder 5
PE 143 (10379 DD) Texas Instruments TM2516 16K-PROM

Box 9 (Series 3), Folder 6
PE 144 (10379 CC) RADC Intel D2118

Box 9 (Series 3), Folder 7
PE 145 ½ (10891 A) RADC Zilog Z8 MCU
Box 9 (Series 3), Folder 8  
PE 145 2/2 (10379 --Y) Zilog Z8 - 1981

Box 10 (Series 3), Folder 1  
PE 146 ½ (10891 D) RADC Zilog Z8010 MMU - 1981

Box 10 (Series 3), Folder 2  
PE 146 2/2 (13891 D) Zilog Z8010 - 1981

Box 10 (Series 3), Folder 3  
PE 147 ½ (10891 E) RADC Zilog Z8036 CIO - 1982

Box 10 (Series 3), Folder 4  
PE 147 2/2 (13891 E) Zilog Z8036 - 1981

Box 10 (Series 3), Folder 5  
PE 148 ½ (10891 B) RADC Intel 8289 - 1982

Box 10 (Series 3), Folder 6  
PE 148 2/2 (13891 B) Intel 8085A

Box 11 (Series 3), Folder 1  
PE 149 (10891 F) RADC Motorola MC68120 IPC - 1982

Box 11 (Series 3), Folder 2  
PE 150 (10891 H) RADC AMI S3505

Box 11 (Series 3), Folder 3  
PE 151 ½ (10891 J) RADC Intel 2816 - 1983

Box 11 (Series 3), Folder 4  
PE 151 2/2 (13891 J) Intel 8086 - 1982

Box 11 (Series 3), Folder 5  
PE 152 ½ (10891 I) RADC Intel 8087

Box 11 (Series 3), Folder 6  
PE 152 2/2 (13891 I) Intel 8087 - 1982

Box 12 (Series 3), Folder 1  
PE 153 ½ (10891 G) RADC XICOR X2210 - 1983

Box 12 (Series 3), Folder 2  
PE 153 2/2 (13891 G) XICOR X221

Box 12 (Series 3), Folder 3  
PE 154 (10891 K) RADC RCA MWS5114 - 1983
| Box 12 (Series 3), Folder 4 | PE 155 (10891 C) RADC Intel 2920 - 1983 |
| Box 12 (Series 3), Folder 5 | PE 156 (10891 L) RADC AMD Am2960 |
| Box 12 (Series 3), Folder 6 | PE 157 (10891 M) RADC Intel 8089 - 183 |
| Box 13 (Series 3), Folder 1 | PE 158 (10891 N) SG 1525A -1983 |
| Box 13 (Series 3), Folder 2 | PE 159 (10891 Q) RADC Analog Devices AD41335 - 1983 |
| Box 13 (Series 3), Folder 3 | PE 160 (10891 S) RADC Intel 2164 A |
| Box 13 (Series 3), Folder 4 | PE 161 (10891 R) RADC AMD Am29116 - 1983 |
| Box 13 (Series 3), Folder 5 | PE 162 (10891 L) AMD Am2960 |

Return to Table of Contents
Series 4: Construction Analysis (alphabetical by chip), 1997 - 1997

This series is arranged alphabetically by chip and contains analyses that cover x-rays, optical, scanning electron micrographs, cross sections, topological layout and dimensions, layer thickness, and materials.

Shared Construction Analysis

Box 1 (Series 4) SCA 9712-569: report was issued the 12th month of 1997 and is the 569th report in the series.

ICE Shared Construction Analysis SCA 9311-3001

Box 1 (Series 4) Samsung KM44C4000J-7

Box 1 (Series 4) 16 Megabit DRAM

ICE Shared Construction Analysis SCA 9412-394

Box 1 (Series 4) Micron Semiconductor MT5C64K16A1DJ

Box 1 (Series 4) 64K x 16 SRAM

ICE Shared Construction Analysis SCA 9504-401

Box 1 (Series 4) Xicor X28C010J-20

Box 1 (Series 4) 128K x 8 Bit EEPROM

ICE Shared Construction Analysis SCA 9504-403

Box 1 (Series 4) Actel A1440

Box 1 (Series 4) FPGA

ICE Shared Construction Analysis SCA 9504-407

Box 1 (Series 4) ISSI IS27HC010

Box 1 (Series 4) 1Mbit UVEEPROM

ICE Shared Construction Analysis SCA 9504-408

Box 1 (Series 4) Atmel AT27C010-45DC
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ICE Shared Construction Analysis SCA 9612-519
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Box 1 (Series 4) 1K EEPROM

ICE Shared Construction Analysis SCA 9612-521
Box 1 (Series 4) Xicor X25020P
Box 1 (Series 4) 2K EEPROM

ICE Shared Construction Analysis SCA 9612-522
Box 1 (Series 4) Lattice ispLSI1032E CPLD

ICE Shared Construction Analysis SCA 9612-523
Box 1 (Series 4) Sony CXK5B16120J-12
Box 1 (Series 4) 1Mbit (64K x 16) BiCMOS SRAM

ICE Shared Construction Analysis SCA 9702-524
Box 1 (Series 4) Toshiba TC5165165AFT-50
Box 1 (Series 4) 64 Mbit DRAM

ICE Shared Construction Analysis SCA 9702-525
Box 1 (Series 4) Dallas Semiconductor DS80C320
Box 1 (Series 4) Microcontroller

ICE Shared Construction Analysis SCA 9702-526
Box 1 (Series 4) AMD MACH5 512
Box 1 (Series 4) Complex Programmable Logic Device

ICE Shared Construction Analysis SCA 9702-527
Box 1 (Series 4) AMD MACH5-256
<table>
<thead>
<tr>
<th>Box 1 (Series 4)</th>
<th>Programmable Logic Device</th>
</tr>
</thead>
<tbody>
<tr>
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<td>ICE Shared Construction Analysis SCA 9702-528</td>
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<table>
<thead>
<tr>
<th>Box 1 (Series 4)</th>
<th>Fujitsu MB81G8322-010</th>
</tr>
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<tr>
<td>Box 1 (Series 4)</td>
<td>8Meg. SGRAM</td>
</tr>
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<tr>
<th>Box 1 (Series 4)</th>
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<td>8Mbit SGRAM</td>
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<th>Box 1 (Series 4)</th>
<th>Samsung KM4132G271Q-10</th>
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<th>Mosel Vitelic MS622656CLL-70PC</th>
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<tr>
<td>Box 1 (Series 4)</td>
<td>256Kbit SRAM</td>
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<th>Toshiba TC86R10000-200</th>
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<tr>
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<td>64-Bit Microprocessor</td>
</tr>
<tr>
<td></td>
<td>ICE Shared Construction Analysis SCA 9703-533</td>
</tr>
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</table>

| Box 1 (Series 4) | Winbond W2E512, W27E257 |
Box 1 (Series 4)  EEPROM
ICE Shared Construction Analysis SCA 9703-534

Box 1 (Series 4)  NEC D23C3200A

Box 1 (Series 4)  32Mb MROM
ICE Shared Construction Analysis SCA 9704-535

Box 1 (Series 4)  DEC SA-110S

Box 1 (Series 4)  StrongARM 32-Bit Microprocessor
ICE Shared Construction Analysis SCA 9704-536

Box 1 (Series 4)  Lattice GAL22LV10D-4LJ

Box 1 (Series 4)  EEPLD
ICE Shared Construction Analysis SCA 9704-537

Box 1 (Series 4)  Analog Devices ADSP-21062-KS-160
ICE Shared Construction Analysis SCA 9705-538

Box 1 (Series 4)  Lattice 3256A-90LM

Box 1 (Series 4)  PLD
ICE Shared Construction Analysis SCA 9705-539

Box 1 (Series 4)  Micron Semiconductor MT4LC16M4H9

Box 1 (Series 4)  64Mbit DRAM
ICE Shared Construction Analysis SCA 9706-540

Box 1 (Series 4)  Intel 200MHz Pentium

Box 1 (Series 4)  Processor W/MMX
ICE Shared Construction Analysis SCA 9706-541
Box 1 (Series 4)  Advanced Micro Devices 200MHz K6
Box 1 (Series 4)  Microprocessor
ICE Shared Construction Analysis SCA 9706-542
Box 1 (Series 4)  Intel 266MHz 32-Bit Pentium II
Box 1 (Series 4)  (Klamath) Processor
ICE Shared Construction Analysis SCA 9706-543
Box 1 (Series 4)  Atmel AT89C2051 & AT89S8252
Box 1 (Series 4)  Microcontrollers
ICE Shared Construction Analysis SCA 9706-544
Box 1 (Series 4)  Xilinx XC4036EX
Box 1 (Series 4)  FPGA
ICE Shared Construction Analysis SCA 9707-545
Box 1 (Series 4)  Oki M5117805A-60J
Box 1 (Series 4)  16Mbit DRAM (EDO)
ICE Shared Construction Analysis SCA 9707-546
Box 1 (Series 4)  Rockwell 11577-11
Box 1 (Series 4)  Digital Correlator
ICE Shared Construction Analysis SCA 9707-547
Box 1 (Series 4)  NKK NR4645LQF-133
Box 1 (Series 4)  64-bit RISC Processor
ICE Shared Construction Analysis SCA 9708-548
Box 1 (Series 4)  Sharp LH28F032SUTD-70

Box 1 (Series 4)  32Mbit Flash EEPROM

ICE Shared Construction Analysis SCA 9708-549

Box 1 (Series 4)  VTC VM365830VSJ

Box 1 (Series 4)  Pre-Amp

ICE Shared Construction Analysis SCA 9702-550

Box 1 (Series 4)  Toshiba TC58A040F

Box 1 (Series 4)  4Mbit NAND EEPROM

ICE Shared Construction Analysis SCA 9709-551

Box 1 (Series 4)  Motorola PC603

Box 1 (Series 4)  Microprocessor

ICE Shared Construction Analysis SCA 9709-552

Box 1 (Series 4)  Rockwell R6732-13

Box 1 (Series 4)  RF to IF Down Converter

ICE Shared Construction Analysis SCA 9709-553

Box 1 (Series 4)  Xilinx XC4036XL-1C

Box 1 (Series 4)  FPGA

ICE Shared Construction Analysis SCA 9709-554

Box 1 (Series 4)  AMD/Vantis MACHL V466-10

Box 1 (Series 4)  EEPLA

ICE Shared Construction Analysis SCA 9710-556

Box 1 (Series 4)  Silicon Systems 32R220R
<table>
<thead>
<tr>
<th>Box 1 (Series 4)</th>
<th>Read/Write Device</th>
</tr>
</thead>
<tbody>
<tr>
<td>ICE Shared Construction Analysis SCA 9710-557</td>
<td></td>
</tr>
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<table>
<thead>
<tr>
<th>Box 1 (Series 4)</th>
<th>Qlogic ISP1040B</th>
</tr>
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<tr>
<td>ICE Shared Construction Analysis SCA 9710-558</td>
<td></td>
</tr>
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<table>
<thead>
<tr>
<th>Box 1 (Series 4)</th>
<th>SCSI I/O Processor</th>
</tr>
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<tbody>
<tr>
<td>ICE Shared Construction Analysis SCA 9710-558</td>
<td></td>
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<table>
<thead>
<tr>
<th>Box 1 (Series 4)</th>
<th>PLX TEchnology PCI 9080</th>
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<tbody>
<tr>
<td>ICE Shared Construction Analysis SCA 9710-559</td>
<td></td>
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<table>
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<tr>
<th>Box 1 (Series 4)</th>
<th>I/O Accelerator</th>
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<tr>
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<td></td>
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<thead>
<tr>
<th>Box 1 (Series 4)</th>
<th>SGS-Thomson M28C64-121</th>
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<td>ICE Shared Construction Analysis SCA 9710-560</td>
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<th>Box 1 (Series 4)</th>
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<th>Box 1 (Series 4)</th>
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<th>FPGA</th>
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<th>Motorola MC68360EM25VC</th>
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<th>Box 1 (Series 4)</th>
<th>Communication Controller</th>
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<table>
<thead>
<tr>
<th>Box 1 (Series 4)</th>
<th>IBM/Motorola MPC750</th>
</tr>
</thead>
</table>

Page 24 of 318
Box 1 (Series 4)  RISC Microprocessor
ICE Shared Construction Analysis SCA 9711-567

Box 1 (Series 4)  NEC 79VR5000

Box 1 (Series 4)  RISC Microprocessor
ICE Shared Construction Analysis SCA 9712-565

Box 1 (Series 4)  Hitachi 5165805A

Box 1 (Series 4)  64Mbit (8Mb x 8) Dynamic RAM
ICE Shared Construction Analysis SCA 9712-566

Box 1 (Series 4)  Mitsubishi M5M465405AJ

Box 1 (Series 4)  64Mbit DRAM (16M x 4 bit)
ICE Shared Construction Analysis SCA 9712-568

Box 1 (Series 4)  Xilinx XC9536

Box 1 (Series 4)  CPLD
ICE Shared Construction Analysis SCA 9712-569

Box 1 (Series 4)  Altera EPM7128SQC160-15

Box 1 (Series 4)  EPLD
ICE Shared Construction Analysis SCA 9712-570

Box 1 (Series 4)  National Semiconductor LM2672

Box 1 (Series 4)  Simple Switcher® Voltage Regulator
ICE Shared Construction Analysis SCA 9712-571

Box 1 (Series 4)  Melexis ELEX 16201C

Box 1 (Series 4)  Device
ICE Shared Construction Analysis SCA 9712-572
Box 1 (Series 4)   Macronix 27C8100PC-10
Box 1 (Series 4)   8Mbit NAND EPROM

ICE Shared Construction Analysis SCA 9712-573
Box 1 (Series 4)   Lattice ispLSI2032-180L
Box 1 (Series 4)   CPLD

ICE Shared Construction Analysis SCA 9712-575
Box 1 (Series 4)   Analog Devices ADSP-21062-KS-160
Box 1 (Series 4)   SHARC Digital Signal Processor

ICE Shared Construction Analysis SCA 9712-574
Box 1 (Series 4)   Linear Technology LTC1148CS-3.3
Box 1 (Series 4)   Switching Regulator

Subscription Construction Analysis
Box 1 (Series 4)   SUB 9408-05: report is part of the 1994 series, issued August 1994 and is the 5th report (of six issued).
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Box 4 (Series 5)  
Silicon Wafer Process Technology, Volume 1, Second Edition  
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Box 4 (Series 5)  
MOS Silicon Wafer Processing, Volume 2, Second Edition  
Contents: published report

Box 4 (11), 1978

Box 4 (Series 5)  
Bipolar Silicon Wafer Processing, Volume 3, Second Edition  
Contents: published report

Return to Table of Contents
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VLSI Manufacturing Facilities Guidelines, 1983, Volume 1  
Contents: SAME; published report by ICE

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VLSI Manufacturing Facilities Guidelines, 1983, Volume 2  
Contents: SAME; published report by ICE

Return to Table of Contents
Series 7: Packaging, 1982
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Box 1 (Series 7)  Electronic Packaging Strategies for the 80's, Volume 1: Summary for Executives
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Contents: published report by ICE

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Contents: published report by ICE

Box 1 (Series 7)  Electronic Packaging Strategies for the 80's, Volume 6: Quality Assurance Reliability and Testing
Contents: published report by ICE

Box 2 (Series 7)  Methods and procedures of Integrated Circuit Packaging, March 1970

Return to Table of Contents
Series 8: Company Profiles, 1991-1995

This series contains single publications related to specific companies in the design, development, and fabrication of integrated circuits. Each company's profile covers sales history, overviews and strategies, key management personnel, products and process capabilities, IC facility information, and key present and proposed strategic agreements.

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Return to Table of Contents

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Box 1 (Series 9), Folder 1 1980-1989 ICECAP Index
Box 1 (Series 9), Folder 2 1980 Issue 0-1: The Japanese Threat, Part I
Box 1 (Series 9), Folder 3 1980 Issue 0-2: The Industry Leaders Speak
Box 1 (Series 9), Folder 4 1980 Issue 0-3: IC Pricing
Box 1 (Series 9), Folder 5 Image(s)
Box 1 (Series 9), Folder 6 1980 Issue 0-4: Growth in a Failing Economy
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Box 1 (Series 9), Folder 10 1980 Issue 0-8: GaAs IC Symposium
Box 1 (Series 9), Folder 11 1980 Issue 0-9: Editorial: Joint Research vs. Anti-Trust
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Box 1 (Series 9), Folder 13 1981 Issue 1-2: Hewlett-Packard Showpiece
Box 1 (Series 9), Folder 14 1981 Issue 1-3: IBM Packaging Approach
Box 1 (Series 9), Folder 15 1981 Issue 1-4: 64K Dram Tam
Box 1 (Series 9), Folder 16 1981 Issue 1-5: Integrated Circuits Circa 1985
Box 1 (Series 9), Folder 16 1981 Issue 1-6: Bonus Issue

Box 1 (Series 9), Folder 17 1981 Issue 1-7: Lithography: Part 1

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Box 1 (Series 9), Folder 20 1981 Issue 1-10: China: The Door Opens

Box 1 (Series 9), Folder 21 1981 Issue 1-11: Silver Supply


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Box 2 (Series 9), Folder 2 1982 Issue 2-2: Non-volatile Semiconductor Memory: Part One

Box 2 (Series 9), Folder 3 1982 Issue 2-3: 64K Dram Electrical Characterization

Box 2 (Series 9), Folder 4 1982 Issue 2-4: Non-volatile Semiconductor Memory: Part Two

Box 2 (Series 9), Folder 5 1982 Issue 2-5: Motorola 256K Dram Product Review

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Box 2 (Series 9), Folder 8 1982 Issue 2-8: The IBM-Intel 64K Connection

Box 2 (Series 9), Folder 9 1982 Issue 2-9: Low Cost is my Name - Yield is my Game
Box 3 (Series 9), Folder 3 1985 Issue 5-3: Semiconductor Facility Site Selection Guidelines

Box 3 (Series 9), Folder 4 1985 Issue 5-4: Silicon Compilers - At the Starting Line

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Box 3 (Series 9), Folder 7 1985 Issue 5-6: Japanese Electronic Conglomerates

Box 3 (Series 9), Folder 8 1985 Issue 5-7: A Comparison of Silicon-on-Insulator Technologies

Box 3 (Series 9), Folder 9 1985 Issue 5-8: 1985 CICC: Part Two

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Box 3 (Series 9), Folder 12 ICEbreaker Report, November, 1985: Risky Business

Box 3 (Series 9), Folder 13 1985 Issue 5-10: Adopting New Competitive Strategies

Box 3 (Series 9), Folder 14 1985 Issue 5-11: Japanese IC Producers: Tightening the Belt

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Box 3 (Series 9), Folder 16 ICEbreaker Report, 4th Quarter 1985: Key Points for 4Q85

Box 3 (Series 9), Folder 17 1986 Issue 6-1: ASIC Miscellany

Box 3 (Series 9), Folder 18 1986 Issue 6-2: Reliability and GaAs Symposium Highlights
Box 3 (Series 9), Folder 35
1987 Issue 7-4: Distribution Blues

Box 3 (Series 9), Folder 36
1987 Issue 7-5: Paper Lion Recovery?

Box 3 (Series 9), Folder 37
1987 Issue 7-6: ASIC Manufacturing - A New Frontier

Box 3 (Series 9), Folder 38
ICEbreaker Report, 1st Quarter, 1987: Key Points for 1Q87

Box 3 (Series 9), Folder 39
1987 Issue 7-7: Research Cooperatives: The European Experience

Box 3 (Series 9), Folder 40
ICEbreaker Report, 2nd Quarter, 1987: Key Points for 2Q87

Box 3 (Series 9), Folder 41
1987 Issue 7-8: VLSI Packaging Trends

Box 3 (Series 9), Folder 42
1987 Issue 7-9: A Review of the Traditional IC Foundry

Box 3 (Series 9), Folder 43
1987 Issue 7-10: New Dynamic RAM Realities

Box 3 (Series 9), Folder 44
ICEbreaker Report, 3rd Quarter 1987: Key Points for 3Q87

Box 3 (Series 9), Folder 45
1987 Issue 7-11: The Billion Dollar Club

Box 3 (Series 9), Folder 46
1987 Issue 7-12: The U.S. - Japan Trade Agreement: 1 2 Years Later

Box 4 (Series 9), Folder 1
1988 Issue 8-1: Faster than a Speeding Bullet (and CMOS, Too)

Box 4 (Series 9), Folder 2

Box 4 (Series 9), Folder 3
1988 Issue 8-3: "Production Sharing" - An Imperative IC Industry Transition

Box 4 (Series 9), Folder 4
ICEbreaker Report, 1st Quarter, 1988: Key Points for 1Q88
5

Box 4 (Series 9), Folder 1988 Issue 8-5: DRAM Dramatics
6

Box 4 (Series 9), Folder 1988 Issue 8-6: GaAs Continues its Struggle
7

Box 4 (Series 9), Folder ICEbreaker Report, 2nd Quarter 1988: Key Points for 2Q88
8

Box 4 (Series 9), Folder 1988 Issue 8-7: ASICs from Asia
9

Box 4 (Series 9), Folder 1988 Issue 8-8: High Speed SRAMs - High Speed Market
10

Box 4 (Series 9), Folder 1988 Issue 8-9: PLDs Come of Age
11

Box 4 (Series 9), Folder ICEbreaker Report, 3rd Quarter, 1988: Key Points for 3Q88
12

Box 4 (Series 9), Folder 1988 Issue 8-10: Hot Products Realize Enormous Profits - For a Select Few
13

Box 4 (Series 9), Folder 1988 Issue 8-11: Five-Year DRAM Pricing Forecast
14

Box 4 (Series 9), Folder 1988 Issue 8-12: Chips and PCs
15

Box 4 (Series 9), Folder ICEbreaker Report, 4th Quarter, 1988: Key Points for 4Q88
16

Box 4 (Series 9), Folder 1989 Issue 9-1: The Korean Miracle: Fire in the East
17

Box 4 (Series 9), Folder 1989 Issue 9-2: HDTV: The Next PC?
18

Box 4 (Series 9), Folder 1989 Issue 9-3: 1989 ISSCC Conference Review
19

Box 4 (Series 9), Folder ICEbreaker Report, 1st Quarter, 1989: Key Points for 1Q89
20
Box 4 (Series 9), Folder 21 1989 Issue 9-4: Mixed-Mode Ics - An Overview
Box 4 (Series 9), Folder 22 1989 Issue 9-5: 1989 Custom Integrated Circuit Conference (CICC) Review
Box 4 (Series 9), Folder 23 1989 Issue 9-6: Quick-Turn Fabrication Equipment
Box 4 (Series 9), Folder 24 ICEbreaker Report, 2nd Quarter, 1989: Ky Points for 2Q89
Box 4 (Series 9), Folder 25 1989 Issue 9-7: The New Taiwan (Part 2)
Box 4 (Series 9), Folder 26 1989 Issue 9-2: Meeting the Challenges of TAB
Box 4 (Series 9), Folder 27 1989 Issue 9-9: U.S. Military IC Market
Box 4 (Series 9), Folder 28 ICEbreaker Report, 3rd Quarter, 1989: Key Points for 3Q89
Box 4 (Series 9), Folder 29 1989 Issue 9-10: 1989 Bi-polar Circuits and Technology Meeting (BCTM) Review
Box 4 (Series 9), Folder 30 1989 Issue 9-11: Young Lions
Box 4 (Series 9), Folder 31 1989 Issue 9-12: IC Fab Expansion into other Countries
Box 4 (Series 9), Folder 32 ICEbreaker Report, 4th Quarter, 1989: Key Points for 4Q89
Box 4 (Series 9), Folder 33 Report, March 1990, 1M DRAM Prices Firm Up
Box 4 (Series 9), Folder 34 1990 Issue 10-1: Europe: The Approaching "Unified" Economic Community
Box 4 (Series 9), Folder 35 1990 Issue 10-2: 1990 International Solid-State Circuits Conference Review
Box 4 (Series 9), Folder 36 1990 Issue 10-3: DSP - Transforming the Electronics Industry
Box 4 (Series 9), Folder  ICEbreaker Report, 1st Quarter, 1990: Key Points for 1Q90
37

Box 4 (Series 9), Folder  1990 Issue 10-4: Fast SRAM Market Review
38

Box 4 (Series 9), Folder  1990 Issue 10-5: 1990 Custom Integrated Circuit Conference (CICC) Review
39

Box 4 (Series 9), Folder  1990 Issue 10-6: Semiconductor Facilities: A First Half 1990 Update
40

Box 4 (Series 9), Folder  ICEbreaker Report, 2nd Quarter 1990: Key Points for 2Q90
41

Box 4 (Series 9), Folder  1990 Issue 10-7: The DRAM Futures Contracts: Problems of Visibility
42

Box 4 (Series 9), Folder  1990 Issue 10-8: ROW Update
43

Box 4 (Series 9), Folder  1990 Issue 10-9: The 1990 IEPS Conference
44

Box 4 (Series 9), Folder  ICEbreaker Report, 3rd Quarter, 1990: Key Points for 3Q90
45

Box 4 (Series 9), Folder  1990 Issue 10-10: Bi-polar Process Trends
46

Box 4 (Series 9), Folder  1990 Issue 10-12: X-Ray Lithography Developments
48

Box 4 (Series 9), Folder  Index
49

Return to Table of Contents

This series contains protocols, arrangements, programs, contracts and investigations which ICE provided the US Government concerning all possibilities regarding very high speed integration, the next generation of military/aerospace microcircuits and the microprocessor status report for the Rome Air Defense Center.

Box 1 (Series 10) 
November 1978
Contents: RADC Product Evaluation Report- PE-114 Tracking Sheet No. 24 DESC Line Pre-Audit Samples; Analog Devices

Box 1 (Series 10) 
June 1979
Contents: RADC Product Evaluation Report- PE 112 DESC Stores Audit M38510/00902BEB; Signetics

Box 1 (Series 10) 
July 1979
Contents: RADC Product Evaluation Report- PE 111 DESC STORES Audit M38510/009004BEB; Motorola

Box 1 (Series 10) 
March 1981
Contents: RADC Product Evaluation Report- PE 110 DESC Stores Audit M38510/10301BHC; Fairchild

Box 1 (Series 10) 
November 1978
Contents: RADC Product Evaluation Report- PE 108 Class B Qualification Samples MC 14013; Motorola

Box 1 (Series 10) 
June 1978
Contents: RADC Product Evaluation Report- PE 103 DESC Line Audit Samples M1 7641-5 (.../208); Harris Semiconductor

Box 1 (Series 10) 
June 1979

Box 1 (Series 10) 
September 1978
Contents: RADC Product Evaluation Report- PE 101 DESC Stores Audit M38510/10102BIC; Fairchild

Box 1 (Series 10) 
May 1979
Contents: RADC Product Evaluation Report- PE 142 Tracking Sheet No. 45 QPL Part I Qualification Samples JM38510/05101BCC; Motorola

Box 1 (Series 10) 
August 1979
Contents: RADC Product Evaluation Report- PE 141 Tracking Sheet No. 44 Line Certification Sample Devices 16K Dynamic RAM; Mostek

Box 1 (Series 10) 
March 1981
Box 1 (Series 10) April 1981
Contents: RADC Product Evaluation Report- PE 139 DESC Stores Audit
M38510/02203BCB; Signetics

Box 1 (Series 10) March 1979
Contents: RADC Product Evaluation Report- PE 136 DESC Stores Audit
JM38510/01101BC; Signetics

Box 1 (Series 10) April 1981
Contents: RADC Product Evaluation Report- PE 133 Tracking Sheet No's 40, 41, 42 Evaluation of Sealing Glass XS-1175; 24 lead DIP, Type "J"; 16 lead DIP, Type "E"; 14 lead flatpack, Type "D"; Motorola

Box 1 (Series 10) May 1979
Contents: RADC Product Evaluation Report PE 130 Tracking Sheets Nos. 37, 38, 39 Evaluation of Sealing Glass XS-1175; 14 lead flatpack-Type A; 16 lead flatpack-Type F; 24 lead flatpack-Type K; Motorola

Box 1 (Series 10) March 1979

Box 1 (Series 10) March 1979
Contents: RADC Product Evaluation Report- PE 127 Tracking Sheet No. 34 Line Certification Sample Evaluation 741T; Precision Monolithics, Inc.

Box 1 (Series 10) March 1979
Contents: RADC Product Evaluation Report- PE 126 Tracking Sheet No. 33 Evaluation of Sealing Glass XS-1175; 16 lead dual-in-line Package; Motorola

Box 1 (Series 10) June 1979
Contents: RADC Product Evaluation Report- PE 115 Tracking Sheet No. 27 Production Line Certification Samples 8080A; National Semiconductor Co.

Box 1 (Series 10) June 1979
Contents: RADC Product Evaluation Report- PE 100 DESC Stores Audit
M38510/00804BCB; ITT

Box 1 (Series 10) June 1979
Contents: RADC Product Evaluation Report- PE 99 DESC Stores Audit
M38510/00601BCB; ITT

Box 1 (Series 10) June 1979
Contents: RADC Product Evaluation Report- 97 DESC Stores Audit
M38510/00401BCB; ITT
Box 1 (Series 10)  
June 1979  
Contents: RADC Product Evaluation Report- 96 DESC Stores Audit MIL-M-38510/04001BCB; Signetics

Box 1 (Series 10)  
June 1978  

Box 1 (Series 10)  
June 1978  
Contents: RADC Product Evaluation Report- PE 94 DESC Line Audit Samples Class B 4K Schottky PROM's; Harris Semiconductor

Box 1 (Series 10)  
June 1978  
Contents: RADC Product Evaluation Report- PE 93 Line Certification Samples 7611 (…/203); Harris Semiconductor

Box 1 (Series 10)  
June 1979  
Contents: RADC Product Evaluation Report- PE 91 DESC Stores Audit JM38510/00105BCB; Motorola

Box 1 (Series 10)  
September 1978  
Contents: RADC Product Evaluation Report-PE 90 DESC Stores Audit JM38510/05202BCA; RCA

Box 1 (Series 10)  
November 1978  
Contents: RADC Product Evaluation Report- PE 89 DESC Stores Audit LM38510/05003BCA; RCA

Box 1 (Series 10)  
April 1978  
Contents: RADC Product Evaluation Report-PE 86 DESC Pre-audit Evaluation Precision Monolithics 741 Devices;

Box 1 (Series 10)  
February 1981  
Contents: RADC Product Evaluation Report- PE 85 MIL-M-38510 Detailed Specification Sample Devices; DAC-08; PMI

Box 1 (Series 10)  
February 1981  

Box 1 (Series 10)  
February 1981  
Contents: RADC Product Evaluation Report- PE 83 MIL-M-38510 Detailed Specification Sample Devices DAC-08; Datel

Box 1 (Series 10)  
February 1981  
Box 1 (Series 10)  
February 1981  
Contents: RADC Product Evaluation Report- 81 MIL-M-38520 Detailed Specification Sample Devices DAC-08(NE 5009F); Signetics

Box 1 (Series 10)  
September 1980  
Contents: RADC Product Evaluation Report- PE 185 Tracking Sheet No. 78 Package and Device Assembly Qualification DM5410J; National Semiconductor Co.

Box 1 (Series 10)  
June 1978  
Contents: RADC Product Evaluation Report- PE 73 Line Certification Samples Analog Switch; Siliconix

Box 1 (Series 10)  
May 1978  
Contents: RADC Product Evaluation Report- PE 72 Pre-audit Evaluation PM 108 Devices; Precision Monolithics

Box 1 (Series 10)  
April 1978  
Contents: RADC Product Evaluation Report- PE 69 Part Qualification Samples 7812(…/10707); Fairchild

Box 1 (Series 10)  
February 1978  
Contents: RADC Product Evaluation Report- PE 68 Device Quality Determination of JANSMH54L93F1; Texas Instruments

Box 1 (Series 10)  
February 1978  
Contents: RADC Product Evaluation Report- PE 67 Pre-audit evaluation of CMOS Circuits; Motorola, Inc.

Box 1 (Series 10)  
February 1978  

Box 1 (Series 10)  
April 1979  
Contents: RADC Product Evaluation Report- PE 64 Quad Voltage Comparator LM139; Signetics

Box 1 (Series 10)  
April 1979  
Contents: RADC Product Evaluation Report- PE 63 Quad Voltage Comparator uA139ADMQB; Fairchild

Box 1 (Series 10)  
April 1979  
Contents: RADC Product Evaluation Report PE 60 Quad Voltage Comparator SG139J; Silicon General

Box 1 (Series 10) April 1979
Contents: RADC Product Evaluation Report PE 59 Quad Voltage Comparator LM139J; Texas Instruments

Box 1 (Series 10) April 1979
Contents: RADC Product Evaluation Report PE 58 Quad Voltage Comparator IM139; National Semiconductor

Box 1 (Series 10) April 1979
Contents: RADC Product Evaluation Report PE 57 Quad Voltage Comparator LM139D; AMD

Box 1 (Series 10) April 1979

Box 1 (Series 10) April 1978
Contents: RADC Product Evaluation Report- PE 55 DESC Stores Audit JM38510/10101BGB; Fairchild

Box 1 (Series 10) April 1978
Contents: RADC Product Evaluation Report- PE 54 DESC Stores Audit of JM38510/101BCB; Fairchild

Box 1 (Series 10) April 1978
Contents: RADC Product Evaluation Report- PE 53 DESC Store Audit M38510/00502BDB; National

Box 1 (Series 10) January 1978
Contents: RADC Product Evaluation Report- PE 52 DESC Stores Audit JM38510/00502BCB; Signetics

Box 1 (Series 10) March 1978
Contents: RADC Product Evaluation Report- PE 51 DESC Stores Audit JM38510/00502BAB; ITT

Box 1 (Series 10) February 1978
Contents: RADC Product Evaluation Report- PE 50 DESC Stores Audit JM38510/00303BCB; Motorola

Box 1 (Series 10) May 1977
Contents: RADC Product Evaluation Report-PE 44 Pre-audit Evaluation of Memory Devices (2K, 4K RAMS); Monolithic Memories, Inc.

Box 1 (Series 10) May 1977

Box 1 (Series 10) May 1977

Box 1 (Series 10) RADC Product Evaluation Report- PE 36 DESC Stores Audit JM38510/02304BDB; Signetics

Box 1 (Series 10) January 1978
Contents: RADC Product Evaluation Report- PE 35 DESC Stores Audit JM38510/00202BDB; Signetics

Box 1 (Series 10) Contents: RADC Product Evaluation Report- PE 34 DESC Stores Audit JM38510/00202BAC; Motorola

Box 1 (Series 10) Contents: RADC Product Evaluation Report- PE 23 DESC Stores Audit SNC54H40W; Texas Instruments

Box 1 (Series 10) Contents: RADC Product Evaluation Report- PE 22 DESC Stores Audit JM38510/02304BCB; Signetics

Box 1 (Series 10) Contents: RADC Product Evaluation Report- PE 21 DESC Stores Audit for MIL-M-38510/00101BCB


Box 1 (Series 10) August 1978

Box 1 (Series 10) September 1978

Box 2 (Series 10) RADC Product Evaluation Report PE 143: QPL Part One Sample Devices, M38510/05003BCB; Motorola (May 1979)

Box 2 (Series 10) RADC Product Evaluation Report PE 145: Sealing Glass XS-1175, Type D Package; Motorola (May 1979)

Box 2 (Series 10) RADC Product Evaluation Report PE 147: QPL Part I Qualification Samples, M38510/20301BEB; Harris (May 1979)
<table>
<thead>
<tr>
<th>Box 2 (Series 10)</th>
<th>RADC Product Evaluation Report PE 148: Line Certification Samples, Class S, B CMOS and LS Devices; National Semiconductor Co. (June 1979)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Box 2 (Series 10)</td>
<td>RADC Product Evaluation Report PE 149: Device Qualification Samples, Group D-4, JM38510/05503BEB; Motorola (August 1979)</td>
</tr>
<tr>
<td>Box 2 (Series 10)</td>
<td>RADC Product Evaluation Report PE 153: DESC Stores Audit OM38510/05101BCA; RCA (April 1981)</td>
</tr>
<tr>
<td>Box 2 (Series 10)</td>
<td>RADC Product Evaluation Report PE 154: Production Line Certification Sample Devices, CDP1802; RCA (October 1979)</td>
</tr>
<tr>
<td>Box 2 (Series 10)</td>
<td>RADC Product Evaluation Report PE 155: Line Certification Sample Devices, M38510/50001-06; TRW (December 1979)</td>
</tr>
<tr>
<td>Box 2 (Series 10)</td>
<td>RADC Product Evaluation Report PE 159: Line Certification Sample Devices, DG182, DG184, DG187, DG191; Intersil (October 1979)</td>
</tr>
<tr>
<td>Box 2 (Series 10)</td>
<td>RADC Product Evaluation Report PE 160: Evaluation on Detailed Specification Preparation Samples, M38510/122XX; Harris (February 1980)</td>
</tr>
<tr>
<td>Box 2 (Series 10)</td>
<td>RADC Product Evaluation Report PE 163: QPLI Qualification Devices, MIL-M-38510/20302BEB, /20402BEB; Signetics (December 1979)</td>
</tr>
<tr>
<td>Box 2 (Series 10)</td>
<td>RADC Product Evaluation Report PE 165: Evaluation of a New Type TO-3 Package, JM38510/10707BYC; Fairchild (March 1980)</td>
</tr>
<tr>
<td>Box 2 (Series 10)</td>
<td>RADC Product Evaluation Report PE 166: Preaudit Sample Devices, Z-80 CTC, Z-80 CPU; ZILOG (March 1980)</td>
</tr>
<tr>
<td>Box 2 (Series 10)</td>
<td>RADC Product Evaluation Report PE 167: Evaluation of Sealing Glass KC402, Dual-in-line, glass sealed packages, Type C, Type E; Motorola</td>
</tr>
<tr>
<td>Box 2 (Series 10)</td>
<td>RADC Product Evaluation Report PE 169: QPL Part II, Class S Qualification Sample Devices MIL-M-38510/15201BJB; Signetics (May 1980)</td>
</tr>
<tr>
<td>Box 2 (Series 10)</td>
<td>RADC Product Evaluation Report PE 171: AD7520UD; Analog Devices (Limerick, Ireland) (February 1980)</td>
</tr>
<tr>
<td>Box 2 (Series 10)</td>
<td>RADC Product Evaluation Report PE 172: Glass Sealed Package Qualification Samples Type C - Solid State Scientific (October 1980)</td>
</tr>
</tbody>
</table>
Box 2 (Series 10)  RADC Product Evaluation Report PE Class S Qualification Sample Devices JM38510/20301 BEB; Signetics (April 1980)

Box 2 (Series 10)  RADC Product Evaluation Report PE 176: QPL Part I Qualification Sample Devices JM38510/11107BEC(DG190A); Siliconox (April 1980)

Box 2 (Series 10)  RADC Product Evaluation Report PE 178: Package and Die Attach Evaluation D package, case outline F-2; Signetics (April 1980)

Box 2 (Series 10)  RADC Product Evaluation Report PE 179: QPL Part I Qualification Sample Devices MIL-M-38510/11101BIC; Siliconix (May 1980)

Box 2 (Series 10)  RADC Product Evaluation Report PE 180: Package Lead Finish Types E, C, P; Raytheon (October 1980)

Box 2 (Series 10)  RADC Product Evaluation Report PE 181: Type E, Large Cavity Packages .../01306BEB; Motorola (March 1980)

Box 2 (Series 10)  RADC Product Evaluation Report PE 182: Device Assembly and Package Qualification Samples LM108A; Fairchild (May 1980)

Box 2 (Series 10)  RADC Product Evaluation Report PE 183: Qualification of the Devices Used for Preparation of Detailed Specifications 7520 UD; Analog Devices, Ireland (February 1981)

Box 2 (Series 10)  RADC Product Evaluation Report PE 184: QPL Part I, Qualification Devices JM38510/20402BFC; Monolithic Memories, Inc. (May 1980)

Box 2 (Series 10)  RADC Product Evaluation Report PE 186: Production Line Audit Samples at Class S Level CD4075BF DM54LS00J/883B; National Semiconductor Co. (May 1980)


Box 2 (Series 10)  RADC Product Evaluation Report PE 189: QPL Part I Sample Devices Unmarked (.../11107BEC); Intersil (August 1980)

Box 2 (Series 10)  RADC Product Evaluation Report PE 190B: Package Seal Evaluation Type C, Type E; National Semiconductor Co. (October 1980)

Box 2 (Series 10)  RADC Product Evaluation Report PE 191: Package Qualification Samples CMOS, Type C Packages; Motorola (September 1980)

Box 2 (Series 10)  RADC Product Evaluation Report PE 192: Package Qualification Samples Type C, Type E; National Semiconductor Co. (November 1980)
Box 2 (Series 10)  
**RADC Product Evaluation Report PE 194:** Class S Level Line Audit Samples, CMOS; National Semiconductor Co. (November 1980)

Box 2 (Series 10)  
**RADC Product Evaluation Report PE 195:** Package Seal Quality of DESC Stores Devices, CMOS; National Semiconductor Co. (August 1980)

Box 2 (Series 10)  
**RADC Product Evaluation Report PE 198:** Package Seal and Device Assembly Qualification .../30203BDB; National Semiconductor Co. (November 1980)

Box 2 (Series 10)  
**RADC Product Evaluation Report PE 200:** Package Seal, Die Attach Sample Devices, DAC 08; Precision Monolithic, Inc. (November 1980)

Box 2 (Series 10)  
**RADC Product Evaluation Report PE 201:** Class S - QPL Qualification Samples, CD4081; RCA (January 1981)

Box 2 (Series 10)  
**RADC Product Evaluation Report PE 203:** Quality of the Lead Finish, 64 Lead Packages; TRW (November 1980)

Box 2 (Series 10)  
**RADC Product Evaluation Report PE 205:** Quality of Packages with Solder Dip Lead Finish, Type C, Type E; National Semiconductor Corp. (November 1980)

Box 2 (Series 10)  
**RADC Product Evaluation Report PE 206:** Quality of the Device Assembly Operations, .../10102BIC, .../10107BGC; National Semiconductor Corp. (January 1981)

Box 2 (Series 10)  
**RADC Product Evaluation Report PE 207:** QPL Qualification Devices, JM38510/1014BHC; National Semiconductor Corp. (January 1981)

Box 2 (Series 10)  
**RADC Product Evaluation Report PE 208:** Evaluation of the Wire Bonding Processes, CMOS Devices; RCA (November 1980)

Box 2 (Series 10)  
**RADC Product Evaluation Report PE 209:** Evaluation of the Quality of Glass Sealed Packages with Hot Solder Dip Lead Finish, .../05003BCA, .../05101BCA, .../05202BCA; National Semiconductor Corp. (December 1980)

Box 2 (Series 10)  
**RADC Product Evaluation Report PE 210:** Quality of Package Seals, Types F-4, D-2, D-4; Fairchild Semiconductor (February 1981)

Box 2 (Series 10)  
**RADC Product Evaluation Report B PE 211:** Package Seal Quality, KC-402, Type C, Type E; Motorola (January 1981)

Box 2 (Series 10)  
**RADC Product Evaluation Report B PE 212:** Package and Device Assembly Qualification, .../05202BCB, .../05504BEB; Motorola (December 1980)
Box 2 (Series 10)  
RADC Product Evaluation Report on the Am 2918 Quad D Register  
Manufactured by Advanced Micro Devices, Inc. (August 1977)

Box 2 (Series 10)  

Box 2 (Series 10)  

*Return to Table of Contents*
### Series 11: Artwork, undated

<table>
<thead>
<tr>
<th>Box 1 (Series 11), Folder 1</th>
<th>PMT's #200 - 1349</th>
</tr>
</thead>
<tbody>
<tr>
<td>Box 1 (Series 11), Folder 2</td>
<td>PMT's #1350 - 1749</td>
</tr>
<tr>
<td>Box 1 (Series 11), Folder 3</td>
<td>PMT's #1750 - 2199</td>
</tr>
<tr>
<td>Box 1 (Series 11), Folder 4</td>
<td>PMT's #2200 - 2699</td>
</tr>
<tr>
<td>Box 2 (Series 11), Folder 1</td>
<td>PMT's #2700 - 3399</td>
</tr>
<tr>
<td>Box 2 (Series 11), Folder 2</td>
<td>PMT's #3400 - 3899</td>
</tr>
<tr>
<td>Box 2 (Series 11), Folder 3</td>
<td>PMT's #3900 - 4349</td>
</tr>
<tr>
<td>Box 2 (Series 11), Folder 4</td>
<td>PMT's #4350 - 4949</td>
</tr>
<tr>
<td>Box 3 (Series 11), Folder 1</td>
<td>PMT's #4950 - 5399</td>
</tr>
<tr>
<td>Box 3 (Series 11), Folder 2</td>
<td>PMT's #5400 - 5949</td>
</tr>
<tr>
<td>Box 3 (Series 11), Folder 3</td>
<td>PMT's #5950 - 6999</td>
</tr>
<tr>
<td>Box 3 (Series 11), Folder 4</td>
<td>PMT's #7000 - 7399</td>
</tr>
<tr>
<td>Box 4 (Series 11), Folder 1</td>
<td>PMT's #7400 - 7699</td>
</tr>
<tr>
<td>Box 4 (Series 11), Folder 2</td>
<td>PMT's #7700 - 8149</td>
</tr>
<tr>
<td>Box 4 (Series 11), Folder 3</td>
<td>PMT's #8150 - 8499</td>
</tr>
<tr>
<td>Box 4 (Series 11), Folder 4</td>
<td>PMT's # 8500 - 8949</td>
</tr>
<tr>
<td>---------------------------</td>
<td>---------------------</td>
</tr>
<tr>
<td>Box 5 (Series 11), Folder 1</td>
<td>PMT's # 9000 - 9249</td>
</tr>
<tr>
<td>Box 5 (Series 11), Folder 2</td>
<td>PMT's # 9350 - 9649</td>
</tr>
<tr>
<td>Box 5 (Series 11), Folder 3</td>
<td>PMT's # 9650 -- 10049</td>
</tr>
<tr>
<td>Box 5 (Series 11), Folder 4</td>
<td>PMT's #10050 -- 10449</td>
</tr>
<tr>
<td>Box 6 (Series 11), Folder 1</td>
<td>PMT's #10450 -- 10899</td>
</tr>
<tr>
<td>Box 6 (Series 11), Folder 2</td>
<td>PMT's #10900 -- 11299</td>
</tr>
<tr>
<td>Box 6 (Series 11), Folder 3</td>
<td>PMT's #11300 -- 11699</td>
</tr>
<tr>
<td>Box 6 (Series 11), Folder 4</td>
<td>PMT's #11700 -- 12099</td>
</tr>
</tbody>
</table>
Series 12: Trade Catalogs, undated
This series contains information related to the semiconductor evolution, product specification sheets, articles on the different types of production, product line reports from an individual company, press releases from manufacturers, black and white and color photographs, slides, and price listings. These materials relate to Series 15: TASC Government Contracts.

Box 1 (Series 12) 0000 -- 0150
Box 2 (Series 12) 0160 - 0260
   Image(s)
Box 3 (Series 12) 0265 - 0340
Box 4 (Series 12) 0350 - 0414
   Image(s)
Box 5 (Series 12) 0414 - 0500
   Image(s)
Box 6 (Series 12) 0510 - 0517
Box 7 (Series 12) 0520 - 0523
Box 8 (Series 12) 0523 - 0610
Box 9 (Series 12) 0610 - 0625
Box 10 (Series 12) 0630 - 0670
Box 11 (Series 12) 0680 - 0721
Box 12 (Series 12) 0721 - 0740
Box 13 (Series 12) 0740 - 0770
Box 14 (Series 12) 0770 - 0811
Box 15 (Series 12) 0815 - 1020
Box 16 (Series 12) 1030 - 1145
Box 17 (Series 12) 1150 - 1420
Box 18 (series 12) 1421 - 2015
Box 19 (Series 12) 2020 - 2220
  Image(s)

Box 20 (Series 12) 2230 -- 3200

Box 21 (Series 12) 3300 -- 4120

Box 22 (Series 12) 4121 -- 5000

Box 23 (Series 12) 5020 -- 5050

Box 24 (Series 12) 5050 -- 5100

Box 25 (Series 12) 5130

Box 26 (Series 12) 5130 -- 5170

Box 27 (Series 12) 5200

Box 28 (Series ) 5200 -- 5500

Box 29 (Series 12) 5500

Box 30 (Series 12) 5500 -- 5575

Box 31 (Series 12) 5600 -- 6800

Box 32 (Series 12) Technical Articles: 0090 -- 1090
  Image(s)

Box 33 (Series 12) Technical Articles: 1190 -- 4390

Box 34 (Series 12) Miscellaneous Materials unclassified

Return to Table of Contents
Series 13: Hybrid Circuits, undated

Box 1 (Series 13) 1983

Box 1 (Series 13) Contents: Hybrid Microelectronics for the 80'

Box 1 (Series 13) 1989 Contents: Hybrid Circuits- 1990 Industry Overview

Return to Table of Contents
Series 14: ASIC Outlook, 1984-1997

This series contains the professional journal *Application Specific Integrated Circuit(s)*.

Box 1 (Series 14)  1987
Contents: ASIC Outlook 1987- An Application Specific IC Report and Directory

Box 1 (Series 14)  1991

Box 1 (Series 14)  1992
Contents: ASIC Outlook 1993- An Application Specific IC Report and Directory

Box 1 (Series 14)  1993
Contents: ASIC Outlook 1994- An Application Specific IC Report and Directory

Box 2 (Series 14)  1994
Contents: ASIC Outlook 1995- An Application Specific IC Report and Directory

Box 2 (Series 14)  1995
Contents: ASIC Outlook 1996- An Application Specific IC Report and Directory

*Return to Table of Contents*
Series 15: TASC Files (Government Contracts), undated

Protocols, arrangements, programs, contracts and investigations which ICE provided the US Government concerning all possibilities regarding VHSI (very high speed integration), the next generation of military/aerospace microcircuits and the microprocessor status.

Box 1 (Series 15) IC 880001 - IC 880040
Box 2 (Series 15) IC 880041 - IC 880070
Box 3 (series 15) IC 880071 - IC 880100
Box 4 (Series 15) IC 880101 - IC 880150
Box 5 (Series 15) IC 880151 - IC 880200
Box 6 (Series 15) IC 880201 - IC 880240
Box 7 (Series 15) IC 880241 - IC 880260
Box 8 (Series 15) IC 880261 - IC 880300
Box 9 (Series 15) IC 880301 - IC 880350
Box 10 (Series 15) IC 880351 - IC 880400
Box 11 (Series 15) IC 880401 - IC 880460
Box 12 (Series 15) IC 880461 - IC 880500
Box 13 (Series 15) IC 880501 - IC 880540
Box 14 (Series 15) IC 880541 - IC 880600
Box 15 (Series 15) IC 880601 - IC 880650
Box 16 (Series 15) IC 880651 - IC 880700
Box 17 (Series 15) IC 880701 - IC 880750
Box 18 (Series 15) IC 880751 - IC 880800
Box 19 (Series 15) IC 880801 - IC 880860
Box 20 (Series 15) IC 880861 - IC 880900
Box 21 (Series 15) IC 880901 - IC 880950
Box 22 (Series 15) IC 880951 - IC 880999
Box 23 (Series 15) IC 881000 - IC 881050
Box 24 (Series 15) IC 890001 - IC 890050
Box 25 (Series 15) IC 890051 - IC 890090
Box 26 (Series 15) IC 900004 - IC 900059
Box 27 (Series 15) IC 900060 - IC 900130
Box 28 (Series 15) IC 900133 - IC 910030
Box 29 (Series 15) IC 910031 - IC 910070
Box 30 (Series 15) IC 910071 - IC 910100
Box 31 (Series 15) IC 910101 - IC 910120
Box 32 (Series 15) IC 910151 - IC 910200

Return to Table of Contents
Series 16: Project Files, undated

Project Files are arranged into six subseries.

Subseries 16.1: Project Files (arranged by project number). Starting at box 171, the project files are not arranged according to project number. Box 171 is an addenda and the project files are not in sequence.

Subseries 16.1: Project Files (arranged by project number)

Box 1 (Series 16), Folder 5

ICE Project Number 305a

ICE Folder Name: UNITED ARCRAFT P/Q #1011, 1968
Content Summary: Presentation hybrid & solid state

Box 1 (Series 16), Folder 6

ICE Project Number 305b

ICE Folder Name: UNITED AIRCRAFT, 1968
Content Summary: Master-electronic components division of limited aircraft corp.

Box 1 (Series 16), Folder 7

ICE Project Number 306

ICE Folder Name: WALTER C. MCCCRONE ASSOCIATES, INC.
Content Summary: SUHL II device analysis

Box 1 (Series 16), Folder 8

ICE Project Number 307

ICE Folder Name: ENGINEERING/FABRICATION APRIL 22-26

Box 1 (Series 16), Folder 9

ICE Project Number 308

ICE Folder Name: ENGINEERING/FABRICATION PHOENIX MAY 20-24, 1968

Box 1 (Series 16), Folder 10

ICE Project Number 316

ICE Folder Name: COLLINS RADIO COMPANY RICHARDSON, TEXAS, APRIL 2-5, 1968

Box 1 (Series 16), Folder 11

ICE Project Number 317

ICE Folder Name: GENERAL ELECTRIC- SYRACUSE APRIL 22-26, 1968

Box 1 (Series 16), Folder 12

ICE Project Number 322

ICE Folder Name: ERIE TECHNOLOGY PRODUCTS MANAGEMENT SEMINAR MAY 23, 1968

Box 1 (Series 16), Folder 13

ICE Project Number 324
ICE Folder Name: CHINA LAKE SEMINAR MAY 13-17, 1968

Box 1 (Series 16), Folder 14
ICE Project Number 325A
Content Summary: Led dimensions on flat packs & DIP’s, 1967-68

Box 1 (Series 16), Folder 15
ICE Project Number 325B
Content Summary: Package market, especially TO-5 non-hermetic, 1968

Box 1 (Series 16), Folder 16
ICE Project Number 325C
Content Summary: Dual in-line packaging, diagrams, markets, status, 1968

Box 2 (Series 16), Folder 1
ICE Project Number 325D

ICE Folder Name: GTI CORPORATION, 04/18/69
Content Summary: Status of integrated circuit packaging- Fourth Quarterly Report

Box 2 (Series 16), Folder 2
ICE Project Number 325E

ICE Folder Name: GTI, 1969
Content Summary: Packaging activity reports-note: ceramic multilayer

Box 2 (Series 16), Folder 3
ICE Project Number 326

ICE Folder Name: BORG-WARNER CORPORATION
Content Summary: Moisture monitoring device

Box 2 (Series 16), Folder 4
ICE Project Number 330
ICE Folder Name: ENGINEERING/FABRICATION JUNE 17-21, 1968

Box 2 (Series 16), Folder 5
ICE Project Number 334

ICE Folder Name: LSI 1968
Content Summary: Large scale integration

Box 2 (Series 16), Folder 6
ICE Project Number 343
ICE Folder Name: IBM- ESSEX JUNCTION, VERMONT JULY 15-19, 1968

Box 2 (Series 16), Folder 7
Box 2, Folder 7, ICE Project Number 348
ICE Folder Name: EE SEMINAR- MINEAPOLIS, MINN. JULY 10,11,12, 1968

Box 2 (Series 16), Folder 8
Box 2, Folder 8, ICE Project Number 349a
ICE Folder Name: CENTRALAB-1-DAY MANAGEMENT OCTOBER
14th&15th, 1968

Box 2 (Series 16), Folder 9
ICE Project Number 349b

ICE Folder Name: CENTRALAB-1-DAY MANAGEMENT OCTOBER
14th&15th, 1968
Content Summary: Report file-Centerlab's present/future microelectronics operation

Box 2 (Series 16), Folder 10
ICE Project Number 349c

ICE Folder Name: CENTRALAB-1-DAY MANAGEMENT OCTOBER
14th&15th, 1968
Content Summary: Project cost analysis

Box 2 (Series 16), Folder 11
ICE Project Number 353a

ICE Folder Name: Hugh, 1968
Content Summary: Flip chips/equipment

Box 2 (Series 16), Folder 12
ICE Project Number 353b

ICE Folder Name: C.J. LAwernce and Sons, 1968
Content Summary: A program for the semiconductor processing equipment industry

Box 2 (Series 16), Folder 13
Box 2, Folder 13, ICE Project Number 353c

ICE Folder Name: NAvan, 1967
Content Summary: The market for semiconductor processing equip.

Box 2 (Series 16), Folder 14
Box 2, Folder 14, ICE Project Number 353d

ICE Folder Name: amecs, 1969
Content Summary: A group entering the market with ILC concept

Box 2 (Series 16), Folder 15
Box 2, Folder 15, ICE Project Number 353e

ICE Folder Name: semifab
Content Summary: A new concept for the semiconductor industry
Box 2 (Series 16), Folder 16

ICE Folder Name: prospectus
Content Summary: Formation of a company to specialize in the field of MICROWAVE INTEGRATED CIRCUITS

Box 3 (Series 16), Folder 1

Box 3, Folder 1, ICE Project Number 353g
Content Summary: Communications for BEAM LEAD TECHNOLOGY, 1969

Box 3 (Series 16), Folder 2

Box 3, Folder 2, ICE Project Number 354
ICE Folder Name: ENGINEERING/FABRICATION OCTOBER 21-25, 1968

Box 3 (Series 16), Folder 3

Box 3, Folder 3, ICE Project Number 359
ICE Folder Name: 4-WEEK FABRICATION SEMINAR SEPTEMBER 16-OCTOBER 11, 1968

Box 3 (Series 16), Folder 4

Box 3, Folder 4, ICE Project Number 362
ICE Folder Name: OPPENHEIMER & CO. SEPTEMBER 5-6, 1968
Content Summary: Integrated circuit economics

Box 3 (Series 16), Folder 5

Box 3, Folder 5, ICE Project Number 365
ICE Folder Name: ENGINEERING/FABRICATION NOVEMBER 11-15, 1968

Box 3 (Series 16), Folder 6

Box 3, Folder 6, ICE Project Number 366
ICE Folder Name: MANAGEMENT BRIEFING SESSION OCTOBER 17, 1968
Content Summary: The application of integrated circuits

Box 3 (Series 16), Folder 7

Box 3, Folder 7, ICE Project Number 369
ICE Folder Name: IBM- ESSEX JUNCTION, VERMONT OCTOBER 7-11, 1968
Content Summary: Workbook-Integrated circuit technology

Box 3 (Series 16), Folder 8

Box 3, Folder 8, ICE Project Number 370
ICE Folder Name: UNIVERSITY OF NEW YORK OCTOBER 16, 17, AND 18, 1968

Box 3 (Series 16), Folder 9

Box 3, Folder 9, ICE Project Number 372
ICE Folder Name: EMI
Content Summary: Chip consulting

Box 3 (Series 16), Folder 10
Box 3, Folder 10, ICE Project Number 374
ICE Folder Name: LENKURT ELECTRIC COMPANY, INC. OCTOBER 28-31, 1968

Box 3 (Series 16), Folder 11
Box 3, Folder 11, ICE Project Number 375
ICE Folder Name: FIVE ONE-DAY ADVANCED TECHNOLOGY NOVEMBER 18-25, 1968

Box 3 (Series 16), Folder 12
Box 3, Folder 12, ICE Project Number 377
ICE Folder Name: Mcdonald douglas, 1968
Content Summary: Facilities for microelectronics

Box 3 (Series 16), Folder 13
Box 3, Folder 13, ICE Project Number 378
ICE Folder Name: Electronic, 1969
Content Summary: Diffused diaphrams

Box 3 (Series 16), Folder 14
Box 3, Folder 14, ICE Project Number 379
ICE Folder Name: dupont, 1969
Content Summary: Metalization of silicon chips

Box 3 (Series 16), Folder 15
Box 3, Folder 15, ICE Project Number 382
ICE Folder Name: ENGINEERING/FABRICATION DECEMBER 9-13, 1968

Box 3 (Series 16), Folder 16
Box 3, Folder 16, ICE Project Number 386
ICE Folder Name: ENGINEERING/FABRICATION FEBRUARY 10-14, 1969

Box 3 (Series 16), Folder 17
Box 3, Folder 17, ICE Project Number 387
ICE Folder Name: G.E.
Content Summary: Memory studied

Box 3 (Series 16), Folder 18
Box 3, Folder 18, ICE Project Number 388a
ICE Folder Name: UNITED AIRCRAFT MARKETING STUDY P/Q 4014
Content Summary: A study of the semiconductor memory market
Box 3 (Series 16), Folder 19

Box 3, Folder 19, ICE Project Number 388b

ICE Folder Name: UNITED AIRCRAFT MARKETING STUDY P/Q 4014
Content Summary: Integrated circuit points

Box 3 (Series 16), Folder 20

Box 3, Folder 20, ICE Project Number 388c

ICE Folder Name: UNITED AIRCRAFT MARKETING STUDY P/Q 4014
Content Summary: Permanent MOS Memory technique

Box 3 (Series 16), Folder 21

Box 3, Folder 21, ICE Project Number 391a

ICE Folder Name: Lockheed, 1969
Content Summary: A microcircuit report for Lockheed Electronics Company

Box 3 (Series 16), Folder 22

ICE Project Number 391b

ICE Folder Name: Lockheed, 1969
Content Summary: A microcircuit report for Lockheed Electronics Company-Report File: #391-1 A

Box 4 (Series 16), Folder 1

Box 4, Folder 1, ICE Project Number 391c

ICE Folder Name: Lockheed, 1969
Content Summary: Background study in Hybrid and microwave segments

Box 4 (Series 16), Folder 2

Box 4, Folder 2, ICE Project Number 392

ICE Folder Name: shields and company, 1969
Content Summary: Feasibility of the MOS electronics proposal for the VIATRON system 21

Box 4 (Series 16), Folder 3

Box 4, Folder 3, ICE Project Number 393

ICE Folder Name: IBM/ESSEX JUNCTION (2-WEEK FAB. SEM.) DECEMBER 2-13, 1968

Box 4 (Series 16), Folder 4

Box 4, Folder 4, ICE Project Number 394

ICE Folder Name: SCM CORPORATION #1071, 1970
Content Summary: Marchant electronics-evaluation & development of the H.V. MOS and Bipolar devices

Box 4 (Series 16), Folder 5
Box 4, Folder 5, ICE Project Number 396
ICE Folder Name: IBM/ KINGSTON P/Q 1045 CUSTOM CIRCUITS, 1969
Content Summary: Custom circuits- KMER MASK/ SHIPLEYS AEO MASK

Box 4 (Series 16), Folder 6
Box 4, Folder 6, ICE Project Number 397
ICE Folder Name: FAMILIARIZATION SEMINAR/ FORUM
Content Summary: Liton Electron-tube division

Box 4 (Series 16), Folder 7
Box 4, Folder 7, ICE Project Number 399a
ICE Folder Name: GE/PHX. P/Q 1103 PAHSE I-A(FAB SEMINAR), 1969

Box 4 (Series 16), Folder 8
Box 4, Folder 8, ICE Project Number 399b
ICE Folder Name: 4-WEEK FABRICATION SEMINAR JANUARY 27-21, 1969

Box 4 (Series 16), Folder 9
Box 4, Folder 9, ICE Project Number 400
ICE Folder Name: report 6928400-1 ice, 1969
Content Summary: A compendium of numerous integrated circuits-Product analysis

Box 4 (Series 16), Folder 10
Box 4, Folder 10, ICE Project Number 401
ICE Folder Name: 74 series market data-ice's pa file, 1970
Content Summary: TTL, S5400, N7400, aluminum corrosion, passivation, M.O.A., transistors

Box 4 (Series 16), Folder 11
ICE Project Number 402a
ICE Folder Name: GENERAL ELECTRIC-UTICA P/Q 1086 MICROELECTRONIC FAB. RECOMMENDATIONS, 1969
Content Summary: Review & recommendations for thin film hybrid microelectronics fabrication

Box 5 (Series 16), Folder 1
ICE Project Number 402b
ICE Folder Name: GENERAL ELECTRIC-UTICA P/Q 1086 MICROELECTRONIC FAB. RECOMMENDATIONS, 1969
Content Summary: The review and recommendations for thin film hybrid microelectronics fabrication

Box 5 (Series 16), Folder 2
ICE Project Number 402c
ICE Folder Name: GENERAL ELECTRIC-UTICA P/Q 1086 MICROELECTRONIC FAB. RECOMMENDATIONS, 1969
Content Summary: Packaging system improvements for GE thin film hybrid microelectronics

Box 5 (Series 16), Folder 3
ICE Project Number 402d
ICE Folder Name: GENERAL ELECTRIC-UTICA P/Q 1086 MICROELECTRONIC FAB. RECOMMENDATIONS, 1969
Content Summary: Aerospace electronic Department

Box 5 (Series 16), Folder 4
ICE Project Number 403
ICE Folder Name: ICE
Content Summary: Internal information on 500 Element Plot move to ICEMAP III program

Box 5 (Series 16), Folder 5
ICE Project Number 404
ICE Folder Name: solid state equipment corporation
Content Summary: Using SILANE to grow silicon layer in the SSEC epitaxial reactor

Box 5 (Series 16), Folder 6
Box 5, Folder 6, ICE Project Number 405
ICE Folder Name: ZENITH, 1969

Box 5 (Series 16), Folder 7
Box 5, Folder 7, ICE Project Number 408a
ICE Folder Name: LOCKHEED ELECTRONICS, 1969
Content Summary: Microcircuit plan

Box 5 (Series 16), Folder 8
Box 5, Folder 8, ICE Project Number 408b
ICE Folder Name: LOCKHEED ELECTRONICS, 1969
Content Summary: Legal documents re: microcircuit plan
<table>
<thead>
<tr>
<th>Box 5 (Series 16), Folder 9</th>
<th>Box 5, Folder 9, ICE Project Number 409a</th>
</tr>
</thead>
<tbody>
<tr>
<td>ICE Folder Name: GENERAL ELECTRIC, SYRACUSE P/Q 1098 PHASE III- STATE OF ART REPORT, 1969</td>
<td></td>
</tr>
<tr>
<td>Content Summary: Electro optical devices</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Box 5 (Series 16), Folder 10</th>
<th>ICE Project Number 409b</th>
</tr>
</thead>
<tbody>
<tr>
<td>ICE Folder Name: GENERAL ELECTRIC, SYRACUSE P/Q 1098 PHASE III- STATE OF ART REPORT, 1969</td>
<td></td>
</tr>
<tr>
<td>Content Summary: A state of the art report on integrated circuit technology</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Box 5 (Series 16), Folder 11</th>
<th>ICE Project Number 409c</th>
</tr>
</thead>
<tbody>
<tr>
<td>ICE Folder Name: GENERAL ELECTRIC, SYRACUSE P/Q 1098 PHASE III- STATE OF ART REPORT, 1970</td>
<td></td>
</tr>
<tr>
<td>Content Summary: Evaluation of the gate circuits of the SUHL-II type logic family</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Box 5 (Series 16), Folder 12</th>
<th>ICE Project Number 410</th>
</tr>
</thead>
<tbody>
<tr>
<td>ICE Folder Name: GENERAL ELECTRIC, SYRACUSE P/Q 1098 PHASE II (P.A.), 1969</td>
<td></td>
</tr>
<tr>
<td>Content Summary: Status of 9 circuits</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Box 5 (Series 16), Folder 13</th>
<th>ICE Project Number 411a</th>
</tr>
</thead>
<tbody>
<tr>
<td>ICE Folder Name: ENGINEERING REPORTS- G.E., 1970</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Box 5 (Series 16), Folder 14</th>
<th>ICE Project Number 411b</th>
</tr>
</thead>
<tbody>
<tr>
<td>ICE Folder Name: GENERAL ELECTRIC, SYRACUSE P/Q 1098 PHASE II- (CIRCUITS), 1970</td>
<td></td>
</tr>
<tr>
<td>Content Summary: SUHL II design plan, TTL-1 quad gate with flip/flops</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Box 5 (Series 16), Folder 15</th>
<th>ICE Project Number 411c</th>
</tr>
</thead>
<tbody>
<tr>
<td>ICE Folder Name: GENERAL ELECTRIC</td>
<td></td>
</tr>
<tr>
<td>Content Summary: Design, test, sourcing for the ANO JK flip/flops of SUHL II series</td>
<td></td>
</tr>
<tr>
<td>Box 6 (Series 16), Folder 1</td>
<td>Box 6, Folder 1, ICE Project Number 413</td>
</tr>
<tr>
<td>----------------------------</td>
<td>----------------------------------------</td>
</tr>
<tr>
<td>ICE Folder Name: bendix electodynamics, 1969</td>
<td></td>
</tr>
<tr>
<td>Content Summary: Facility review</td>
<td></td>
</tr>
<tr>
<td>Box 6 (Series 16), Folder 2</td>
<td>Box 6, Folder 2, ICE Project Number 415</td>
</tr>
<tr>
<td>ICE Folder Name: ENGINEERING/FABRICATION MARCH 17-21, 1969</td>
<td></td>
</tr>
<tr>
<td>Box 6 (Series 16), Folder 3</td>
<td>Box 6, Folder 3, ICE Project Number 416</td>
</tr>
<tr>
<td>ICE Folder Name: general electric company, 1969</td>
<td></td>
</tr>
<tr>
<td>Content Summary: A study of Integration level-Master Copy and correspondence</td>
<td></td>
</tr>
<tr>
<td>Box 6 (Series 16), Folder 4</td>
<td>Box 6, Folder 4, ICE Project Number 417</td>
</tr>
<tr>
<td>ICE Folder Name: GENERAL ELECTRIC, PHOENIX P/Q 1104 SPECIAL PROJECTS ANALYSIS, 1969</td>
<td></td>
</tr>
<tr>
<td>Content Summary: Plastic package evaluation T.I. Emitter coupled logic ECL-2500 family</td>
<td></td>
</tr>
<tr>
<td>Box 6 (Series 16), Folder 5</td>
<td>Box 6, Folder 5, ICE Project Number 418</td>
</tr>
<tr>
<td>ICE Folder Name: SIGNETICS/SUNNYVALE, COL. P/Q 2021, 1969</td>
<td></td>
</tr>
<tr>
<td>Content Summary: ECL/CML circuit market study</td>
<td></td>
</tr>
<tr>
<td>Box 6 (Series 16), Folder 6</td>
<td>Box 6, Folder 6, ICE Project Number 419</td>
</tr>
<tr>
<td>ICE Folder Name: analog devices, inc., 1969</td>
<td></td>
</tr>
<tr>
<td>Content Summary: Potential in-house monolithic facility study</td>
<td></td>
</tr>
<tr>
<td>Box 6 (Series 16), Folder 7</td>
<td>Box 6, Folder 7, ICE Project Number 420</td>
</tr>
<tr>
<td>ICE Folder Name: 2-WEEK FABRICATION SEMINAR FEBRUARY 24-MARCH 7, 1969</td>
<td></td>
</tr>
<tr>
<td>Box 6 (Series 16), Folder 8</td>
<td>Box 6, Folder 8, ICE Project Number 423</td>
</tr>
<tr>
<td>ICE Folder Name: FIVE ONE-DAY ADVANCED SEMINARS APRIL 14,15, 16, 17, AND 18, 1969</td>
<td></td>
</tr>
<tr>
<td>Box 6 (Series 16), Folder 9</td>
<td>Box 6, Folder 9, ICE Project Number 425</td>
</tr>
<tr>
<td>ICE Folder Name: general electric, phoenix phase II (p.a. Seminar) P/Q 1103</td>
<td></td>
</tr>
</tbody>
</table>
Box 6 (Series 16), Folder 10
Box 6, Folder 10, ICE Project Number 426
ICE Folder Name: ENGINEERING/FABRICATION APRIL 21-25, 1969

Box 6 (Series 16), Folder 11
Box 6, Folder 11, ICE Project Number 431
ICE Folder Name: general electric company p/q #1122, 1969
Content Summary: Investigation proposal: gated amplifier wafers

Box 6 (Series 16), Folder 12
Box 6, Folder 12, ICE Project Number 432
ICE Folder Name: m.i.t.
Content Summary: Diffused resistor impurity diffusion profiles

Box 6 (Series 16), Folder 13
Box 6, Folder 13, ICE Project Number 435
ICE Folder Name: IBM CORP.-ESSEX JUNCTION P/Q 4023 APRIL 7-11, 1969

Box 6 (Series 16), Folder 14
Box 6, Folder 14, ICE Project Number 439
ICE Folder Name: 5-DAY ENGINEERING MAY 19-23, 1969

Box 6 (Series 16), Folder 15
Box 6, Folder 15, ICE Project Number 443
ICE Folder Name: R C A SEMINAR APRIL 28/MAY 9, 1969

Box 6 (Series 16), Folder 16
Box 6, Folder 16, ICE Project Number 447a
ICE Folder Name: Joseph Lucas, Ltd.-ford motor company, 1969
Content Summary: Step-by-step of semiconductor fabrication procedures & facility layout

Box 6 (Series 16), Folder 17
Box 6, Folder 17, ICE Project Number 447b
ICE Folder Name: Joseph Lucas, Ltd.-ford motor company, 1969
Content Summary: Failure mechanism for the Ford voltage reg.

Box 6 (Series 16), Folder 18
Box 6, Folder 18, ICE Project Number 448
ICE Folder Name: GENERAL ELECTRIC, PHOENIX P/Q 1103 PHASE III (QUATERLY VISITS)
Content Summary: Procurement practices

Box 6 (Series 16), Folder 19
Box 6, Folder 19, ICE Project Number 449
<table>
<thead>
<tr>
<th>Box 6 (Series 16), Folder 20</th>
<th>Box 6, Folder 20, ICE Project Number 450</th>
</tr>
</thead>
<tbody>
<tr>
<td>ICE Folder Name: MOTOROLA, INC.- CHICAGO P/Q #1068, 1969</td>
<td></td>
</tr>
<tr>
<td>Content Summary: Decoder logic A wafer-Gold backed wafer &amp; overlays with diffusion MASKS</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Box 6 (Series 16), Folder 21</th>
<th>Box 6, Folder 21, ICE Project Number 452</th>
</tr>
</thead>
<tbody>
<tr>
<td>ICE Folder Name: Semcor division of components, inc., 1969</td>
<td></td>
</tr>
<tr>
<td>Content Summary: Failure analysis of Zener diodes, Z1382 &amp; Z1363</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Box 6 (Series 16), Folder 22</th>
<th>Box 6, Folder 22, ICE Project Number 453</th>
</tr>
</thead>
<tbody>
<tr>
<td>ICE Folder Name: eaton, yale, and towne research center, 1969</td>
<td></td>
</tr>
<tr>
<td>Content Summary: Automotive automatic speed control/problems and economics silicon monolithic</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Box 6 (Series 16), Folder 23</th>
<th>Box 6, Folder 23, ICE Project Number 454</th>
</tr>
</thead>
<tbody>
<tr>
<td>ICE Folder Name: General electric, 1969</td>
<td></td>
</tr>
<tr>
<td>Content Summary: Incomplete contract request</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Box 6 (Series 16), Folder 24</th>
<th>Box 6, Folder 24, ICE Project Number 455</th>
</tr>
</thead>
<tbody>
<tr>
<td>ICE Folder Name: PACKAGING PRODUCT ANALYSIS</td>
<td></td>
</tr>
<tr>
<td>Content Summary: Draft, ca. 1969</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Box 6 (Series 16), Folder 25</th>
<th>Box 6, Folder 25, ICE Project Number 456</th>
</tr>
</thead>
<tbody>
<tr>
<td>ICE Folder Name: ENGINEERING SEMINAR JUNE 23-27, 1969</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Box 6 (Series 16), Folder 26</th>
<th>Box 6, Folder 26, ICE Project Number 459a</th>
</tr>
</thead>
<tbody>
<tr>
<td>ICE Folder Name: Aerojet-general corporation, 1969</td>
<td></td>
</tr>
<tr>
<td>Content Summary: Failure analysis of hybrid circuit preamplifiers</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Box 6 (Series 16), Folder 27</th>
<th>Box 6, Folder 27, ICE Project Number 459b</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>
ICE Folder Name: Aerojet-general corporation, 1969
Content Summary: Contract correspondence and flip-flop

Box 7 (Series 16), Folder 1
Box 7, Folder 1, ICE Project Number 462

ICE Folder Name: BABCOCK & WILCOX P/Q 1144’ 1969
Content Summary: Multiple transistor chips

Box 7 (Series 16), Folder 2
Box 7, Folder 2, ICE Project Number 463
ICE Folder Name: STATE UNIVERSITY OF NEW YORK JUNE 18, 19, 20, 1969

Box 7 (Series 16), Folder 3
Box 7, Folder 3, ICE Project Number 464
ICE Folder Name: IBM-POUGHKEEPSIE JUNE 23-26, 1969

Box 7 (Series 16), Folder 4
Box 7, Folder 4, ICE Project Number 467
ICE Folder Name: BENDIX CORPORATION PROPOSAL 1133
Content Summary: Expanded microelectronics operation

Box 7 (Series 16), Folder 5
Box 7, Folder 5, ICE Project Number 469
ICE Folder Name: MOTOROLA, INC.-MESA P/Q #1143, 1969
Content Summary: Laying out MASK sets

Box 7 (Series 16), Folder 6
Box 7, Folder 6, ICE Project Number 470
ICE Folder Name: HONEYWELL SEMINAR JUNE 30 AND JULY 1, 1969

Box 7 (Series 16), Folder 7
Box 7, Folder 7, ICE Project Number 471
ICE Folder Name: G. E. PHOENIX-CIRCUIT MODELING P/Q #1138, 1969
Content Summary: Explanation of model parameters for "CIRCUS" programs

Box 7 (Series 16), Folder 8
Box 7, Folder 8, ICE Project Number 472
ICE Folder Name: OMNI-SPECTRA P/Q 1140, 1969
Content Summary: Market analysis of microwave integrated circuits

Box 7 (Series 16), Folder 9
Box 7, Folder 9, ICE Project Number 473
ICE Folder Name: LOCKHEED SEMINAR-NEW JERSEY JULY 8-11, 1969
Box 7 (Series 16), Folder 10

ICE Folder Name: CENTRALAB, MILWAUKEE (CONSULTING) P/Q #1136
Content Summary: Review of hybrid circuit facilities

Box 7 (Series 16), Folder 11

ICE Folder Name: MICROSYSTEMS INTERNATIONAL PROP. 1154A

Box 7 (Series 16), Folder 12

ICE Folder Name: 4-WEEK DESIGN/FABRICATION NOVEMBER 17-DECEMBER 14, 1969

Box 7 (Series 16), Folder 13

ICE Folder Name: ENGINEERING, LSI, FAILURE ANALYSIS OCTOBER 27-NOV. 1, 1969

Box 7 (Series 16), Folder 14

ICE Folder Name: SEMICONDUCTOR ELECTRONIC MEMORIES, INC., 1969
Content Summary: Facility plan

Box 7 (Series 16), Folder 15

ICE Folder Name: 2-WEEK PROCESSING COURSE NOVEMBER 3-14, 1969

Box 7 (Series 16), Folder 16

ICE Folder Name: Robert a. hirschfeld-electronic consultant, 1969
Content Summary: UA741 circuit design analysis-predecessor 709 amplifier

Box 7 (Series 16), Folder 17

ICE Folder Name: ENGINEERING/ RELIABILITY /PURCH/ MKT. NOVEMBER 17-21, 1969

Box 7 (Series 16), Folder 18

ICE Folder Name: ICE, 1969
Content Summary: Report: T6 Control Pattern

Box 7 (Series 16), Folder 19

ICE Folder Name: MICROELECTRONICS ARTICLE, 1970
Content Summary: "IC Business in the USA" and "Internal Aspects"

Box 7 (Series 16), Folder 20

ICE Folder Name: DICKSON ELECTRONICS CORP. P/Q #1149, 1969
Content Summary: Organization for continued growth

Box 8 (Series 16), Folder 1

ICE Folder Name: ENGINEERING, FACILITIES, FAILURE ANALYSIS DECEMBER 1-6, 1969

Box 8 (Series 16), Folder 2

ICE Folder Name: NORTHRUP CORP. (SEMINAR) LETTER #1186

Box 8 (Series 16), Folder 3

ICE Folder Name: MIL (MARKETING STUDIES) P/Q #1187, 1970
Content Summary: MOS market analysis and the 7400 TTL market

Box 8 (Series 16), Folder 4

ICE Folder Name: MICROSYS TEMS INTERNATIONAL P/Q #1156, 1970
Content Summary: MOS and the TLL market study presentation

Box 8 (Series 16), Folder 5

ICE Folder Name: DYAD SYSTEMS, INC., 1969
Content Summary: Summary of individual contacts

Box 8 (Series 16), Folder 6

ICE Folder Name: GRUMMAN, 1970
Content Summary: "An analysis of the Fairchild uA741 operational amplifier" January, 1970 report 7000515e-1

Box 8 (Series 16), Folder 7

Content Summary: Matsushita Electronics Corporation consultation visit, 1969

Box 8 (Series 16), Folder 8

ICE Folder Name: HITACHI, LTD. P/Q #1112 & 1113, 1969
Content Summary: DECAP DC circuit analysis program

Box 8 (Series 16), Folder 9

ICE Folder Name: MOTOROLA (CHICAGO) P/Q #1193, 1970
Content Summary: Correspondence

Box 8 (Series 16), Folder 10

ICE Folder Name: STATE UNIVERSITY OF NEW YORK NOVEMBER 12, 13, 14, 1969
Content Summary: Seminar

Box 8 (Series 16), Folder 11

ICE Folder Name: RESDEL ENGINEERING CO., 1970
Content Summary: Logic analysis program

Box 8 (Series 16), Folder 12

ICE Folder Name: BURROUGHS-KING OF PRUSSIA DECEMBER 8-12, 1969
Content Summary: Attendance list

Box 8 (Series 16), Folder 13

ICE Folder Name: GENERAL ELECTRIC COMPANY MARCH 30, 1970- UPDATE

Box 8 (Series 16), Folder 14

ICE Folder Name: EGNIEERING SEMINAR FEBRUARY 16-19 & 1-DAY ADVANCED

Box 8 (Series 16), Folder 15

Content Summary: Attendance at Dyad Systems seminar

Box 8 (Series 16), Folder 16

Content Summary: General Electric work statement, P/Q #1212, 1970

Box 8 (Series 16), Folder 17

ICE Folder Name: IBM SEMINAR- GAITHERSBURG, MD JANUARY 19-23, 1970
Content Summary: Attendance list

Box 8 (Series 16), Folder 18
Box 8, Folder 18, ICE Project Number 542
ICE Folder Name: ADVANCED TECHNOLOGY, INC. P/Q #1206, 1970
Content Summary: Invoice

Box 8 (Series 16), Folder 19
Box 8, Folder 19, ICE Project Number 543
ICE Folder Name: HONEYWELL, AERO (CONSULTING)

Box 8 (Series 16), Folder 20
Box 8, Folder 20, ICE Project Number 544
ICE Folder Name: IBM SEMINAR- ESSEX JUNCTION, VERMONT JANUARY 26-30, 1970
Content Summary: Attendance list

Box 9 (Series 16), Folder 1
Box 9, Folder 1, ICE Project Number 545
ICE Folder Name: BORG-WARNER CORP. P/Q #1188, 1969
Content Summary: Purchase order

Box 9 (Series 16), Folder 2
Box 9, Folder 2, ICE Project Number 548a
ICE Folder Name: AIR-TSCP 700-4, 1970
Content Summary: Prediction of reliability

Box 9 (Series 16), Folder 3
Box 9, Folder 3, ICE Project Number 548b
Content Summary: Abstract of ICE report 7000548-1 proposed for Digital Motor Control

Box 9 (Series 16), Folder 4
Box 9, Folder 4, ICE Project Number 548c
ICE Folder Name: AIRSEARCH MANUFACTURING COMPANY P/Q #1208
Content Summary: Breadboard digital systems

Box 9 (Series 16), Folder 5
Box 9, Folder 5, ICE Project Number 548d
Content Summary: Prediction of reliability for APU TSCP700-4, 1970

Box 9 (Series 16), Folder 6
Box 9, Folder 6, ICE Project Number 548e
Content Summary: Proposed digital motor control system for auxiliary power unit TSCP700-4, 1970
Box 9 (Series 16), Folder 7

Box 9, Folder 7, ICE Project Number 549

ICE Folder Name: SEMICONDUCTOR DIV. GLOBE-UNION, INC. P/Q #1147, 1970
Content Summary: Specifications for selected products, market opportunities study, and correspondence

Box 9 (Series 16), Folder 8

Box 9, Folder 8, ICE Project Number 550

ICE Folder Name: NAVAL ELECTRONICS LAB SEMINAR JANUARY 14, 1970 (MANAGEMENT)
Content Summary: Attendance list

Box 9 (Series 16), Folder 9

Box 9, Folder 9, ICE Project Number 555
ICE Folder Name: 4-DAY ENGINEERING/MAMT./PURCHASING APRIL 6-10, 1970

Box 9 (Series 16), Folder 10

Box 9, Folder 10, ICE Project Number 556
ICE Folder Name: 4-WEEK FABRICATION COURSE FEBRUARY 23-MARCH 20, 1970

Box 9 (Series 16), Folder 11

Box 9, Folder 11, ICE Project Number 557
ICE Folder Name: OPPENHEIMER & CO. (MOS EVAL.) P/Q VERBAL, 1970

Box 9 (Series 16), Folder 12

Box 9, Folder 12, ICE Project Number 558

ICE Folder Name: MOTORALA, INC. (MESA) P/Q #1180A
Content Summary: Work statement

Box 9 (Series 16), Folder 13

Box 9, Folder 13, ICE Project Number 559
ICE Folder Name: ENGINEERING SEMINAR MARCH 16-19, 1970

Box 9 (Series 16), Folder 14

Box 9, Folder 14, ICE Project Number 560
ICE Folder Name: 4-DAY ENGINEERING/LSI/FAILURE ANALYSIS MAY 18-MAY 23, 1970

Box 9 (Series 16), Folder 15

Box 9, Folder 15, ICE Project Number 561

ICE Folder Name: OMNITEC CORP. (FEASIBILITY STUDY) P/Q #1228
Content Summary: Status of Omnitec contract

Box 9 (Series 16), Folder 16

Box 9, Folder 16, ICE Project Number 563
Content Summary: Correspondence for Projects 563-573
Box 9 (Series 16), Folder 17
Box 9, Folder 17, ICE Project Number 564
ICE Folder Name: NAVAL ELECTRONICS LABORATORY CENTER - MARCH 9-13, 1970

Box 10 (Series 16), Folder 1
Box 10, Folder 1, ICE Project Number 569a
ICE Folder Name: MICROSYSTEMS INTERNATIONAL LTD. MISC. INFO., 1970
Content Summary: Organizational review

Box 10 (Series 16), Folder 2
Box 10, Folder 2, ICE Project Number 569b
ICE Folder Name: MICROSYSTEMS INTERNATIONAL LTD. CORRESPONDENCE, 1970
Content Summary: Correspondence

Box 10 (Series 16), Folder 3
Box 10, Folder 3, ICE Project Number 569c
ICE Folder Name: MICROSYSTEMS INTERNATIONAL LTD., 1970
Content Summary: Misc. information and G. Madland's notes

Box 10 (Series 16), Folder 4
Box 10, Folder 4, ICE Project Number 570
Image(s)
ICE Folder Name: NAVY ELECT. LAB. CENTER (PARTIT. STUDY) P/Q #1235, 1971
Content Summary: Report on AX & B chip-Floating point signed arithmetic

Box 10 (Series 16), Folder 5
Box 10, Folder 5, ICE Project Number 571
ICE Folder Name: MIL (FACILITY EVALUATION) P/Q #1238, 1970
Content Summary: Photomask facility study

Box 10 (Series 16), Folder 6
Box 10, Folder 6, ICE Project Number 572
ICE Folder Name: MICRODOT (CIRCUITS) P/Q #1236, 1971
Content Summary: Developing chips with attaching insulated wire

Box 10 (Series 16), Folder 7
Box 10, Folder 7, ICE Project Number 573-1 C
ICE Folder Name: FAIRCHILD SEMICONDUCTOR, 1970
<table>
<thead>
<tr>
<th>Box 11 (Series 16), Folder 1</th>
<th>Box 11, Folder 1, ICE Project Number 575</th>
</tr>
</thead>
</table>
| ICE Folder Name: MIT-LINCOLN
LABS (BONDING ASSIST.) P/Q #1247, 1970 |
| Content Summary: Memo report PHASE II |

<table>
<thead>
<tr>
<th>Box 11 (Series 16), Folder 2</th>
<th>Box 11, Folder 2, ICE Project Number 581</th>
</tr>
</thead>
<tbody>
<tr>
<td>ICE Folder Name: 2-WEEK PROCESSING COURSE JUNE 1-JUNE 12, 1970</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Box 11 (Series 16), Folder 3</th>
<th>Box 11, Folder 3, ICE Project Number 582</th>
</tr>
</thead>
<tbody>
<tr>
<td>Content Summary: Draft of molecular sciences prospectus, 1970</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Box 11 (Series 16), Folder 4</th>
<th>Box 11, Folder 4, ICE Project Number 586</th>
</tr>
</thead>
<tbody>
<tr>
<td>ICE Folder Name: IBM COPORATION 3-WEEK MOS DESIGN SEMINAR JUNE 22-JULY 2, 1970 &amp; OCTOBER 509, 1970</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Box 11 (Series 16), Folder 5</th>
<th>Box 11, Folder 5, ICE Project Number 587</th>
</tr>
</thead>
<tbody>
<tr>
<td>ICE Folder Name: RAIRCHILD (MT. VIEW) (MEMORY STUDY) P/Q #1264, 1970</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Box 11 (Series 16), Folder 6</th>
<th>Box 11, Folder 6, ICE Project Number 590</th>
</tr>
</thead>
<tbody>
<tr>
<td>ICE Folder Name: SYLVANIA (DESIGN/LAYOUT) P/Q #1299, 1970</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Box 11 (Series 16), Folder 7</th>
<th>Box 11, Folder 7, ICE Project Number 595</th>
</tr>
</thead>
<tbody>
<tr>
<td>ICE Folder Name: HONEYWELL</td>
<td></td>
</tr>
<tr>
<td>Content Summary: Proposed ADG program</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Box 11 (Series 16), Folder 8</th>
<th>Box 11, Folder 8, ICE Project Number 599</th>
</tr>
</thead>
<tbody>
<tr>
<td>ICE Folder Name: METCERAM, 1970</td>
<td></td>
</tr>
<tr>
<td>Content Summary: Study of potential market for ceramic LSI packages</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Box 11 (Series 16), Folder 9</th>
<th>Box 11, Folder 9, ICE Project Number 600</th>
</tr>
</thead>
<tbody>
<tr>
<td>ICE Folder Name: 4-WEEK FABRICATION COURSE SEPTEMBER 21-OCTOBER 16, 1970</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Box 11 (Series 16), Folder 10</th>
<th>Box 11, Folder 10, ICE Project Number 601</th>
</tr>
</thead>
<tbody>
<tr>
<td>ICE Folder Name: 4-DAY ENGINEERING SEMINAR (1 DAY-MOS OR FA) OCTOBER 19-24, 1970</td>
<td></td>
</tr>
</tbody>
</table>

| Box 11 (Series 16), Folder 11 | Box 11, Folder 11, ICE Project Number 603 |
ICE Folder Name: GLOBE UNION, INC. EL MONTE (CIRCUITS) P/Q #1293, 1971

Box 11 (Series 16)
Box 11, Folder 11, ICE Project Number 604

ICE Folder Name: GLOBE UNION, INC. EL MONTE (CIRCUITS) P/Q #1293, 1971

Box 175
Project Number 605
Unidynamics

Box 11 (Series 16), Folder 12
Box 11, Folder 12, ICE Project Number 606
ICE Folder Name: NELC (SEMINAR), 1970

Box 11 (Series 16), Folder 13
Box 11, Folder 13, ICE Project Number 610
ICE Folder Name: BAILEY METER CO. (SEMINAR) P/Q # 1338, 1970

Box 11 (Series 16), Folder 14
Box 11, Folder 14, ICE Project Number 611
ICE Folder Name: VIATRON (CONSULTING) P/Q #1342, 1971

Box 11 (Series 16), Folder 15
Box 11, Folder 15, ICE Project Number 613
ICE Folder Name: LOCKHEED (CONSULTING) P/Q # 1352, 1970

Box 11 (Series 16), Folder 16
Box 11, Folder 16, ICE Project Number 614
ICE Folder Name: (1-DAY OR STATUS OF INDUSTRY) NOVEMBER 16-20, 1970

Box 11 (Series 16), Folder 17
Box 11, Folder 17, ICE Project Number 615
Content Summary: Honeywell purchase order, 1970

Box 11 (Series 16), Folder 18
Box 11, Folder 18, ICE Project Number 616
ICE Folder Name: AMELCO (CIRCUITS) P/Q # 132

Box 11 (Series 16), Folder 19
Box 11, Folder 19, ICE Project Number 617
ICE Folder Name: 2-WEEK SPECIAL SEMINAR- R C A OCOTOBER 19-30, 1970

Box 11 (Series 16), Folder 20
Box 11, Folder 20, ICE Project Number 619
ICE Folder Name: ICE PROJECT FILES
Content Summary: ITT project file, 1970 (bound file)

Box 11 (Series 16), Folder 21
Box 11, Folder 21, ICE Project Number 619
ICE Folder Name: ITT (CONSULTING), 1970

Box 12 (Series 16), Folder 1
Box 12, Folder 1, ICE Project Number 620
ICE Folder Name: DICKSON (MKT. STUDY) P/Q #1345, 1970

Box 12 (Series 16), Folder 2

Box 12, Folder 2, ICE Project Number 626

ICE Folder Name: IBM, LOS GATOS (WAFER PROCESS.) P/Q #1357
Content Summary: Cost authorization

Box 12 (Series 16), Folder 3

Box 12, Folder 3, ICE Project Number 627
ICE Folder Name: LOCKHEED, N.J. (CONSULTING), 1970

Box 12 (Series 16), Folder 4

Box 12, Folder 4, ICE Project Number 628

ICE Folder Name: NELC (APPL. SEMINAR), 1970
Content Summary:

Box 12 (Series 16), Folder 5

Box 12, Folder 5, ICE Project Number 629

ICE Folder Name: UNION CARBIDE
Content Summary: Final report for investigation of spinel insulated substrates

Box 12 (Series 16)

ICE Folder Name: UNION CARBIDE
Content Summary: Final report for investigation of spinel insulated substrates

Box 12 (Series 16), Folder 6

Box 12, Folder 6, ICE Project Number 639
ICE Folder Name: HYBRID ICEMAP SEMINAR FOR MOTOROLA-
DECEMBER 15-16, 1970

Box 12 (Series 16), Folder 7

Box 12, Folder 7, ICE Project Number 639D
ICE Folder Name: MOTOROLA, INC. MOS MKT. STUDY, 1970

Box 12 (Series 16), Folder 8

Box 12, Folder 8, ICE Project Number 643C
Content Summary: "Periodic report-Semiconductor & integrated circuit" late 1971-72

Box 12 (Series 16), Folder 9

Box 12, Folder 9, ICE Project Number 644
ICE Folder Name: 3M COMPANY (SEMINAR) P/Q #1348

Box 12 (Series 16), Folder 10

Box 12, Folder 10, ICE Project Number 647
Content Summary: Motorola-Hybrid program license agreement, 1971
Box 12 (Series 16), Folder 11
Box 12, Folder 11, ICE Project Number 651
ICE Folder Name: 4-DAY ENGINEERING JANUARY 18-21 1-DAY LSI JAN. 22, 1971

Box 12 (Series 16), Folder 12
Box 12, Folder 12, ICE Project Number 652
ICE Folder Name: UP-DATE (FINANCE AND TECHNICAL) SEMINAR- FEBRUARY 25-26, 1971

Box 12 (Series 16), Folder 13
Box 12, Folder 13, ICE Project Number 653
ICE Folder Name: DESIGN & APPLICATION FEBRUARY 7-10 INDUSTRY STATUS FEBRUARY 11, 1972

Box 12 (Series 16), Folder 14
Box 12, Folder 14, ICE Project Number 656
ICE Folder Name: FORD MOTOR CO. (RELIABLITY STUDY) P/Q #1382, 1971

Box 12 (Series 16), Folder 15
Box 12, Folder 15, ICE Project Number 657
ICE Folder Name: UNIVAC (UPDATING SEM.) P/Q #1369, 1970

Box 12 (Series 16), Folder 16
Box 12, Folder 16, ICE Project Number 660
Content Summary: COM-DEV INC- Contracts, 1971

Box 12 (Series 16), Folder 17
Box 12, Folder 17, ICE Project Number 662
Content Summary: Notes for meeting with Wilf Corrigan, 1972

Box 12 (Series 16), Folder 18
Box 12, Folder 18, ICE Project Number 665
ICE Folder Name: MCGRAW HILL, 1971
Content Summary: Organic developer for A20 135OH

Box 12 (Series 16), Folder 19
Box 12, Folder 19, ICE Project Number 666
ICE Folder Name: MOTORALA, INC. (SEMINAR) P/Q #1377, 1971

Box 12 (Series 16), Folder 20
Box 12, Folder 20, ICE Project Number 667
ICE Folder Name: 4-DAY DESIGN & APPLICATION JUNE 7-10 1-DAY SEMI. MEMORIES JUNE 11, 1971

Box 12 (Series 16), Folder 21
Box 12, Folder 21, ICE Project Number 668
ICE Folder Name: 4-DAY ENGINEERING SEPTEMBER 20-23 1-DAY STATUS OF INDUSTRY SEPTEMBER 24, 1971

Box 12 (Series 16), Folder 22
Box 12, Folder 22, ICE Project Number 669
ICE Folder Name: ITT SEMICONDUCTOR (YIELD IMPROVE.) P/Q #1378

Page 83 of 318
Content Summary: Correspondence

Box 12 (Series 16), Folder 23
12, Folder 23, ICE Project Number 670S
ICE Folder Name: FAIRCHILD MOS D & A SEMINAR MARCH 30-APRIL 2, 1971

Box 12 (Series 16), Folder 24
Box 12, Folder 24, ICE Project Number 671
ICE Folder Name: 4-DAY ENGINEERING APRIL 19-22 1-DAY MOS DESIGN APRIL 23, 1971

Box 12 (Series 16), Folder 25
Box 12, Folder 25, ICE Project Number 673
ICE Folder Name: HURRICANE CAR WASH (CIRCUITS) P/Q #1412, 1971

Box 12 (Series 16), Folder 26
ICE Project Number 675
ICE Folder Name: UNIDYNAMICS (ACQUISITION), 1971

Box 12 (Series 16), Folder 27
Box 12, Folder 27, ICE Project Number 676S
ICE Folder Name: FAIRCHILD- MOS DESIGN AND APPLICATION MARCH 16-20, 1971

Box 12 (Series 16), Folder 28
Box 12, Folder 28, ICE Project Number 678
ICE Folder Name: NELC (FAB. SEMINAR) P/Q #1387, 1971

Box 12 (Series 16), Folder 29
Box 12, Folder 29, ICE Project Number 683
ICE Folder Name: ITT (NEW YORK) (SEMINAR), 1971

Box 12 (Series 16), Folder 30
Box 12, Folder 30, ICE Project Number 687
Content Summary: W.R. Girace & Co., 1971

Box 12 (Series 16), Folder 31
Box 12, Folder 31, ICE Project Number 699
ICE Folder Name: ITT, LAWRENCE, MASS. (4-LAYER DIODES), 1971

Box 12 (Series 16), Folder 32
Box 12, Folder 32, ICE Project Number 700
ICE Folder Name: INSELEK (ANNUAL CONSULTING) P/Q #1441 1971

Box 12 (Series 16), Folder 33
Box 12, Folder 33, ICE Project Number 700
ICE Folder Name: INSELEK P/Q #1441, 1972
Content Summary: Consulting

Box 12 (Series 16), Folder 34
Box 12, Folder 34, ICE Project Number 700
ICE Folder Name: INSELEK P/Q #1441, 1973

Box 13 (Series 16), Folder 1
Box 13, Folder 1, ICE Project Number 701a
Box 14 (Series 16), Folder 2
Box 14, Folder 2, ICE Project Number 705
ICE Folder Name: COLLINS RADIO (FAILURE ANALYSIS) P/Q #1459

Box 14 (Series 16), Folder 3
Box 14, Folder 3, ICE Project Number 708
ICE Folder Name: BUNKER-RAMO CORP. (VENDOR EVAL.) P/Q #1463, 1971
Content Summary: Logic design and positioning

Box 14 (Series 16), Folder 4
Box 14, Folder 4, ICE Project Number 709
ICE Folder Name: G.E., SYRACUSE (1-DAY STATUS REVIEW) P/Q #1458, 1971
Content Summary: Status of the integrated circuit industry-special review forge.

Box 14 (Series 16), Folder 5
Box 14, Folder 5, ICE Project Number 710
ICE Folder Name: DIETZGEN
Content Summary: Electronic slide rule-cross reference 1996.0089.01

Box 14 (Series 16)
Box 14, Folder 5, ICE Project Number 711
ICE Folder Name: DIETZGEN
Content Summary: Electronic slide rule-cross reference 1996.0089.01

Box 14 (Series 16)
Box 14, Folder 5, ICE Project Number 712
ICE Folder Name: DIETZGEN
Content Summary: Electronic slide rule-cross reference 1996.0089.01

Box 14 (Series 16), Folder 6
Box 14, Folder 6, ICE Project Number 710
ICE Folder Name: DIETZGEN
Content Summary: Electronic slide rule and "Is it digital or analog?"

Box 14 (Series 16)
Box 14, Folder 6, ICE Project Number 711
ICE Folder Name: DIETZGEN
Content Summary: Electronic slide rule and "Is it digital or analog?"
Box 14 (Series 16), Folder 6

ICE Folder Name: DIETZGEN
Content Summary: Electronic slide rule and "Is it digital or analog?"

Box 14, Folder 6, ICE Project Number 712

Box 14 (Series 16), Folder 7

ICE Folder Name: UNIDYNAMICS
Content Summary: Pocket calculator- concept- function- development-technical description-futures

Box 14, Folder 7, ICE Project Number 710

Box 14 (Series 16)

ICE Folder Name: UNIDYNAMICS
Content Summary: Pocket calculator- concept- function- development-technical description-futures

Box 14, Folder 7, ICE Project Number 711

Box 14 (Series 16)

ICE Folder Name: UNIDYNAMICS
Content Summary: Pocket calculator- concept- function- development-technical description-futures

Box 14, Folder 7, ICE Project Number 712

Box 14 (Series 16), Folder 8

ICE Folder Name: DIETZGEN
Content Summary: Initiation of sales efforts for the electronic slide rule

Box 14, Folder 8, ICE Project Number 710

Box 14 (Series 16)

ICE Folder Name: DIETZGEN
Content Summary: Initiation of sales efforts for the electronic slide rule

Box 14, Folder 8, ICE Project Number 711

Box 14 (Series 16)

ICE Folder Name: DIETZGEN
Content Summary: Initiation of sales efforts for the electronic slide rule

Box 14, Folder 8, ICE Project Number 712

Box 14 (Series 16), Folder 9

ICE Folder Name: DIETZGEN

Box 14, Folder 9, ICE Project Number 710
Content Summary: Correspondence concerning design, production, & sale of 5 digit electronic slide rule

Box 14 (Series 16)  Box 14, Folder 9, ICE Project Number 711

ICE Folder Name: DIETZGEN
Content Summary: Correspondence concerning design, production, & sale of 5 digit electronic slide rule

Box 14 (Series 16), Folder 9  Box 14, Folder 9, ICE Project Number 712

ICE Folder Name: DIETZGEN
Content Summary: Correspondence concerning design, production, & sale of 5 digit electronic slide rule

Box 15 (Series 16), Folder 1  Box 15, Folder 1, ICE Project Number 714

ICE Folder Name: SIGNETICS (LAYOUT) P/Q #1455, 1971
Content Summary: 7109 chip(s) 54H74's-Signetics ownership ATT Mask & artwork

Box 15 (Series 16), Folder 2  Box 15, Folder 2, ICE Project Number 715a

ICE Folder Name: Integrated Technology Corporation
Content Summary: ICE story and a "Diamond growing process"

Box 15 (Series 16), Folder 3  Box 15, Folder 3, ICE Project Number 715b

ICE Folder Name: board of directors, 1972
Content Summary: Sale of ITC to Bowmar-merger

Box 15 (Series 16), Folder 4  Box 15, Folder 4, ICE Project Number 718a

ICE Folder Name: centralab (FORD MOTOR COMPANY), 1971
Content Summary: Voltage regulators

Box 15 (Series 16), Folder 5  Box 15, Folder 5, ICE Project Number 718b

ICE Folder Name: ford motor company, 1971
Content Summary: A comparison of potential failure modes of various IC voltage regulators
Box 15 (Series 16), Folder 6

ICE Folder Name: DATAPAK (MEMORY SYSTEM DEVELOP.) P/Q #1481, 1971
Content Summary: Economics of establishing a BI-polar integrated facility

Box 15 (Series 16), Folder 7

ICE Folder Name: NURDC TECHNICIAN- INTERMEDIATE PASADENA, CAL. SEPTEMBER 20-22, 1971
Content Summary: Seminar/workshop

Box 15 (Series 16), Folder 8

ICE Folder Name: SEACO (FAILURE ANALYSIS) P/Q #1472, 1971
Content Summary: Process for soldering multi layer circuit boards

Box 15 (Series 16), Folder 9

ICE Folder Name: NELC DESIGN & APPLICATIONS SAN DIEGO SEPTEMBER 13-17, 1971
Content Summary: Seminar/workshop

Box 15 (Series 16), Folder 10

ICE Folder Name: DESIGN APPLICATION NOVEMBER 1-4, 1971 SEMI. MEMORIES NOVEMBER 5, 1971
Content Summary: Seminar/workshop

Box 16 (Series 16), Folder 1

ICE Folder Name: International telephone and telegraph corporation, 1971
Content Summary: US Semiconductors and overview-potential for West Palm Beach relocation

Box 16 (Series 16), Folder 2

ICE Folder Name: International telephone and telegraph corporation, 1971
Content Summary: US Semiconductors and overview non-censored
Box 16 (Series 16),
Folder 3

ICE Folder Name: International telephone and telegraph corporation, 1971
Content Summary: Transistor analysis -Plan X- AMT reactor loop

Box 16 (Series 16),
Folder 4

ICE Folder Name: International telephone and telegraph corporation, 1971
Content Summary: Background and review of the problem-ITT
Semiconductor operation in West Palm Beach, Fl.

Box 16 (Series 16),
Folder 5

ICE Folder Name: CENTRALAB (CHIPS) P/Q #1495, 1971
Content Summary: ... Quoting LITTL-I integrated circuit amplifier chips
developed by ICE for use in OPTO-HYBRIDS

Box 16 (Series 16),
Folder 6

ICE Folder Name: Cambridge research and development-PArtitioning
Content Summary: Placing analog shift registers on MOS chip-balance on
custom BI-Polar chip

Box 16 (Series 16),
Folder 7

ICE Folder Name: Owens-Illinois, p/q #1517, 1971
Content Summary: Digivue® Display/memory unit (INCLUDES 713 & 716)

Box 16 (Series 16),
Folder 8

ICE Folder Name: Owens-Illinois, p/q #1517, 1971
Content Summary: Evaluation of alternate packaging methods-TASK II

Box 16 (Series 16),
Folder 9

ICE Folder Name: INDUSTRY TECHNOLOGY APRIL 10-13 MANAGEMENT
OF IC FACILITIES APRIL 14, 1972

Box 16 (Series 16),
Folder 10

ICE Folder Name: INSELEK (CATV SYSTEMS), 1971
Content Summary: Cable TV- video- OP AMP- low cost foreign assembly

Box 16 (Series 16), Folder 11

Box 16, Folder 11, ICE Project Number 743a

ICE Folder Name: ITT, 1973
Content Summary: Study of 4 layer switching diodes for telecommunication application

Box 16 (Series 16), Folder 12

Box 16, Folder 12, ICE Project Number 743b

ICE Folder Name: ITT
Content Summary: Test box #3 condition on diode- 4 layer switching diodes

Box 17 (Series 16), Folder 1

Box 17, Folder 1, ICE Project Number 744

ICE Folder Name: GLOBE-UNION (VOLT. REGULATOR) P/Q #1482, 1970
Content Summary: Market opportunities program MOS and memory, design program, -voltage regulator

Box 17 (Series 16), Folder 2

Box 17, Folder 2, ICE Project Number 745

ICE Folder Name: ALLIED CONTROL (MARKET STUDY) P/Q #1520, 1971
Content Summary: Study of wafer technology

Box 17 (Series 16), Folder 3

Box 17, Folder 3, ICE Project Number 746

ICE Folder Name: OWENS-ILLINOIS (DECODER DRIVER ARRAYS) P/Q #1517, 1972
Content Summary: Thermal characteristics of beam leaded chips-BI-polar vert. pulser circuit

Box 17 (Series 16), Folder 3

Box 17, Folder 3, ICE Project Number 747

ICE Folder Name: OWENS-ILLINOIS (DECODER DRIVER ARRAYS) P/Q #1517, 1972
Content Summary: Thermal characteristics of beam leaded chips- BI- polar vert. pulser circuit

Box 17 (Series 16), Folder 4

Box 17, Folder 4, ICE Project Number 748
ICE Folder Name: FORD MOTOR CO. (DESIGN ANALYSIS) P/Q #1523, 1971
Content Summary: Electric choke thermostat assembly

Box 17 (Series 16), Folder 5

ICE Folder Name: ITT SEMI. WORLDWIDE (ACQUISITION) P/Q #1521, 1972
Content Summary: A program to enter the MOS market

Box 17 (Series 16), Folder 6

ICE Folder Name: LOCKHEED ELECTRONICS (FAILURE ANALYSIS) P/Q #1524, 1972
Content Summary: Hybrid manufacturing process for negative logic modules

Box 17 (Series 16), Folder 7

ICE Folder Name: owens-illinois technical center, 1973
Content Summary: Final report package reliability study

Box 17 (Series 16), Folder 8

ICE Folder Name: LOCKHEED ELECTRONICS (PROCESS REVIEW), 1972
Content Summary: Negative logic modules

Box 17 (Series 16), Folder 9

ICE Folder Name: XCITRON (MKTG/PCKG CONSULTING) P/Q #1519, 1971
Content Summary: 5 digit numeric display physically interchangeable with H- P's

Box 17 (Series 16), Folder 10

ICE Folder Name: XCITRON (MKTG/PCKG CONSULTING) P/Q #1519, 1972
Content Summary: Electronic calculator model 1681, digital display-comparison and review
Box 17 (Series 16), Folder 11

Box 17, Folder 11, ICE Project Number 755Cc

ICE Folder Name: XCITRON (MKTG/PCKG CONSULTING) P/Q #1519, 1972
Content Summary: A program to enter the LED market

Box 17 (Series 16), Folder 12

Box 17, Folder 12, ICE Project Number 757
ICE Folder Name: DESIGN & APPLICATION FROM NELC IN: SAN DIEGO JANUARY 31-FEBRUARY 4

Box 17 (Series 16), Folder 13

Box 17, Folder 13, ICE Project Number 761

ICE Folder Name: WESTERN DIGITAL (TAPER SI. PROCESSING) P/Q #1531, 1972
Content Summary: Silicon gate processing technology

Box 17 (Series 16), Folder 14

Box 17, Folder 14, ICE Project Number 762C

ICE Folder Name: HALLICRAFTERS COMPANY, 1972
Content Summary: Short study of requirements and problems of various system assembly approaches

Box 17 (Series 16), Folder 15

Box 17, Folder 15, ICE Project Number 763

ICE Folder Name: MEMOREX CORPORATION, 1972
Content Summary: Plastic vs. ceramic packages

Box 17 (Series 16), Folder 16

Box 17, Folder 16, ICE Project Number 764

ICE Folder Name: PLEXUS, INC., 1973
Content Summary: Sale of basic storage module program

Box 18 (Series 16), Folder 1

Box 18, Folder 1, ICE Project Number 766

ICE Folder Name: G.S. GRUMMAN & ASSOCIATES, INC.
Content Summary: Presentation For G.S. Grumman & Associates, Inc.; March 21, 1972 "Forecasts For the Integrated circuit Business"

Box 18 (Series 16), Folder 2

Box 18, Folder 2, ICE Project Number 768

ICE Folder Name: SpeedCall corporation, 1970
Content Summary: Report for Speedcall Corporation April 11, 1972
"Techniques of Tone detection Feasibility Study", P.O.#12557 (include: Speedcall's publication Models #R511, W511 & 514)

Box 18 (Series 16), Folder 3
Box 18, Folder 3, ICE Project Number 771
ICE Folder Name: Chestel, inc. 1972
Content Summary: MOS partitioning (March 14, 1972 PNPs for breadboarding)

Box 18 (Series 16), Folder 4
Box 18, Folder 4, ICE Project Number 772
ICE Folder Name: Fairchild (annual market consult.) P/q#1541, 1972
Content Summary: The semiconductor memory market

Box 18 (Series 16), Folder 5
Box 18, Folder 5, ICE Project Number 773
ICE Folder Name: owens-illois task ix, 1972
Content Summary: Layout of horizontal driver

Box 18 (Series 16), Folder 6
Box 18, Folder 6, ICE Project Number 778
ICE Folder Name: ITT
Content Summary: ICE Confidential April 3&4, 1972 New Business Resources, MOTOROLA/MOSTEC etc., Correspondence -- MOS Study, "Integrated Circuit Engineering Report A PROGRAM TO ENTER THE MOS MARKET"

Box 18 (Series 16), Folder 7
Box 18, Folder 7, ICE Project Number 781
ICE Folder Name: TAft-peirce manufacturing company, 1972
Content Summary: A Survey on the Separation of Semiconductor Wafers, May 1972

Box 18 (Series 16), Folder 8
Box 18, Folder 8, ICE Project Number 782
ICE Folder Name: ibm - manassas (seminar) P/Q#1539, 1972
Content Summary: Purchase order

Box 18 (Series 16), Folder 9
Box 18, Folder 9, ICE Project Number 784
ICE Folder Name: Philip, appel, and walden
Content Summary: "Technological Evaluation of Spectronics present in optical electronics field", April 18, 1972

Box 18 (Series 16), Folder 10

ICE Folder Name: us navy-undersea R&D center technician Seminar
Content Summary: Sept. 28, 1972 include: Certificates from ICE

Box 18 (Series 16), Folder 11

ICE Folder Name: Chestle
Content Summary: "AC v DC flip-flops", include: expenses, overrides, prints, correspondence, opinions

Box 18 (Series 16), Folder 12

ICE Folder Name: delco electronics/grm trip folder 5/1/72
Content Summary: "A Study of N-Channel MOS As Applied To An Airborne Computer" May 1972

Box 18 (Series 16), Folder 13

ICE Folder Name: tempress industries, inc.
Content Summary: "The Market For Semiconductor Mask Aligning Equipment", May 1972

Box 18 (Series 16), Folder 14

ICE Folder Name: itt/creed & Co.; stl, ltd., 1972
Content Summary: Preliminary design for the receiver/ reader and punch chip-Also includes: correspondence- Standard Telecommunication Laboratories, Ltd.

Box 18 (Series 16), Folder 15

ICE Folder Name: speedcall proj.796
Content Summary: Bread boarding one row, one column of a touch tone receiver utilizing "mixer scheme", 1972

Box 18 (Series 16), Folder 16

ICE Folder Name: allen-bradley company
Page 96 of 318

Content Summary: "An Assessment on MOS Technology, Inc." June 1972

Box 18 (Series 16), Folder 17
Box 18, Folder 17, ICE Project Number 802
ICE Folder Name: cermetek, Inc. chip processing p/q#1561
Content Summary: Investigation of Qualidyne using Cermetek's 1150, 52, 60, and 62 MASKS

Box 18 (Series 16) Box 18, Folder 17, ICE Project Number 803
ICE Folder Name: cermetek, Inc. chip processing p/q#1561
Content Summary: Investigation of Qualidyne using Cermetek's 1150, 52, 60, and 62 MASKS

Box 18 (Series 16) Box 18, Folder 17, ICE Project Number 804
ICE Folder Name: cermetek, Inc. chip processing p/q#1561
Content Summary: Investigation of Qualidyne using Cermetek's 1150, 52, 60, and 62 MASKS

Box 18 (Series 16) Box 18, Folder 17, ICE Project Number 805
ICE Folder Name: cermetek, Inc. chip processing p/q#1561
Content Summary: Investigation of Qualidyne using Cermetek's 1150, 52, 60, and 62 MASKS

Box 18 (Series 16), Folder 18
Box 18, Folder 18, ICE Project Number 807
ICE Folder Name: itt (england) p/q#1551, (moslsi chip development), 1972
Content Summary: A23 LSI project-simulation program at ICE Phoenix

Box 18 (Series 16), Folder 19
Box 18, Folder 19, ICE Project Number 808
ICE Folder Name: custom Isi, rca
Content Summary: *Approaches to Bipolar Custom LSI 1972

Box 19 (Series 16), Folder 1
Box 19, Folder 1, ICE Project Number 813
ICE Folder Name: primary medical communications
Content Summary: Includes: dialog on voltage controlled analog delay line, making a single chip 5u sec delay line w/2.5MHz bandwidth., 1972
<table>
<thead>
<tr>
<th>Box 19 (Series 16), Folder 2</th>
<th>Box 19, Folder 2, ICE Project Number 814</th>
</tr>
</thead>
<tbody>
<tr>
<td>ICE Folder Name: motorola, spd (tech. review) p/q#1560</td>
<td></td>
</tr>
<tr>
<td>Content Summary: &quot;Review of Silicon Gate Processing Technology&quot;, Feb. 1972</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Box 19 (Series 16), Folder 3</th>
<th>Box 19, Folder 3, ICE Project Number 815</th>
</tr>
</thead>
<tbody>
<tr>
<td>ICE Folder Name: honeywell, 1972</td>
<td></td>
</tr>
<tr>
<td>Content Summary: Presentation material CMOS, LSI, radar- various presentations</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Box 19 (Series 16), Folder 4</th>
<th>Box 19, Folder 4, ICE Project Number 816</th>
</tr>
</thead>
<tbody>
<tr>
<td>ICE Folder Name: automatic electric laboratories, 1972</td>
<td></td>
</tr>
<tr>
<td>Content Summary: Future trends for large semiconductor memory arrays</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Box 19 (Series 16), Folder 5</th>
<th>Box 19, Folder 5, ICE Project Number 823</th>
</tr>
</thead>
<tbody>
<tr>
<td>ICE Folder Name: rf transistor</td>
<td></td>
</tr>
<tr>
<td>Content Summary: John Azlant- Qualidyne file letter and RF Power, Inc.-&quot;RF Power, Inc. Investment proposal&quot;, August 1972</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Box 19 (Series 16), Folder 6</th>
<th>Box 19, Folder 6, ICE Project Number 824</th>
</tr>
</thead>
<tbody>
<tr>
<td>ICE Folder Name: i.s.t.</td>
<td></td>
</tr>
<tr>
<td>Content Summary: Specifications 131 Kilobyte Expandable Basic Storage Module With Error Correction, 28 August 1972</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Box 19 (Series 16), Folder 7</th>
<th>Box 19, Folder 7, ICE Project Number 826</th>
</tr>
</thead>
<tbody>
<tr>
<td>ICE Folder Name: western digital corporation</td>
<td></td>
</tr>
<tr>
<td>Content Summary: A review of Silicon Gate processing Technology, Feb 1972</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Box 19 (Series 16), Folder 8</th>
<th>Box 19, Folder 8, ICE Project Number 830</th>
</tr>
</thead>
<tbody>
<tr>
<td>ICE Folder Name: hif (phoenix) (mos Supplier survey) p/q#1565, 1972</td>
<td></td>
</tr>
<tr>
<td>Content Summary: Prepared for Honeywell: MOS and Bi-Polar</td>
<td></td>
</tr>
</tbody>
</table>
Box 19 (Series 16), Folder 9

ICE Folder Name: honeywell
Content Summary: Audit of the IMUEE program and a review of Hybrid IC Facility, October 13, 1972

Box 19 (Series 16), Folder 10

ICE Folder Name: north Electric company
Content Summary: Subject: Tri Tac, J-FET Crosspoint Switch Evaluation, 1972

Box 19 (Series 16), Folder 11

ICE Folder Name: itt, ignition system
Content Summary: Task Force VIII-study of electronic ignition systems

Box 19 (Series 16), Folder 12

ICE Folder Name: dickson EElectronics
Content Summary: Customer supplied photomasks, to determine the overall quality of the photomasks and probable causes and solutions to any defects, 1972-73

Box 19 (Series 16), Folder 13

ICE Folder Name: allen-bradley (mos tech. consulting) p/q#1600
Content Summary: Study for the potential for the calculator market

Box 19 (Series 16), Folder 14

ICE Folder Name: general electric, 1973
Content Summary: A study on integrated circuits-noted: HP successfully exploited in 8 years monolithic integrated circuits

Box 19 (Series 16), Folder 15

ICE Folder Name: reliance electric (annual consulting) p/q#1589 Custom LSI prog. review, 1973

Box 19 (Series 16), Folder 16

ICE Folder Name: fleet missile systems (seminar) Jan. 12, 1973, p/q#1594
<table>
<thead>
<tr>
<th>Box 20 (Series 16), Folder 1</th>
<th>Box 20, Folder 1, ICE Project Number 862</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>ICE Folder Name: itt Semiconductors, 1973</td>
</tr>
<tr>
<td></td>
<td>Content Summary: Review of light [sic] limiting diode market, re: Zener, bipolar memory</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Box 20 (Series 16), Folder 2</th>
<th>Box 20, Folder 2, ICE Project Number 863a</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>ICE Folder Name: itt Electron tube division, erie</td>
</tr>
<tr>
<td></td>
<td>Content Summary: Report(case no. 6320) on electron beam semiconductor IR&amp;U program</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Box 20 (Series 16), Folder 3</th>
<th>Box 20, Folder 3, ICE Project Number 863b</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>ICE Folder Name: itt electron tube division</td>
</tr>
<tr>
<td></td>
<td>Content Summary: Power sources for microwave ovens</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Box 20 (Series 16), Folder 4</th>
<th>Box 20, Folder 4, ICE Project Number 864</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>ICE Folder Name: honeywell aerospace and defense group (agena Rocket) (Guidence system), 1973</td>
</tr>
<tr>
<td></td>
<td>Content Summary: Failure of 930 DTL integrated circuits manufacturing by Raytheon date code:6496</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Box 20 (Series 16), Folder 5</th>
<th>Box 20, Folder 5, ICE Project Number 865</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>ICE Folder Name: antex</td>
</tr>
<tr>
<td></td>
<td>Content Summary: Investigation of processing MD-1001-B MASKS</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Box 20 (Series 16), Folder 6</th>
<th>Box 20, Folder 6, ICE Project Number 866</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>ICE Folder Name: itt creed, 1973</td>
</tr>
<tr>
<td></td>
<td>Content Summary: A23 teleprinter-MOS circuits- catastrophic metal spacing in rubylith</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Box 20 (Series 16), Folder 7</th>
<th>Box 20, Folder 7, ICE Project Number 867</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>ICE Folder Name: ICE Evaluation of general semiconductor industries, 1973</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Box 20 (Series 16), Folder 8</th>
<th>Box 20, Folder 8, ICE Project Number 868a</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>ICE Folder Name: mos technologies display driver circuits, 1973</td>
</tr>
</tbody>
</table>
Content Summary: Sharp Calculator, EL-805

Box 20 (Series 16), Folder 9
Box 20, Folder 9, ICE Project Number 868b
ICE Folder Name: ice world wide market for pocket calculators/desk top calculators, 1973

Box 20 (Series 16), Folder 10
Box 20, Folder 10, ICE Project Number 868c
ICE Folder Name: ice world wide market for pocket calculators/desk top calculators, 1973

Box 20 (Series 16), Folder 11
Box 20, Folder 11, ICE Project Number 870
ICE Folder Name: proposal to motorola to establish a new mos processing facility, 1973

Box 20 (Series 16), Folder 12
Box 20, Folder 12, ICE Project Number 872
ICE Folder Name: bowmar panaplex, 1973

Box 20 (Series 16), Folder 13
Box 20, Folder 13, ICE Project Number 873
ICE Folder Name: nrmec/870
Content Summary: Discussions on the ELECTRONIC SLIDE RULE

Box 20 (Series 16), Folder 14
Box 20, Folder 14, ICE Project Number 878
ICE Folder Name: bowman seminar, 1973
Content Summary: attendees

Box 20 (Series 16), Folder 15
Box 20, Folder 15, ICE Project Number 880
ICE Folder Name: integrated circuit packaging, technology market assesment, 1973

Box 20 (Series 16), Folder 16
Box 20, Folder 16, ICE Project Number 881
ICE Folder Name: collins radio (mos seminar) p/q#1617, 1973

Box 21 (Series 16), Folder 1
Box 21, Folder 1, ICE Project Number 882a
ICE Folder Name: itt analysis of various automotive systems, 1973
Content Summary: Monolithic four layer diode, correspondence.

Box 21 (Series 16), Folder 2
Box 21, Folder 2, ICE Project Number 882b
ICE Folder Name: acquisition study for automotive electronic skills, 1973
Content Summary: Includes Dun & Bradstreet business reports
Box 21 (Series 16), Folder 3
Box 21, Folder 3, ICE Project Number 882c

ICE Folder Name: appendix I, dun&breadstreet reports, 1973
Content Summary: In-depth $ to bio sketches

Box 21 (Series 16), Folder 4
Box 21, Folder 4, ICE Project Number 882d

ICE Folder Name: appendix iii literature, 1973
Content Summary: Guide to automotive tune up & service equipment

Box 21 (Series 16), Folder 5
Box 21, Folder 5, ICE Project Number 882e

ICE Folder Name: correspondance, 1973
Content Summary: Merger & Control of Western Controls by ITT

Box 21 (Series 16), Folder 6
Box 21, Folder 6, ICE Project Number 883

ICE Folder Name: northern electric, 1973
Content Summary: Cross-point switch program RADC (Rome Air Development Center)

Box 21 (Series 16), Folder 7
Box 21, Folder 7, ICE Project Number 886

ICE Folder Name: p/q#1622 reliance electric, 1973
Content Summary: MOS Training

Box 21 (Series 16), Folder 8
Box 21, Folder 8, ICE Project Number 888a

ICE Folder Name: fleet missile, 1973
Content Summary: FBM Integrated Circuit Processing Indoctrination & Evaluation

Box 21 (Series 16), Folder 9
Box 21, Folder 9, ICE Project Number 888b

ICE Folder Name: fleet missile systems, 1973
Content Summary: Navy Corona Manual, microcircuit probes-DIP feeder

Box 21 (Series 16), Folder 10
Box 21, Folder 10, ICE Project Number 890

ICE Folder Name: bowmar, 1973
Content Summary: Direct drive chip utilizing a on- chip PNP transistor - MOS development

Box 21 (Series 16), Folder 11
Box 21, Folder 11, ICE Project Number 894D
ICE Folder Name: bowmar, 1973
Content Summary: IFD segment driver

Box 21 (Series 16), Folder 12
Box 21, Folder 12, ICE Project Number 895D
ICE Folder Name: bowmar, 1973
Content Summary: IFD 5020 segment driver

Box 21 (Series 16), Folder 13
Box 21, Folder 13, ICE Project Number 898
ICE Folder Name: Ic technology, 1973
Content Summary: Attendees

Box 21 (Series 16), Folder 14
Box 21, Folder 14, ICE Project Number 899C
ICE Folder Name: Mos evaluation, 1973
Content Summary:

Box 21 (Series 16), Folder 15
Box 21, Folder 15, ICE Project Number 902
ICE Folder Name: bowmar seminar, 1973
Content Summary: TECHNOVATION's invention patent #3,728,694 - memory

Box 21 (Series 16), Folder 16
Box 21, Folder 16, ICE Project Number 903
ICE Folder Name: trw, 1973
Content Summary: Rubylith for 7493, 74123, 74180, 74152, 7489, etc.

Box 21 (Series 16), Folder 17
Box 21, Folder 17, ICE Project Number 904
ICE Folder Name: xerox consulting p/q#1632
Content Summary: A review of PROM Requirements for the TAURUS COMPUTER (LSI chip (a PROM) and the alternative strategies developed to overcome problems)
Box 22 (Series 16), Folder 1
Box 22, Folder 1, ICE Project Number 906a
ICE Folder Name: prospectus & reports, 1972
Content Summary: Prospectus for MOS technology

Box 22 (Series 16), Folder 2
Box 22, Folder 2, ICE Project Number 906b
ICE Folder Name: prospectus & Reports, 1973
Content Summary: Correspondence

Box 22 (Series 16), Folder 3
Box 22, Folder 3, ICE Project Number 907a
ICE Folder Name: status 74, 1974
Content Summary: Status 1973 Report

Box 22 (Series 16), Folder 4
Box 22, Folder 4, ICE Project Number 907b
ICE Folder Name: status 74, 1973
Content Summary: The integrated circuit business picture

Box 22 (Series 16), Folder 5
Box 22, Folder 5, ICE Project Number 907c
ICE Folder Name: status 74, 1974
Content Summary: Status of integrated circuits 1970

Box 22 (Series 16), Folder 5
Box 22, Folder 5, ICE Project Number 907c
ICE Folder Name: status 74, 1974
Content Summary: Status of integrated circuits 1970

Box 22 (Series 16), Folder 6
Box 22, Folder 6, ICE Project Number 907d
ICE Folder Name: status 74, 1974
Content Summary: Status of integrated circuits midyear 1971

Box 22 (Series 16), Folder 7
Box 22, Folder 7, ICE Project Number 907e
ICE Folder Name: status 74, 1974
Content Summary: Good outlook for the 1974 year for circuit industry
Box 22 (Series 16), Folder 8
ICE Folder Name: Collins Radio- Annual consulting p/q #1628, 1974
Content Summary: CMOS SOS-1024 bit RAM

Box 22 (Series 16), Folder 9
ICE Folder Name: ITT/Nutley-MOS SEminar, 1973
Content Summary: Custom MOS design program

Box 22 (Series 16), Folder 10
ICE Folder Name: Magnavox-custom lsi torrance, Ca pq #1658, 1973
Content Summary: Visit to Magnavox research lab-do it yourself LSI chip

Box 22 (Series 16), Folder 11
ICE Folder Name: stanford memories p/q #1650, 1973
Content Summary: Outline for 1 week class seminar for RAM

Box 22 (Series 16), Folder 12
ICE Folder Name: trw p/q #1646, 1973
Content Summary: Status report on the layout of the two series circuits for TRW
Box 22 (Series 16)  Box 22, Folder 12, ICE Project Number 917

ICE Folder Name: trw p/q #1646, 1973
Content Summary: Status report on the layout of the two series circuits for TRW

Box 22 (Series 16), Folder 12  Box 22, Folder 12, ICE Project Number 924

ICE Folder Name: trw p/q #1646, 1973
Content Summary: Status report on the layout of the two series circuits for TRW

Box 22 (Series 16)  Box 22, Folder 12, ICE Project Number 930

ICE Folder Name: trw p/q #1646, 1973
Content Summary: Status report on the layout of the two series circuits for TRW

Box 22 (Series 16)  Box 22, Folder 12, ICE Project Number 931

ICE Folder Name: trw p/q #1646, 1973
Content Summary: Status report on the layout of the two series circuits for TRW

Box 22 (Series 16), Folder 13  Box 22, Folder 13, ICE Project Number 928

ICE Folder Name: xerox, 1973
Content Summary: Emphasis- LSI microelectronics

Box 22 (Series 16)  Box 22, Folder 14, ICE Project Number 929

ICE Folder Name: Naval Electronics Laboratory center, 1973
Content Summary: Technical briefing on the commercial telecommunications industry

Box 23 (Series 16), Folder 1  Box 23, Folder 1, ICE Project Number 936

ICE Folder Name: HAllicrafters Co., 1974
Content Summary: Collins LSI-Process & MASK changes

Box 23 (Series 16), Folder 2  Box 23, Folder 2, ICE Project Number 939

ICE Folder Name: itt, 1973
Content Summary: Consulting on the 1103-1024-Bit RAM

Box 23 (Series 16), Folder 3

Box 23, Folder 3, ICE Project Number 941

ICE Folder Name: itt/teves
Content Summary: Anti skid MOS

Box 23 (Series 16), Folder 4

Box 23, Folder 4, ICE Project Number 943 (?)a

ICE Folder Name: rauscher pierce (Mr. paul hogan), 1979
Content Summary: Release of all corporate notes, work papers, of ICE's investigation of Electronic Arrays, Inc.

Box 23 (Series 16), Folder 5

Box 23, Folder 5, ICE Project Number 943b

ICE Folder Name: rauscher-pierce, 1974
Content Summary: A report on electronic arrays, History of Calculator "Micro-Compet"

Box 23 (Series 16), Folder 6

Box 23, Folder 6, ICE Project Number 947

ICE Folder Name: Bowmar, 1974
Content Summary: Thin film Tungsten Matrix display, video display using Sinclair tester and Bowmar tube, electronic lock

Box 23 (Series 16), Folder 7

Box 23, Folder 7, ICE Project Number 949

ICE Folder Name: report on task xii, 1973
Content Summary: National Semiconductor with Owens- Texas Instruments high voltage driver circuits

Box 23 (Series 16), Folder 8

Box 23, Folder 8, ICE Project Number 950

ICE Folder Name: itt semiconductors
Content Summary: 1103 investigation correspondence

Box 23 (Series 16), Folder 9

Box 23, Folder 9, ICE Project Number 951

ICE Folder Name: tech seminar iii- troubleshooting
Content Summary: Solid state circuits, class schedule & attendance list
Box 23 (Series 16), Folder 10
ICE Folder Name: itt ny skid control p/q #1662, 1973
Content Summary: Proposal for anti-skid II CMOS

Box 23 (Series 16), Folder 11
ICE Folder Name: control data, 1973
Content Summary: Review of a joint manufacturing project

Box 23 (Series 16), Folder 12
ICE Folder Name: control data, 1973
Content Summary: Joint semiconductor manufacturing project

Box 23 (Series 16), Folder 13
ICE Folder Name: control data, 1973
Content Summary: Correspondence

Box 23 (Series 16), Folder 14
ICE Folder Name: control data p/q #1653, 1973
Content Summary: Critique on business plan, multinational semiconductor company

Box 23 (Series 16), Folder 15
ICE Folder Name: ITT, NY-CAse 10,115 P/q #1673. 1973
Content Summary: Consulting-automotive task force VIII

Box 23 (Series 16), Folder 16
ICE Folder Name: purchasing seminar-scm p/q #1676, 1973
Content Summary: Purchasing of LSI memory circuits

Box 23 (Series 16), Folder 17
ICE Folder Name: Lyon & Lyon reverse engineering of intel 2816, 1981

Box 23 (Series 16), Folder 18
<table>
<thead>
<tr>
<th>Box 23 (Series 16), Folder 19</th>
<th>Box 23, Folder 19, ICE Project Number 961</th>
</tr>
</thead>
<tbody>
<tr>
<td>ICE Folder Name: basic technology seminar, 1973</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Box 23 (Series 16), Folder 20</th>
<th>Box 23, Folder 20, ICE Project Number 963</th>
</tr>
</thead>
<tbody>
<tr>
<td>ICE Folder Name: itt-new york p/q #1674, 1974</td>
<td></td>
</tr>
<tr>
<td>Content Summary: MOS production line bids- including MASKS</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Box 24 (Series 16), Folder 1</th>
<th>Box 24, Folder 1, ICE Project Number 964</th>
</tr>
</thead>
<tbody>
<tr>
<td>ICE Folder Name: amkor, 1974</td>
<td></td>
</tr>
<tr>
<td>Content Summary: Business plan for a silicon wafer processing joint venture to manufacture &amp; market integrated circuits</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Box 24 (Series 16), Folder 2</th>
<th>Box 24, Folder 2, ICE Project Number 965</th>
</tr>
</thead>
<tbody>
<tr>
<td>ICE Folder Name: dow corning corp.-i/c packaging p/q #1677, 1975</td>
<td></td>
</tr>
<tr>
<td>Content Summary: Financial records re: ICE</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Box 24 (Series 16), Folder 3</th>
<th>Box 24, Folder 3, ICE Project Number 966</th>
</tr>
</thead>
<tbody>
<tr>
<td>ICE Folder Name: itt footscray, 1974</td>
<td></td>
</tr>
<tr>
<td>Content Summary: Aluminum etch process for monolithic silicon IC's</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Box 24 (Series 16), Folder 4</th>
<th>Box 24, Folder 4, ICE Project Number 967</th>
</tr>
</thead>
<tbody>
<tr>
<td>ICE Folder Name: ic technology-singer, Ny p/q #1681, 1974</td>
<td></td>
</tr>
<tr>
<td>Content Summary: IC task force preliminary conclusions</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Box 24 (Series 16), Folder 5</th>
<th>Box 24, Folder 5, ICE Project Number 968</th>
</tr>
</thead>
<tbody>
<tr>
<td>Content Summary: Agreement for annual consultant services between Microsemiconductors Inc. and ICE, 1974</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Box 24 (Series 16), Folder 6</th>
<th>Box 24, Folder 6, ICE Project Number 970</th>
</tr>
</thead>
<tbody>
<tr>
<td>Content Summary: Radio frequency susceptibility investigation study- Naval Electronics Laboratory Center D.I.D.</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Box 24 (Series 16), Folder 7</th>
<th>Box 24, Folder 7, ICE Project Number 971</th>
</tr>
</thead>
<tbody>
<tr>
<td>ICE Folder Name: north electric Company p/q #1670, 1974</td>
<td></td>
</tr>
</tbody>
</table>
Content Summary: Purchase order and correspondence

Box 24 (Series 16), Folder 8
Box 24, Folder 8, ICE Project Number 972
ICE Folder Name: eastman kodak company-spec. seminar p/q #1668A, 1974
Content Summary: Preliminary impressions of semiconductor

Box 24 (Series 16), Folder 9
Box 24, Folder 9, ICE Project Number 974
ICE Folder Name: trw, 1974
Content Summary: Voltage test information for wafers Z-74180 & Z-74151

Box 24 (Series 16), Folder 10
Box 24, Folder 10, ICE Project Number 975a
ICE Folder Name: navy-fusible link rom's, 1974
Content Summary: Reliability of fusible link programmable read - only memory

Box 24 (Series 16), Folder 11
Box 24, Folder 11, ICE Project Number 975b
ICE Folder Name: fleet missile systems fusible link proms p/q #1690, 1974

Box 24 (Series 16), Folder 12
Box 24, Folder 12, ICE Project Number 975c
ICE Folder Name: navy-fusible link prom's p/q #1690
Content Summary: Invoices from Arrowhead press for printing guide manual III

Box 24 (Series 16), Folder 13
Box 24, Folder 13, ICE Project Number 976a
ICE Folder Name: NEC, 1974
Content Summary: Control & detection network - circuit prints (originals)

Box 24 (Series 16), Folder 14
Box 24, Folder 14, ICE Project Number 976b
ICE Folder Name: nec, 1974
Content Summary: Cross point transistors - junction field effect J-FETS

Box 24 (Series 16), Folder 15
Box 24, Folder 15, ICE Project Number 977a
ICE Folder Name: Louay sharif mos co. north american rockwell corporation p/q #1695, 1973
Content Summary: Five year plan for microelectronics 1969-1973

Box 25 (Series 16), Folder 1
Box 25, Folder 1, ICE Project Number 977b

ICE Folder Name: new business plan, 1974
Content Summary: MOS plan-manufacturing

Box 25 (Series 16), Folder 2
Box 25, Folder 2, ICE Project Number 977c

ICE Folder Name: louay sharif cmos aquistion, 1974
Content Summary: Correspondence

Box 25 (Series 16), Folder 3
Box 25, Folder 3, ICE Project Number 978

ICE Folder Name: open bt seminar, 1974
Content Summary: Engineering technology-seminar attendees

Box 25 (Series 16), Folder 4
Box 25, Folder 4, ICE Project Number 979a

ICE Folder Name: 1103 update, 1973
Content Summary: Report 7356 818-1 #216872 Product Analysis - MOS fully loaded random access 1024 bit dynamic memory circuits from (ICE) manufacturers

Box 25 (Series 16), Folder 5
Box 25, Folder 5, ICE Project Number 979b

ICE Folder Name: 1103 update, 1972
Content Summary: A survey of MOS supplies-special report for Honeywell Information Systems, Inc.

Box 25 (Series 16), Folder 6
Box 25, Folder 6, ICE Project Number 979c

ICE Folder Name: 1103 update, 1968
Content Summary: A report for ICE in thick oxide MOS processing

Box 25 (Series 16), Folder 7
Box 25, Folder 7, ICE Project Number 979d

ICE Folder Name: 1103 update, 1972
Content Summary: Technical articles

Box 25 (Series 16), Folder 8

Box 25, Folder 8, ICE Project Number 979e

ICE Folder Name: 1103 update & 1103-1 proposal, 1974
Content Summary: Process notes and submaster MASK with possible troubleshooting

Box 25 (Series 16), Folder 9

Box 25, Folder 9, ICE Project Number 979f

ICE Folder Name: 1103 update, 1972
Content Summary: Surface State charge enhancement and control in P-Channel MOS devices

Box 25 (Series 16), Folder 10

Box 25, Folder 10, ICE Project Number 979g

ICE Folder Name: 1103 update, 1974
Content Summary: Offer of product analysis on the 1103, optimized silicon gate process for boroughs

Box 25 (Series 16), Folder 11

Box 25, Folder 11, ICE Project Number 980a
ICE Folder Name: stewart warner ttl processing notes p/q# 1700, 1969

Box 25 (Series 16), Folder 12

Box 25, Folder 12, ICE Project Number 980b
ICE Folder Name: stewart-warner, 1974
Content Summary: Correspondence - High yield- low voltage c/MOS process

Box 25 (Series 16), Folder 13

Box 25, Folder 13, ICE Project Number 981
ICE Folder Name: Bowmar, 1974
Content Summary: Correspondence

Box 25 (Series 16), Folder 14

Box 25, Folder 14, ICE Project Number 982
ICE Folder Name: Eastman kodak, 1974
Content Summary: LSI Custom Design Program Contract (Vendor Order #991)

Box 25 (Series 16), Folder 15

Box 25, Folder 15, ICE Project Number 983a
<table>
<thead>
<tr>
<th>Folder Name</th>
<th>Content Summary</th>
</tr>
</thead>
<tbody>
<tr>
<td>kanematsu Semiconductor, 1974</td>
<td>Intel Dual 100 BIT Dynamic shift register &amp; photograph layers, 1103 Intel</td>
</tr>
<tr>
<td>kanematsu, 1974</td>
<td>1103-1024 BIT PMOS RAM correspondence, Intel research</td>
</tr>
<tr>
<td>electro corp, 1974</td>
<td>Transducer Circuit Analysis,</td>
</tr>
<tr>
<td>king radio corporation, 1974</td>
<td>A custom MOS design</td>
</tr>
<tr>
<td>king radio corporation, 1974</td>
<td>Custom MOS design - American Microsystems</td>
</tr>
<tr>
<td>Philco ford, P/q# 1711, 1974</td>
<td>Consulting on CMOS failure mode</td>
</tr>
<tr>
<td>Agreement for consulting services - Magnavox, 1974</td>
<td></td>
</tr>
<tr>
<td>Magnavox - 8 drawings of chip layout &amp; work contracts</td>
<td></td>
</tr>
</tbody>
</table>
ICE Folder Name: quantrad, 1974
Content Summary: ICE consulting services agreement

Box 27 (Series 16), Folder 1
Box 27, Folder 1, ICE Project Number 989a

ICE Folder Name: Martin-marietta, 1974
Content Summary: Agreement for consulting services

Box 27 (Series 16), Folder 2
Box 27, Folder 2, ICE Project Number 989b

ICE Folder Name: Martin-marietta, 1974
Content Summary: Contamination Control In Hybrid Microelectronic Modules

Box 27 (Series 16)
Box 27, Folder 3, ICE Project Number 989c

ICE Folder Name: martin-marietta, 1972
Content Summary: Microelectronics Product Assurance Program

Box 27 (Series 16), Folder 4
Box 27, Folder 4, ICE Project Number 989d

ICE Folder Name: martin-marietta, 1974
Content Summary: Evaluation of Martin-Marietta's Microelectronics Activities

Box 27 (Series 16), Folder 5
Box 27, Folder 5, ICE Project Number 989e

ICE Folder Name: martin-marietta, 1974
Content Summary: Detailed listing of Companies offering services in the microelectronics field

Box 27 (Series 16), Folder 6
Box 27, Folder 6, ICE Project Number 989f

ICE Folder Name: martin-marietta, 1974
Content Summary: Contract for custom linear integrated circuit - to be called: LSI Guidance Processor

Box 27 (Series 16), Folder 7
Box 27, Folder 7, ICE Project Number 989g

ICE Folder Name: martin-marietta, 1974
Content Summary: Schematic: Decoder - Flight Sequencer
Box 27 (Series 16), Folder 8  
Box 27, Folder 8, ICE Project Number 989h

ICE Folder Name: martin-marietta, 1960's  
Content Summary: Time-line - 1600 to 1960 and IFD Frequency devices - and a hand sketch design butcher paper

Box 27 (Series 16), Folder 9  
Box 27, Folder 9, ICE Project Number 989i

ICE Folder Name: martin-marietta, 1974  
Content Summary: The file on Microelectronics Activities - in depth

Box 27 (Series 16), Folder 10  
Box 27, Folder 10, ICE Project Number 989* attachment

ICE Folder Name: us navy - fleet missile systems analysis & evaluation grp, 1974  
Content Summary: Task I, II, III nomenclature for the industry - "GIDEP" (*Note: No Project file # found)

Box 27 (Series 16), Folder 11  
Box 27, Folder 11, ICE Project Number 990a

Content Summary: Suggested coding procedures for the semiconductor category of the GIDEP coding index - special report, 1975

Box 27 (Series 16), Folder 12  
Box 27, Folder 12, ICE Project Number 990b

Content Summary: GIDEP Descriptor list review & semiconductor coding approach for Dynalelectron Corp., 1975

Box 27 (Series 16), Folder 13  
Box 27, Folder 13, ICE Project Number 990c

Content Summary: GIDEP Descriptor list review & semiconductor coding approach for Dynalelectron Corp., 1975

Box 27 (Series 16), Folder 14  
Box 27, Folder 14, ICE Project Number 990d

Content Summary: Guide descriptor list review & semiconductor coding approach for Dynalelectron Corp., 1975

Box 28 (Series 16), Folder 1  
Box 28, Folder 1, ICE Project Number 990e

Content Summary: Guide descriptor list review & semiconductor coding approach for Dynalelectron Corp., 1975

Box 28 (Series 16), Folder 2  
Box 28, Folder 2, ICE Project Number 991a

ICE Folder Name: eastman kodak, 1974  
Content Summary: Specifications for motor speed control circuit, (MSC-1)
<table>
<thead>
<tr>
<th>Folder and Box Details</th>
<th>Folder Details</th>
<th>ICE Project Number</th>
<th>ICE Folder Name</th>
<th>Content Summary</th>
</tr>
</thead>
<tbody>
<tr>
<td>Box 28 (Series 16),</td>
<td></td>
<td>991b</td>
<td>eastman kodak - Custom LSI design p/q#1692a, 1974</td>
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<tr>
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<td></td>
<td></td>
<td></td>
<td></td>
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<td></td>
<td>991c</td>
<td>eastman kodak p/q#1692a, 1974</td>
<td>Custom LSI design program - Revised</td>
</tr>
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<td>Folder 4</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Box 28 (Series 16),</td>
<td></td>
<td>991d</td>
<td>eastman kodak p/q#1692, 1974</td>
<td>Custom linear design seminar</td>
</tr>
<tr>
<td>Folder 5</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Box 28 (Series 16),</td>
<td></td>
<td>992</td>
<td>martin-marietta Washington, DC, 1974</td>
<td>Evaluation of Martin-Marietta microelectronics activities</td>
</tr>
<tr>
<td>Folder 6</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Box 28 (Series 16),</td>
<td></td>
<td>993</td>
<td></td>
<td>Agreement for consulting services with ITT, 1974</td>
</tr>
<tr>
<td>Folder 7</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Box 28 (Series 16),</td>
<td></td>
<td>994</td>
<td>eastman kodak - phase 3, 1974</td>
<td>Directives &amp; updates on the Eastman Kodak account</td>
</tr>
<tr>
<td>Folder 8</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
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<td></td>
<td>995a</td>
<td>Digital equipment corporation- failure analysis, p/q#1713, 1974</td>
<td></td>
</tr>
<tr>
<td>Folder 9</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Box 28 (Series 16),</td>
<td></td>
<td>995b</td>
<td>P/Q#1713</td>
<td>Failure analysis, 1974</td>
</tr>
<tr>
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<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Box 28 (Series 16),</td>
<td></td>
<td>995c</td>
<td>P/Q#1713</td>
<td>Failure analysis, 1974</td>
</tr>
<tr>
<td>Folder 11</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Box 28 (Series 16), Folder 12
Box 28, Folder 12, ICE Project Number 995d

ICE Folder Name: P/Q#1713
Content Summary: Failure analysis., 1974 Appears to be copies

Box 28 (Series 16), Folder 13
Box 28, Folder 13, ICE Project Number 995e

ICE Folder Name: fairchild fc400m data log decoding, 6380a, 1974
Content Summary: 4 BIT Bi-directional shift register

Box 29 (Series 16), Folder 1
Box 29, Folder 1, ICE Project Number 995f

ICE Folder Name: 6380A, 1964 to 1974
Content Summary: Chip layout & process Counters, flip-flops & decoders analysis

Box 29 (Series 16), Folder 2
Box 29, Folder 2, ICE Project Number 995g

ICE Folder Name: airpax - chip layout & process, 6380A, p/q#1516, 1974
Content Summary: Can burn-in cause problems as well as solve them? Includes 1974

Box 29 (Series 16), Folder 3
Box 29, Folder 3, ICE Project Number 995h

ICE Folder Name: Failure analysis data sheets, 1973
Content Summary: XREF *989, TYPE 7439, sample 209, Date code: 7348

Box 29 (Series 16), Folder 4
Box 29, Folder 4, ICE Project Number 995i

ICE Folder Name: failure analysis data sheets signetics, 1973
Content Summary: Type N7474 Sample 159, Date Code:7341

Box 29 (Series 16)
Box 29, Folder 5, ICE Project Number 995j

ICE Folder Name: failure analysis data sheets signetics, 1973
Content Summary: Type 6380A, Sample 211, Date Code:7326

Box 29 (Series 16), Folder 6
Box 29, Folder 6, ICE Project Number 995k

ICE Folder Name: failure analysis data sheets signetics, 1973
Content Summary: Type 6380A, Sample 210, Date Code:7326

Box 29 (Series 16), Folder 7
Box 29, Folder 7, ICE Project Number 995l
ICE Folder Name: failure analysis data sheets signetics, 1973
Content Summary: Type 8266, Sample 188, Date Code:7344

Box 29 (Series 16), Folder 8
Box 29, Folder 8, ICE Project Number 995m
ICE Folder Name: failure analysis data sheets signetics, 1973
Content Summary: Type 8266, Sample 215, Date Code:7344

Box 29 (Series 16), Folder 9
Box 29, Folder 9, ICE Project Number 995n
ICE Folder Name: Failure Analysis Data Sheets Texas Instruments, 1973
Content Summary: Type DEC5380, Sample 88, Date Code:7330

Box 29 (Series 16), Folder 10
Box 29, Folder 10, ICE Project Number 995o
ICE Folder Name: Failure Analysis Data Sheets Texas Instruments, 1973
Content Summary: Type SN740IN, Sample 248, Date Code:7323

Box 29 (Series 16), Folder 11
Box 29, Folder 11, ICE Project Number 995p
ICE Folder Name: Failure Analysis Data Sheets signetics, 1973
Content Summary: Type 6380-(7341), Sample 212, Date Code:7326

Box 29 (Series 16), Folder 12
Box 29, Folder 12, ICE Project Number 995q
ICE Folder Name: Failure Analysis Data Sheets signetics, 1973
Content Summary: Type 5380A, Sample 153, Date Code:7328

Box 29 (Series 16), Folder 13
Box 29, Folder 13, ICE Project Number 995r
ICE Folder Name: Failure Analysis Data Sheets signetics, 1973
Content Summary: Type 6380A, Sample 227, Date Code:7342

Box 29 (Series 16), Folder 14
Box 29, Folder 14, ICE Project Number 995s
ICE Folder Name: Failure Analysis Data Sheets Motorla, 1972
Content Summary: Type 8266, Sample 162, Date Code:7204

Box 29 (Series 16), Folder 15

Box 29, Folder 15, ICE Project Number 995t

ICE Folder Name: Failure Analysis Data Sheets signetics, 1973
Content Summary: Type 8266, Sample 242, Date Code:7332

Box 29 (Series 16), Folder 16

Box 29, Folder 16, ICE Project Number 995u

ICE Folder Name: Failure Analysis Data Sheets signetics, 1972
Content Summary: Type N7474A, Sample 18, Date Code:7223

Box 29 (Series 16), Folder 17

Box 29, Folder 17, ICE Project Number 995v

ICE Folder Name: Failure Analysis Data Sheets signetics, 1971
Content Summary: Type 6380A, Sample 302, Date Code:7140

Box 29 (Series 16), Folder 18

Box 29, Folder 18, ICE Project Number 995w

ICE Folder Name: Failure Analysis Data Sheets signetics, 1972
Content Summary: Type 6380 or 88, Sample 311, Date Code:7238

Box 29 (Series 16), Folder 19

Box 29, Folder 19, ICE Project Number 995x

ICE Folder Name: Failure Analysis Data Sheets signetics, 1973
Content Summary: Type 6380A, Sample 245, Date Code:7326

Box 29 (Series 16), Folder 20

Box 29, Folder 20, ICE Project Number 995y

ICE Folder Name: Failure Analysis Data Sheets Texas Instruments, 1971
Content Summary: Type SN74H11N, Sample 303, Date Code:7135

Box 29 (Series 16), Folder 21

Box 29, Folder 21, ICE Project Number 995z

ICE Folder Name: Failure Analysis Data Sheets Texas Instruments, 1972
Content Summary: Type SN7450N, Sample 154, Date Code:7235

Box 29 (Series 16), Folder 22

Box 29, Folder 22, ICE Project Number 995aa

ICE Folder Name: Failure Analysis Data Sheets signetics, 1973
Content Summary: Type N74194B, Sample 315, Date Code:7350

Box 29 (Series 16), Folder 23

Box 29, Folder 23, ICE Project Number 995bb

ICE Folder Name: Failure Analysis Data Sheets Texas Instruments, 1973
Content Summary: Type SN7401N, Sample 129, Date Code:7336

Box 29 (Series 16), Folder 24

Box 29, Folder 24, ICE Project Number 995cc

ICE Folder Name: Failure Analysis Data Sheets signetics, 1973
Content Summary: Type 8881, Sample 214, Date Code:7335

Box 29 (Series 16), Folder 25

Box 29, Folder 25, ICE Project Number 995dd

ICE Folder Name: Failure Analysis Data Sheets signetics, 1973
Content Summary: Type 6380A, Sample 35, Date Code:7341

Box 29 (Series 16), Folder 26

Box 29, Folder 26, ICE Project Number 995ee

ICE Folder Name: Failure Analysis Data Sheets Texas Instruments, 1973
Content Summary: Type SN7401N, Sample 130, Date Code:7336

Box 29 (Series 16), Folder 27

Box 29, Folder 27, ICE Project Number 995ff

ICE Folder Name: Failure Analysis Data Sheets, 1973
Content Summary: Type 8881 (7439), Sample 122, Date Code:7351

Box 29 (Series 16), Folder 28

Box 29, Folder 28, ICE Project Number 995gg

ICE Folder Name: Failure Analysis Data Sheets signetics, 1972
Content Summary: Type 8266, Sample 313, Date Code:7232

Box 29 (Series 16), Folder 29

Box 29, Folder 29, ICE Project Number 995hh

ICE Folder Name: Failure Analysis Data Sheets signetics, 1971
Content Summary: Type 384A, Sample 190, Date Code:7129

Box 29 (Series 16), Folder 30

Box 29, Folder 30, ICE Project Number 995ii

ICE Folder Name: Failure Analysis Data Sheets signetics, 1973
Content Summary: Type DM 7493 N, Sample 137, Date Code: [? 320]

Box 29 (Series 16), Folder 39

ICE Folder Name: failure analysis data sheets, signetics, 1973
Content Summary: Type N 7400 AH, Sample 96, Date Code: 7343

Box 29 (Series 16), Folder 40

ICE Folder Name: failure analysis data sheets, fairchild, 1973
Content Summary: Type 74153, Sample 257, Date Code: 7341

Box 29 (Series 16), Folder 41

ICE Folder Name: failure analysis data sheets, signetics, 1973
Content Summary: Type N 7400 AH, Sample 30, Date Code: 7343

Box 29 (Series 16), Folder 42

ICE Folder Name: Failure analysis data Sheets, Texas instruments, 1971
Content Summary: Type SN 7450 N, Sample 21, Date Code: 7148

Box 29 (Series 16), Folder 43

ICE Folder Name: failure analysis data sheets, signetics, 1973
Content Summary: Type 8266, Sample 263, Date Code: 7344

Box 29 (Series 16), Folder 44

ICE Folder Name: failure analysis data sheets, raytheon, 1973
Content Summary: Type 74194 MP, Sample 48, Date Code 7340

Box 29 (Series 16), Folder 45

ICE Folder Name: failure analysis data sheets, tennessee instruments, 1971
Content Summary: Type SN97401 (7401), Sample 327, Date Code: 7122A

Box 29 (Series 16), Folder 46

ICE Folder Name: failure analysis data sheets, Texas instruments, 1973
Content Summary: Type 74 H00, Sample 116, Date Code: 7322

Box 29 (Series 16), Folder 47

Box 29, Folder 47, ICE Project Number 995zz

ICE Folder Name: failure analysis data sheets, signetics, 1973
Content Summary: Type 8271, Sample 101, Date Code: 7328

Box 29 (Series 16), Folder 48

Box 29, Folder 48, ICE Project Number 995aaa

ICE Folder Name: Failure analysis data sheets, signetics, 1972
Content Summary: Type 8266, Sample 312, Date Code: 7232

Box 29 (Series 16), Folder 49

Box 29, Folder 49, ICE Project Number 995bbb

ICE Folder Name: failure analysis data sheets, signetics, 1972
Content Summary: Type 8266, Sample 314, Date Code: 7212

Box 29 (Series 16), Folder 50

Box 29, Folder 50, ICE Project Number 995ccc

ICE Folder Name: failure analysis data sheets, signetics, 1971
Content Summary: Type 8235, Sample 1, Date Code 7152

Box 29 (Series 16), Folder 51

Box 29, Folder 51, ICE Project Number 995ddd

ICE Folder Name: failure analysis data sheets signetics, 1971
Content Summary: Type 8235, Sample 2, Date Code: 7152

Box 29 (Series 16), Folder 52

Box 29, Folder 52, ICE Project Number 995eee

ICE Folder Name: failure analysis data sheets, harris, 1969
Content Summary: Type HSC 7420 A, Sample 228, Date Code: 6935

Box 29 (Series 16), Folder 53

Box 29, Folder 53, ICE Project Number 995fff

ICE Folder Name: failure analysis data sheets, signetics, 1973
Content Summary: Type 8271, Sample 320, Date Code: 7340

Box 29 (Series 16), Folder 54

Box 29, Folder 54, ICE Project Number 995ggg

ICE Folder Name: failure analysis data sheets, signetics, 1973
Content Summary: Type N 7474 AH, Sample 43, Date Code: 7341

Box 29 (Series 16), Folder 55
Box 29, Folder 55, ICE Project Number 995hhh

ICE Folder Name: failure analysis data sheets, signetics, 1973
Content Summary: Type 8235, Sample 319, Date Code: 7328

Box 29 (Series 16), Folder 56
Box 29, Folder 56, ICE Project Number 995iii

ICE Folder Name: failure analysis data sheets, fairchild, 1973
Content Summary: Type 9N041 7404, Sample 221, Date Code: 7305

Box 29 (Series 16), Folder 57
Box 29, Folder 57, ICE Project Number 995jjj

ICE Folder Name: failure analysis data sheets, signetics, 1973
Content Summary: Type 8235, Sample 318, Date Code: 7334

Box 29 (Series 16), Folder 58
Box 29, Folder 58, ICE Project Number 995kkk

ICE Folder Name: failure analysis data sheet, texas instruments, 1971
Content Summary: Type SN 7412 N, Sample 170, Date Code: 7134A

Box 30 (Series 16), Folder 1
Box 30, Folder 1, ICE Project Number 995lll

ICE Folder Name: failure analysis data sheets, texas instruments, 1971
Content Summary: Type SN 7412 N, Sample 193, Date Code: 7147A

Box 30 (Series 16), Folder 2
Box 30, Folder 2, ICE Project Number 995mmm

ICE Folder Name: failure analysis data sheets, National semiconductor
Content Summary: Type DM 74L54 N, Sample 265, Date Code: [?329]

Box 30 (Series 16), Folder 3
Box 30, Folder 3, ICE Project Number 995nnn

ICE Folder Name: failure analysis data sheets, signetics, 1973
Content Summary: Type 8266, Sample 262, Date Code: 7344

Box 30 (Series 16), Folder 4
Box 30, Folder 4, ICE Project Number 995ooo

ICE Folder Name: failure analysis data sheets, fairchild, 1973
Content Summary: Type DEC 9601, Sample 279, Date Code 7320

Box 30 (Series 16), Folder 5
Box 30, Folder 5, ICE Project Number 995ppp
ICE Folder Name: failure analysis data sheets, signetics, 1973
Content Summary: Type 8235, Sample 31, Date Code: 7334

Box 30 (Series 16), Folder 6
Box 30, Folder 6, ICE Project Number 995qqq
ICE Folder Name: failure analysis data sheets, signetics, 1972
Content Summary: Type 8271, Sample 80, Date Code: 7216

Box 30 (Series 16), Folder 7
Box 30, Folder 7, ICE Project Number 995rrr
ICE Folder Name: failure analysis data sheets, fairchild, 1973
Content Summary: Type 7405, Sample 114, Date Code: 7318

Box 30 (Series 16), Folder 8
Box 30, Folder 8, ICE Project Number 995sss
ICE Folder Name: failure analysis data sheets, texas instruments, 1972
Content Summary: Type SN 7412 N, Sample 171, Date Code: 7205

Box 30 (Series 16), Folder 9
Box 30, Folder 9, ICE Project Number 995ttt
ICE Folder Name: failure analysis data sheets, texas instruments, 1973
Content Summary: Type SN 74L54 N, Sample 266, Date Code: 7332A

Box 30 (Series 16), Folder 10
Box 30, Folder 10, ICE Project Number 995uuu
ICE Folder Name: failure analysis data sheets, signetics, 1973
Content Summary: Type 384A, Sample 14, Date Code: 7325

Box 30 (Series 16), Folder 11
Box 30, Folder 11, ICE Project Number 995vvv
ICE Folder Name: failure analysis data sheets, fairchild, 1973
Content Summary: Type 7486, Sample 240, Date Code: 7331

Box 30 (Series 16), Folder 12
Box 30, Folder 12, ICE Project Number 995www
ICE Folder Name: failure analysis data sheets, signetics, 1971
Content Summary: Type 6380A, Sample 323, Date Code: 7112

Box 30 (Series 16), Folder 13
Box 30, Folder 13, ICE Project Number 995xxx
ICE Folder Name: failure analysis data sheets, signetics, 1972
Content Summary: Type 8251, Sample 19, Date Code: 7230

Box 30 (Series 16), Folder 14
Box Folder 14, ICE Project Number 995yyy
ICE Folder Name: failure analysis data sheets, texas instruments, 1971
Content Summary: Type SN 97401 (SN 7401N), Sample 326, Date Code: 7117

Box 30 (Series 16), Folder 15
Box 30, Folder 15, ICE Project Number 995zzz
ICE Folder Name: failure analysis Data sheets, texas instruments, 1971
Content Summary: Type SN 97401 (SN 7401N), Sample 325, Date Code: 7117

Box 30 (Series 16), Folder 16
Box 30, Folder 16, ICE Project Number 995aaaa
ICE Folder Name: failure analysis data sheets, texas instruments, 1973
Content Summary: Type SN 7474 N, Sample 6, Date Code: 7305

Box 30 (Series 16), Folder 17
Box 30, Folder 17, ICE Project Number 995bbbb
ICE Folder Name: failure analysis data sheets, texas instruments, 1972
Content Summary: Type SN 74H87 N, Sample 163, Date Code: 7213

Box 30 (Series 16), Folder 18
Box 30, Folder 18, ICE Project Number 995cccc
ICE Folder Name: failure analysis data sheets, texas instruments, 1972
Content Summary: Type SN 74H87 N, Sample 4, Date Code: 7217

Box 30 (Series 16), Folder 19
Box 30, Folder 19, ICE Project Number 995dddd
ICE Folder Name: failure analysis data sheets, texas instruments, 1973
Content Summary: Type SN 7416 N, Sample 15, Date Code: 7335
Box 30 (Series 16), Folder 20

ICE Folder Name: failure analysis data sheets, signetics
Content Summary: Type 8881, Sample 264, Date Code: 7340

Box 30 (Series 16), Folder 21

ICE Folder Name: failure analysis, signetics, 1971
Content Summary: Type 6380A, Sample 324, Date Code: 7112

Box 30 (Series 16), Folder 22

ICE Folder Name: failure analysis, signetics, 1973
Content Summary: Type N 74194 B, Sample 268, Date Code: 7327

Box 30 (Series 16), Folder 23

ICE Folder Name: failure analysis data sheets, fairchild, 1972
Content Summary: Type 7410, Sample 225, Date Code: 7235

Box 30 (Series 16), Folder 24

ICE Folder Name: failure analysis data sheets, signetics, 1973
Content Summary: Type N 74194 B, Sample 200, Date Code: 7347

Box 30 (Series 16), Folder 25

Content Summary: Hand-written notes, 1975

Box 30 (Series 16), Folder 26

Content Summary: RCA - reliability considerations for COS/MOS devices, 1975

Box 30 (Series 16), Folder 27

Content Summary: Sprague - reliability of plastic integrated circuits, 1976

Box 30 (Series 16), Folder 28

Content Summary: Some advanced techniques for device failure analysis - technical memo, 1975

Box 30 (Series 16), Folder 29

Content Summary: The Uti Journal, Vol.2 No. 2, 1976
Box 30 (Series 16), Folder 30
Content Summary: Advertisement - PCR Inc. "Reduce your rejects with HMDS", 1976

Box 30 (Series 16), Folder 31
Content Summary: Minutes of ASTM committee F-1, subcommittee, assembly, 1975

Box 30 (Series 16), Folder 32
Content Summary: CL75-620 Electrostatic discharge in microcircuits - reprint, 1975

Box 30 (Series 16), Folder 33
Content Summary: Packet of papers identifying problem areas with assembly, 1975

Box 30 (Series 16), Folder 34
Content Summary: Photograph, 1975

Box 30 (Series 16), Folder 35
Content Summary: Practical problems in the application of aluminum electromigration failure studies

Box 30 (Series 16), Folder 36
Content Summary: SEM applications to semiconductors

Box 30 (Series 16), Folder 37
ICE Folder Name: Paper published in the journal of the electrochemical society - "passivation coatings on silicon devices", 1975

Box 30 (Series 16), Folder 38
Content Summary: Microcircuit manufacturing control handbook - a guide to failure analysis & process control, 1975

Box 30 (Series 16), Folder 39
ICE Folder Name: airforce handbook rough draft updates, 1974

Box 30 (Series 16), Folder 40
ICE Folder Name: radc f30602-74-c-0232 misc. CORRESPONDENCE, 1977

Box 30 (Series 16), Folder 41
ICE Folder Name: unused failure analysis
Box 30 (Series 16), Folder 42

ICE Folder Name: reliability handbook, 1975
Content Summary: Failure analysis

Box 30 (Series 16), Folder 43

Content Summary: News release - New Microcircuit manufacturing control handbook for the industry, 1975

Box 30 (Series 16), Folder 44

Content Summary: Hand -written notes, 1975

Box 31 (Series 16), Folder 1

ICE Folder Name: failure analysis summary
Content Summary: Problem area: Design

Box 31 (Series 16), Folder 2

ICE Folder Name: failure analysis summary
Content Summary: Problem area: Materials - EPI

Box 31 (Series 16), Folder 3

ICE Folder Name: failure analysis summary
Content Summary: Problem area: surfaces - oxidation

Box 31 (Series 16), Folder 4

ICE Folder Name: failure analysis summary
Content Summary: Problem area: Diffusion

Box 31 (Series 16), Folder 5

ICE Folder Name: failure analysis summary
Content Summary: Problem area: Metallization

Box 31 (Series 16), Folder 6

ICE Folder Name: failure analysis summary
Content Summary: Problem area: Assembly

Box 31 (Series 16), Folder 7
Box 31, Folder 7, ICE Project Number 996u
ICE Folder Name: failure analysis summary
Content Summary: Problem area: Package sealing

Box 31 (Series 16), Folder 8
Box 31, Folder 8, ICE Project Number 996u
ICE Folder Name: failure analysis summary
Content Summary: Problem area: Testing

Box 31 (Series 16), Folder 9
Box 31, Folder 9, ICE Project Number 996u
ICE Folder Name: failure analysis summary
Content Summary: Problem area: Application

Box 31 (Series 16), Folder 10
Box 31, Folder 10, ICE Project Number 996u
ICE Folder Name: failure analysis summary
Content Summary: Equipment description number 38

Box 31 (Series 16), Folder 11
Box 31, Folder 11, ICE Project Number 996u
ICE Folder Name: failure analysis summary
Content Summary: Problem area: Design

Box 31 (Series 16), Folder 12
Box 31, Folder 12, ICE Project Number 996u
ICE Folder Name: failure analysis summary
Content Summary: Problem area: Surfaces

Box 31 (Series 16), Folder 13
Box 31, Folder 13, ICE Project Number 996u
ICE Folder Name: failure analysis summary
Content Summary: Problem area: Diffusion

Box 31 (Series 16), Folder 14
Box 31, Folder 14, ICE Project Number 996u
ICE Folder Name: failure analysis summary
<table>
<thead>
<tr>
<th>Box 31 (Series 16), Folder 15</th>
<th>Box 31, Folder 15, ICE Project Number 996u</th>
</tr>
</thead>
<tbody>
<tr>
<td>ICE Folder Name: failure analysis summary</td>
<td></td>
</tr>
<tr>
<td>Content Summary: Problem area: Metallization</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Box 31 (Series 16), Folder 16</th>
<th>Box 31, Folder 16, ICE Project Number 996u</th>
</tr>
</thead>
<tbody>
<tr>
<td>ICE Folder Name: failure analysis summary</td>
<td></td>
</tr>
<tr>
<td>Content Summary: Problem area: Assembly</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Box 31 (Series 16), Folder 17</th>
<th>Box 31, Folder 17, ICE Project Number 996u</th>
</tr>
</thead>
<tbody>
<tr>
<td>ICE Folder Name: failure analysis summary</td>
<td></td>
</tr>
<tr>
<td>Content Summary: Problem area: Package - Sealing</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Box 31 (Series 16), Folder 18</th>
<th>Box 31, Folder 18, ICE Project Number 996u</th>
</tr>
</thead>
<tbody>
<tr>
<td>ICE Folder Name: failure analysis summary</td>
<td></td>
</tr>
<tr>
<td>Content Summary: Problem area: Testing</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Box 31 (Series 16), Folder 19</th>
<th>Box 31, Folder 19, ICE Project Number 996u</th>
</tr>
</thead>
<tbody>
<tr>
<td>ICE Folder Name: failure analysis summary</td>
<td></td>
</tr>
<tr>
<td>Content Summary: Problem area: Applications</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Box 31 (Series 16), Folder 20</th>
<th>Box 31, Folder 20, ICE Project Number 996u</th>
</tr>
</thead>
<tbody>
<tr>
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<td></td>
</tr>
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<td>Content Summary: Problem area: Design</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Box 31 (Series 16), Folder 21</th>
<th>Box 31, Folder 21, ICE Project Number 996u</th>
</tr>
</thead>
<tbody>
<tr>
<td>ICE Folder Name: failure analysis summary</td>
<td></td>
</tr>
<tr>
<td>Content Summary: Problem area: Materials - EPI</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Box 31 (Series 16), Folder 22</th>
<th>Box 31, Folder 22, ICE Project Number 996u</th>
</tr>
</thead>
<tbody>
<tr>
<td>ICE Folder Name: failure analysis summary</td>
<td></td>
</tr>
</tbody>
</table>
Content Summary: Problem area: Surfaces - Oxidation

Box 31 (Series 16), Folder 23
Box 31, Folder 23, ICE Project Number 996u
ICE Folder Name: failure analysis summary
Content Summary: Problem area: Surfaces

Box 31 (Series 16), Folder 24
Box 31, Folder 24, ICE Project Number 996u
ICE Folder Name: failure analysis summary
Content Summary: Problem area: Diffusion

Box 31 (Series 16), Folder 25
Box 31, Folder 25, ICE Project Number 996u
ICE Folder Name: failure analysis summary
Content Summary: Problem area: Metallization

Box 31 (Series 16), Folder 26
Box 31, Folder 26, ICE Project Number 996u
ICE Folder Name: failure analysis summary
Content Summary: Problem area: Assembly

Box 31 (Series 16), Folder 27
Box 31, Folder 27, ICE Project Number 996u
ICE Folder Name: failure analysis summary
Content Summary: Problem area: Package sealing

Box 31 (Series 16), Folder 28
Box 31, Folder 28, ICE Project Number 996u
ICE Folder Name: failure analysis summary
Content Summary: Problem area: Testing

Box 31 (Series 16), Folder 29
Box 31, Folder 29, ICE Project Number 996u
ICE Folder Name: failure analysis summary
Content Summary: Problem area: Applications

Box 31 (Series 16), Folder 30
Box 31, Folder 30, ICE Project Number 996u
ICE Folder Name: failure analysis summary
Content Summary: Equipment description number 38

Box 31 (Series 16), Folder 31
Box 31, Folder 31, ICE Project Number 996u
ICE Folder Name: failure analysis summary
Content Summary: Problem area: Design

Box 31 (Series 16), Folder 32
Box 31, Folder 32, ICE Project Number 996u
ICE Folder Name: failure analysis summary
Content Summary: Problem area: Materials - EPI

Box 31 (Series 16), Folder 33
Box 31, Folder 33, ICE Project Number 996u
ICE Folder Name: failure analysis summary
Content Summary: Problem area: Surfaces - Oxidation

Box 31 (Series 16), Folder 34
Box 31, Folder 34, ICE Project Number 996u
ICE Folder Name: failure analysis summary
Content Summary: Problem area: Surfaces

Box 31 (Series 16), Folder 35
Box 31, Folder 35, ICE Project Number 996u
ICE Folder Name: failure analysis summary
Content Summary: Problem area: Diffusion

Box 31 (Series 16), Folder 36
Box 31, Folder 36, ICE Project Number 996u
ICE Folder Name: failure analysis summary
Content Summary: Problem area: Metallization

Box 31 (Series 16), Folder 37
Box 31, Folder 37, ICE Project Number 996u
ICE Folder Name: failure analysis summary
Content Summary: Problem area: Assembly

Box 31 (Series 16), Folder 38
Box 31, Folder 38, ICE Project Number 996u
ICE Folder Name: failure analysis summary
Content Summary: Problem area: Package sealing

Box 31 (Series 16), Folder 39
Box 31, Folder 39, ICE Project Number 996u
ICE Folder Name: failure analysis summary
Content Summary: Problem area: Testing

Box 31 (Series 16), Folder 40
Box 31, Folder 40, ICE Project Number 996u
ICE Folder Name: failure analysis summary
Content Summary: Problem area: Applications

Box 31 (Series 16), Folder 41
Box 31, Folder 41, ICE Project Number 996u
ICE Folder Name: failure analysis summary
Content Summary: Equipment description number 38

Box 31 (Series 16), Folder 42
Box 31, Folder 42, ICE Project Number 996u
ICE Folder Name: failure analysis summary
Content Summary: Problem area: Design

Box 31 (Series 16), Folder 43
Box 31, Folder 43, ICE Project Number 996u
ICE Folder Name: failure analysis summary
Content Summary: Problem area: Materials - EPI

Box 31 (Series 16), Folder 44
Box 31, Folder 44, ICE Project Number 996u
ICE Folder Name: failure analysis summary
Content Summary: Problem area: Surfaces - Oxidation

Box 31 (Series 16), Folder 45
Box 31, Folder 45, ICE Project Number 996u
ICE Folder Name: failure analysis summary
Content Summary: Problem area: Diffusion

Box 31 (Series 16), Folder 46
Box 31, Folder 46, ICE Project Number 996u
ICE Folder Name: failure analysis summary
Content Summary: Problem area: Metallization

Box 31 (Series 16), Folder 47
Box 31, Folder 47, ICE Project Number 996u

ICE Folder Name: failure analysis summary
Content Summary: Problem area: Assembly

Box 31 (Series 16), Folder 48
Box 31, Folder 48, ICE Project Number 996u

ICE Folder Name: failure analysis summary
Content Summary: Problem area: Package Sealing

Box 31 (Series 16), Folder 49
Box 31, Folder 49, ICE Project Number 996u

ICE Folder Name: failure analysis summary
Content Summary: Problem area: Testing

Box 31 (Series 16), Folder 50
Box 31, Folder 50, ICE Project Number 996u

ICE Folder Name: failure analysis summary
Content Summary: Problem area: Applications

Box 31 (Series 16), Folder 51
Box 31, Folder 51, ICE Project Number 996v
Content Summary: Migrated - gold resistive shorts in microcircuits, 1975

Box 31 (Series 16), Folder 52
Box 31, Folder 52, ICE Project Number 996w

ICE Folder Name: Failure analysis summary
Content Summary: Equipment description number 38

Box 31 (Series 16), Folder 53
Box 31, Folder 53, ICE Project Number 996x
Content Summary: Handwritten notes, 197

Box 31 (Series 16), Folder 54
Box 31, Folder 54, ICE Project Number 996y
ICE Folder Name: status report for period ending - rome air development center

Box 31 (Series 16), Folder 55
Box 31, Folder 55, ICE Project Number 996z

ICE Folder Name: Used reports, 1976
Content Summary: Reliability engineering analysis report
Box 32 (Series 16), Folder 1

ICE Folder Name: Rome air development center, p/q#1685, 1973
Content Summary: Process control handbook

Box 32 (Series 16), Folder 2

Content Summary: Photographs - an early design silicon monolithic circuit

Box 32 (Series 16), Folder 3

Content Summary: Failure analysis summary - Problem area: assembly, 1975

Box 32 (Series 16), Folder 4

Content Summary: Hand-written call reports

Box 32 (Series 16), Folder 5

Content Summary: Advertisement/description of dynamic junction profiler, 1975

Box 32 (Series 16), Folder 6

Content Summary: Photo: wire bond lifting off pad...visual observations

Box 32 (Series 16), Folder 7

Content Summary: Photo: conductive particle on lead

Box 32 (Series 16), Folder 8

Content Summary: Misc. close-up circuit photos

Box 32 (Series 16), Folder 9

Content Summary: Photo: 3 views of unidentified circuit

Box 32 (Series 16), Folder 10

Content Summary: Failure analysis summary - Documents ready to go to the printer

Box 32 (Series 16), Folder 11

ICE Folder Name: Misc. circuit picture

Box 32 (Series 16), Folder 12

Content Summary: Misc. military correspondence & documentation - photographs included

Box 32 (Series 16), Folder 13

ICE Folder Name: Nad cranl failure reports, 1974

Box 32 (Series 16), Folder 14

Box 32, Folder 14, ICE Project Number 996nn
<table>
<thead>
<tr>
<th>Box 32 (Series 16), Folder 15</th>
<th>Box 32, Folder 15, ICE Project Number 996oo</th>
</tr>
</thead>
<tbody>
<tr>
<td>ICE Folder Name: Nbs failure analysis, 1973</td>
<td></td>
</tr>
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</table>

<table>
<thead>
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<th>Box 32 (Series 16), Folder 16</th>
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</tr>
</thead>
<tbody>
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<td>ICE Folder Name: Microcircuit manufacturing control handbook</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Box 33 (Series 16), Folder 1</th>
<th>Box 33, Folder 1, ICE Project Number 996qq</th>
</tr>
</thead>
<tbody>
<tr>
<td>ICE Folder Name: RADC handbook, 1976</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Box 33 (Series 16), Folder 2</th>
<th>Box 33, Folder 2, ICE Project Number 996rr</th>
</tr>
</thead>
<tbody>
<tr>
<td>ICE Folder Name: radc handbook, 1974</td>
<td></td>
</tr>
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<td>Content Summary: copies of contract</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Box 33 (Series 16), Folder 3</th>
<th>Box 33, Folder 3, ICE Project Number 996ss</th>
</tr>
</thead>
<tbody>
<tr>
<td>ICE Folder Name: radc handbook</td>
<td></td>
</tr>
<tr>
<td>Content Summary: Statement of work for reporting</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Box 33 (Series 16), Folder 4</th>
<th>Box 33, Folder 4, ICE Project Number 996tt</th>
</tr>
</thead>
<tbody>
<tr>
<td>ICE Folder Name: radc handbook, 1976</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Box 33 (Series 16), Folder 5</th>
<th>Box 33, Folder 5, ICE Project Number 997a</th>
</tr>
</thead>
<tbody>
<tr>
<td>ICE Folder Name: hitachi america, ltd. p/q #1714, 1974</td>
<td></td>
</tr>
<tr>
<td>Content Summary: Marked analysis, specific cost information, and crystal orientation</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Box 33 (Series 16), Folder 6</th>
<th>Box 33, Folder 6, ICE Project Number 997b</th>
</tr>
</thead>
<tbody>
<tr>
<td>ICE Folder Name: hitachi america, ltd., 1974</td>
<td></td>
</tr>
<tr>
<td>Content Summary: A special analysis of the U.S&gt; circuit market (working copy)</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Box 33 (Series 16), Folder 7</th>
<th>Box 33, Folder 7, ICE Project Number 997c</th>
</tr>
</thead>
<tbody>
<tr>
<td>ICE Folder Name: hitachi america, ltd., 1974</td>
<td></td>
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<tr>
<td>Content Summary: A special analysis of the U.S&gt; circuit market (original)</td>
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</tr>
<tr>
<td>Box 33 (Series 16), Folder 8</td>
<td>Box 33, Folder 8, ICE Project Number 997d</td>
</tr>
<tr>
<td>-------------------------------</td>
<td>------------------------------------------</td>
</tr>
<tr>
<td>ICE Folder Name: hitachi america, ltd., 1974</td>
<td></td>
</tr>
<tr>
<td>Content Summary: 8 digit calculator &amp; chips/crystal questions, correspondence &amp; articles</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Box 33 (Series 16), Folder 9</th>
<th>Box 33, Folder 9, ICE Project Number 998a</th>
</tr>
</thead>
<tbody>
<tr>
<td>ICE Folder Name: western electric p/q #1708, 1974</td>
<td></td>
</tr>
<tr>
<td>Content Summary: Western Electronic vs. Solitron Services, Inc. Index No. 7061/1966</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Box 33 (Series 16), Folder 10</th>
<th>Box 33, Folder 10, ICE Project Number 998b</th>
</tr>
</thead>
<tbody>
<tr>
<td>ICE Folder Name: Western Electric, 1974</td>
<td></td>
</tr>
<tr>
<td>Content Summary: The role of belt aligned silicon-Gate Technology in the U.S. Integrated Circuit Market</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Box 33 (Series 16)</th>
<th>Box 33, Folder 11, ICE Project Number 998c</th>
</tr>
</thead>
<tbody>
<tr>
<td>ICE Folder Name: Western Electric, 1974</td>
<td></td>
</tr>
<tr>
<td>Content Summary: Patent summaries, Rockwell calculator and fixed charges for semiconductor patents or NOS patents</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Box 33 (Series 16)</th>
<th>Box 33, Folder 12, ICE Project Number 999a</th>
</tr>
</thead>
<tbody>
<tr>
<td>ICE Folder Name: Bowmar canada limited, 1973, 1974</td>
<td></td>
</tr>
<tr>
<td>Content Summary: Management &amp; financial report</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Box 33 (Series 16), Folder 13</th>
<th>Box 33, Folder 13, ICE Project Number 999b</th>
</tr>
</thead>
<tbody>
<tr>
<td>ICE Folder Name: Bowmar Canada limited, 1974</td>
<td></td>
</tr>
<tr>
<td>Content Summary: A prospectus for Bowmar-an investment opportunity in semiconductors, Product areas: LEDS, Silicon, B Polar, MO</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Box 33 (Series 16)</th>
<th>Box 33, Folder 14, ICE Project Number 999c</th>
</tr>
</thead>
<tbody>
<tr>
<td>ICE Folder Name: bowmar canada, limited, 1974</td>
<td></td>
</tr>
<tr>
<td>Content Summary: &quot;...most important long term asset: electronic watch ...&quot; a review of realities and alternatives</td>
<td></td>
</tr>
</tbody>
</table>
Box 34 (Series 16), Folder 1

Box 34, Folder 1, ICE Project Number 999d

ICE Folder Name: bowmar canada, limited, 1975
Content Summary: Fair market value study of the Bowmar/ Arizona Chandler facility

Box 34 (Series 16), Folder 2

Box 34, Folder 2, ICE Project Number 999e

ICE Folder Name: bowmar, 1974
Content Summary: Correspondence-chips, calculators/watches

Box 34 (Series 16), Folder 3

Box 34, Folder 3, ICE Project Number 999f

ICE Folder Name: Bowmar, 1974
Content Summary: Engineering report E-1162 effects of impurities on the resonator & Lattice properties of quartz 11/2/1995

Box 34 (Series 16), Folder 4

Box 34, Folder 4, ICE Project Number 999g

ICE Folder Name: Bowmar, 1974
Content Summary: Engineering evaluation lab. & original notes

Box 34 (Series 16), Folder 5

Box 34, Folder 5, ICE Project Number 999h

ICE Folder Name: bowmar, 1974
Content Summary: Probe and final tests & original notes

Box 34 (Series 16), Folder 6

Box 34, Folder 6, ICE Project Number 999i

ICE Folder Name: Bowmar, 1974
Content Summary: Hand ledger copy of mfg. And application, eq. Hewlett Packard Digital Cur. Source

Box 34 (Series 16), Folder 7

Box 34, Folder 7, ICE Project Number 999j

ICE Folder Name: bowmar, 1975
Content Summary: Project to sell majority interest in Bowmar, Canada LTD.

Box 34 (Series 16), Folder 8

Box 34, Folder 8, ICE Project Number 999k
ICE Folder Name: bowmar, 1975  
Content Summary: Attachment #4- office furniture and equipment

Box 34 (Series 16), Folder 9  
Box 34, Folder 9, ICE Project Number 999l

ICE Folder Name: Bowmar, 1975  
Content Summary: Facilities

Box 34 (Series 16), Folder 10  
Box 34, Folder 10, ICE Project Number 999m

ICE Folder Name: bowmar, 1975  
Content Summary: Summary of Bowmar semiconductor group

Box 34 (Series 16), Folder 11  
Box 34, Folder 11, ICE Project Number 999n

ICE Folder Name: bowmar, 1975  
Content Summary: Organization chart, history [time line] of Bowmar/ Arizona's semiconductor activity

Box 34 (Series 16), Folder 12  
Box 34, Folder 12, ICE Project Number 999o

ICE Folder Name: bowmar, 1974, 1975  
Content Summary: News clippings Chapter 11 to litigation

Box 34 (Series 16), Folder 13  
Box 34, Folder 13, ICE Project Number 999p

ICE Folder Name: bowmar, 1975  
Content Summary: Facilities and financial status

Box 34 (Series 16), Folder 14  
Box 34, Folder 14, ICE Project Number 999q

ICE Folder Name: bowmar, 1975  
Content Summary: Proprietary 1975 MOS process

Box 34 (Series 16), Folder 15  
Box 34, Folder 15, ICE Project Number 999r

ICE Folder Name: bowmar, 1975  
Content Summary: Proprietary 1975 BIPOLAR L2-8-2 process
Box 34 (Series 16), Folder 16

ICE Folder Name: bowmar, 1975
Content Summary: Manpower, skills, balance sheets, status, original notes

Box 34 (Series 16), Folder 17

ICE Folder Name: bowmar, 1975
Content Summary: Material bipolar- diffusion Doc# 10B00059

Box 34 (Series 16), Folder 18

ICE Folder Name: Bowmar, 1974
Content Summary: Process specs - CMOS, Doc.# 10B00047

Box 34 (Series 16), Folder 19

ICE Folder Name: Bowmar, 1974
Content Summary: Diffusion Base worksheets

Box 34 (Series 16), Folder 20

ICE Folder Name: Bowmar, 1974
Content Summary: Diffusion Au emitter worksheets

Box 35, Folder 1

ICE Folder Name: bowmar, 1974
Content Summary: Isolation diffusion worksheets

Box 35, Folder 2

ICE Folder Name: bowmar, 1974
Content Summary: Diffusion Buried Layer worksheets

Box 35, Folder 3

ICE Folder Name: bowmar, 1974
Content Summary: Diffusion - Bipolar Process specs - THE RECIPE

Box 35, Folder 4
Content Summary: Telephone calls & notes

Box 36, Folder 3  
Box 36, Folder 3, ICE Project Number 999ii

ICE Folder Name: bowmar - motorola personnel, 1975
Content Summary: First cut evaluation of Bowmar's semiconductor for group asking price

Box 36, Folder 4  
Box 36, Folder 4, ICE Project Number 999jj

ICE Folder Name: bowmar - arizona, 1974
Content Summary: letter concerning LED's & electronic watch application

Box 36, Folder 5  
Box 36, Folder 5, ICE Project Number 999A

ICE Folder Name: Bowmar - arizona (Mexico), 1974 - 1975
Content Summary: 8080 production - PULSAR - CALCULATOR - CMOS - PMOS - BIPOLAR --LED

Box 37, Folder 1  
Box 37, Folder 1, ICE Project Number 10000a

ICE Folder Name: Potential Advertising for Status 1975
Content Summary: The Economics of Integrated Circuit Manufacturing

Box 37, Folder 2  
Box 37, Folder 2, ICE Project Number 10000b

ICE Folder Name: European Trips Highlights
Content Summary: William D. Witter, Inc.5/16/74

Box 37, Folder 3  
Box 37, Folder 3, ICE Project Number 10001

ICE Folder Name: Eastman Kodak, May 28, 1974
Content Summary: Eastman Kodak Motor Speed Control-1 (MSC) Circuit

Box 37  
Box 37, Folder 3, ICE Project Number 10002

ICE Folder Name: Eastman Kodak, May 28, 1974
Content Summary: Eastman Kodak MSC-1 Circuit

Box 37  
Box 37, Folder 3, ICE Project Number 10003

ICE Folder Name: Eastman Kodak, May 28, 1074
Content Summary: Eastman Kodak MSC-1 Circuit

Box 37, Folder 4  
Box 37, Folder 4, ICE Project Number 10004
ICE Folder Name: Hallicrafters, June 5, 1974
Content Summary: Comments of Collins Radio Large Scale Integration (LSI) Proposal

Box 37, Folder 5
Box 37, Folder 5, ICE Project Number 10005

ICE Folder Name: TRW
Content Summary: Report on the 75370 Sense Amplifier Circuit

Box 37, Folder 6
Box 37, Folder 6, ICE Project Number 10006
ICE Folder Name: 3M Co. '74 Process. & Pkg'g Semin P/Q No. 1721

Box 37, Folder 7
Box 37, Folder 7, ICE Project Number 10007a

ICE Folder Name: Motorola, August 1974
Content Summary: Review of Silicon Wafer Vendors for Bipolar & CMOS Integrated Circuits

Box 37, Folder 8
Box 37, Folder 8, ICE Project Number 10007b

ICE Folder Name: Motorola, August 1974
Content Summary: Review of Silicon Wafer Vendors for Bipolar & CMOS Integrated Circuits

Box 37, Folder 9
Box 37, Folder 9, ICE Project Number 10007c

ICE Folder Name: Motorola, Ft. Lauderdale, Fla. P/Q. No. 1715
Content Summary: Review of Silicon Wafer Vendors for Bipolar & CMOS Integrated Circuits

Box 37, Folder 10
Box 37, Folder 10, ICE Project Number 10008

ICE Folder Name: ITT, NY
Content Summary: Fail Safe Analysis Renewal Ignition System

Box 38, Folder 1
Box 38, Folder 1, ICE Project Number 10009
ICE Folder Name: Open BT Seminar, June 17, 1974

Box 38, Folder 2
Box 38, Folder 2, ICE Project Number 10010

ICE Folder Name: Unicorp mkt. anal. wire bonders P/Q No. 1724
Content Summary: Report on Wire Bonder Market, July 1974

Box 38, Folder 3
Box 38, Folder 3, ICE Project Number 10011
ICE Folder Name: Bell Aerospace
Content Summary: LM108AH Precision Operational Amplifier Failure Analysis Report, July 1974

Box 38, Folder 4 Box 38, Folder 4, ICE Project Number 10012a

ICE Folder Name: INTERLEK, INC. P/Q/ No. 1725
Content Summary: Assembly Plant Layout, July 1974

Box 38, Folder 5 Box 38, Folder 5, ICE Project Number 10012b

ICE Folder Name: Interlek, August 1974
Content Summary: Facility Plan for the Assembly of Integrated Circuits

Box 38, Folder 6 Box 38, Folder 6, ICE Project Number 10012c

ICE Folder Name: Interlek, September 1974
Content Summary: Trip to the Far-East

Box 38, Folder 7 Box 38, Folder 7, ICE Project Number 10013

ICE Folder Name: IBM, LA, July 15, 1974
Content Summary: Consultation of Semi-Conductor Industry

Box 38, Folder 8 Box 38, Folder 8, ICE Project Number 10014

ICE Folder Name: Interlek, June 30, 1974
Content Summary: Proposal/Quotation No. 1726

Box 38, Folder 10 Box 38, Folder 10, ICE Project Number 10016

ICE Folder Name: Eastman Kodak
Content Summary: Call Report 8/27/74

Box 38, Folder 11 Box 38, Folder 11, ICE Project Number 10017a

ICE Folder Name: Honeywell, July 1974
Content Summary: Audit of the Hybrid Microelectronic Modules (IMUEE) Program

Box 39, Folder 1 Box 39, Folder 1, ICE Project Number 10017b

ICE Folder Name: Honeywell, August 1974
Content Summary: Review of Final Visit to Honeywell, Project Completion
Box 39, Folder 2
Box 39, Folder 2, ICE Project Number 10017c

ICE Folder Name: Honeywell, June 1974
Content Summary: Microelectronics Inspection Instruction Change Log

Box 39, Folder 3
Box 39, Folder 3, ICE Project Number 10018

ICE Folder Name: King Radio, September 1974
Content Summary: Custom MOS Assembly

Box 39, Folder 4
Box 39, Folder 4, ICE Project Number 10019

ICE Folder Name: King Radio, August 1974
Content Summary: Ultrasonic Wire Bonding of Microelectronic Circuits

Box 39, Folder 5
Box 39, Folder 5, ICE Project Number 10020

ICE Folder Name: NAVAL RESEARCH LABORATORY P/Q No. 1722
Content Summary: Audit of the NRL Microelectronic Processing Lab, 1974

Box 39, Folder 6
Box 39, Folder 6, ICE Project Number 10021

ICE Folder Name: NISSHA PRINTING CO., LTD. P/Q #1694
Content Summary: Summary of Consulting Selection of U.S. Company Project with Nissha, July 1974

Box 39, Folder 7
Box 39, Folder 7, ICE Project Number 10022

ICE Folder Name: Advanced Memory Systems, Inc.
Content Summary: The Market for CMOS Watch Circuits, September 1974

Box 39, Folder 8
Box 39, Folder 8, ICE Project Number 10023

ICE Folder Name: Systron Donner
Content Summary: Agreement for Consulting Services

Box 39, Folder 9
Box 39, Folder 9, ICE Project Number 10024a

ICE Folder Name: Martin Marietta P/Q No. 1735
Content Summary: Evaluation of Martin-Marietta's Microelectronics Activities

Box 40, Folder 1
Box 40, Folder 1, ICE Project Number 10024b

ICE Folder Name: Martin Marietta, 1975
Content Summary: Custom CMOS Vendor Visits and Evaluations

Box 40, Folder 2  
Box 40, Folder 2, ICE Project Number 10025

ICE Folder Name: ITT, September 1974  
Content Summary: Comparison Between Microelectronic Circuits and the Neurons of the Human Brain

Box 40, Folder 3  
Box 40, Folder 3, ICE Project Number 10026

ICE Folder Name: Interlek, Inc. P/Q No. 1740  
Content Summary: Assembly of Bowmar Calculator Kits: Mx 25, Mx 55, Mx 75, Mx 90, and Gold-Plated LED Watches, November 1974

Box 40, Folder 4  
Box 40, Folder 4, ICE Project Number 10027

ICE Folder Name: Sun Ventures, December 1974  
Content Summary: Information on Photovoltaic Detectors PVD090F and PVD090FC, and Photodiodes PVD050F and PVD050L; U.S. Patent #3,801,879

Box 40, Folder 5  
Box 40, Folder 5, ICE Project Number 10028

ICE Folder Name: Bowmar, November 1974  
Content Summary: Call Reports

Box 40, Folder 6  
Box 40, Folder 6, ICE Project Number 10029

ICE Folder Name: Open SOS Seminar, January 1975

Box 40, Folder 8  
Box 40, Folder 8, ICE Project Number 10031

ICE Folder Name: IBM - BT Seminar

Box 40, Folder 9  
Box 40, Folder 9, ICE Project Number 10032

ICE Folder Name: NELC Seminar

Box 40, Folder 10  
Box 40, Folder 10, ICE Project Number 10033a

ICE Folder Name: DRESSER WAYNE Feasibility Study P/Q No. 1760  
Content Summary: Consulting Agreement for Electronic Computing and Display Equipment Design

Box 40, Folder 11  
Box 40, Folder 11, ICE Project Number 10033b

ICE Folder Name: Dresser-Wayne  
Content Summary: Agreement for Consulting Services
Box 40, Folder 13  Box 40, Folder 13, ICE Project Number 10035

ICE Folder Name: Marin-Marietta, December 1974
Content Summary: Microelectronic Technology Tradeoffs

Box 41, Folder 1  Box 41, Folder 1, ICE Project Number 10036

ICE Folder Name: Western Electrics (CODEX MANUAL), 1973
Content Summary: Technical Manual, High Speed Data Modem

Box 41, Folder 2  Box 41, Folder 2, ICE Project Number 10037

ICE Folder Name: Western Electric, January 1975
Content Summary: The Role of Oxide Masking in the U.S. Semiconductor Market

Box 41, Folder 3  Box 41, Folder 3, ICE Project Number 10038

ICE Folder Name: Western Electric, February 1975
Content Summary: Calculator - Rockwell's 61R, 20R for Comparison Analysis (Photographs Included)

Box 41, Folder 4  Box 41, Folder 4, ICE Project Number 10039

ICE Folder Name: NORTEC ELEC. CORP. Design & Layout P/Q No. 1758
Content Summary: Design and Layout of Digital CMOS Tone Encoder Microcircuits

Box 41, Folder 5  Box 41, Folder 5, ICE Project Number 10040
ICE Folder Name: BOWMAR - BT Seminar, November 1974

Box 41, Folder 6  Box 41, Folder 6, ICE Project Number 10041

ICE Folder Name: MARTIN-MARIETTA, February 1975
Content Summary: Trip Report & Custom CMOS Development Project

Box 41, Folder 9  Box 41, Folder 9, ICE Project Number 10044a

ICE Folder Name: ESL, Inc. Technology Seminar P/Q No. 1768
Content Summary: Wafer Technologies - Basic Technology Seminar, 1970

Box 41, Folder 10  Box 41, Folder 10, ICE Project Number 10044b

ICE Folder Name: ESL, Inc. March 1975
Content Summary: Semiconductor Industry Analysis & Forecast

Box 41, Folder 11  Box 41, Folder 11, ICE Project Number 10045

ICE Folder Name: Eastman Kodak Facility Planning P/Q No. 1736
Content Summary: Consulting Agreement, October 1978

Box 41, Folder 14  Box 41, Folder 14, ICE Project Number 10048

ICE Folder Name: GTE Lenkurt Facility Study P/Q No. 1781
Content Summary: Feasibility Study for Microwave Transistor Production, May 1975

Box 42, Folder 1  Box 42, Folder 1, ICE Project Number 10049

ICE Folder Name: Readex Electronics, Inc. P/Q No. 1783
Content Summary: Automatic Reading of Utility Meters Using Radio Transmission & Computer Assimilation, March 1975

Box 42, Folder 2  Box 42, Folder 2, ICE Project Number 10050

ICE Folder Name: SEACO, May 1975
Content Summary: From Murray to Dicken, Seaco vs. Motorola, Case Settled out of Court

Box 42, Folder 4  Box 42, Folder 4, ICE Project Number 10052a
ICE Folder Name: P/Q No. 1790 GTE Lenkurt Seminar

Box 42, Folder 6  Box 42, Folder 6, ICE Project Number 10053

ICE Folder Name: Microprocessors
Content Summary: Microprocessor Technology, 1976

Box 42, Folder 8  Box 42, Folder 8, ICE Project Number 10055

ICE Folder Name: Interlek, June 1975
Content Summary: Confirmation of P/Q 10055

Box 42, Folder 9  Box 42, Folder 9, ICE Project Number 10056a
ICE Folder Name: SYSTRON DONNER Hybrid Workshop Pr/Q No. 1773
Content Summary: Model 4831 Detector/Amplifier - Hybrid Wafer/Circuit, November 1975

Box 42, Folder 10  Box 42, Folder 10, ICE Project Number 10056b
ICE Folder Name: Systron-Donner Hybrid Design Workshop, July 1975
Box 42, Folder 11  Box 42, Folder 11, ICE Project Number 10056c
ICE Folder Name: Systron-Donner, November 1975
Content Summary: Hybrid Design Workshop (Includes Transparencies)

Box 42A
Series 16 material, contents unknown

Box 43, Folder 1  Box 43, Folder 1, ICE Project Number 10057a

Box 43, Folder 2  Box 43, Folder 2, ICE Project Number 10057b
ICE Folder Name: Lockheed Electronics
Content Summary: Microprocessor Study, 1975

Box 43, Folder 3  Box 43, Folder 3, ICE Project Number 10058
Content Summary: San Francisco Trip, July 1975

Box 43, Folder 4  Box 43, Folder 4, ICE Project Number 10059
ICE Folder Name: COIN ACCEPTORS Circuit & Display P/Q No. 1797
Content Summary: Circuit and Design with Images and Negatives, Eight-Digit Basic Slide Rule Calculators 'Coin Acceptors' JE Bass-Rockwell, 1975

Box 43, Folder 5  Box 43, Folder 5, ICE Project Number 10060
ICE Folder Name: Airborne Instrument, August 1975
Content Summary: Failure Analysis - Hybrid Die Bonding

Box 43, Folder 6  Box 43, Folder 6, ICE Project Number 10061
ICE Folder Name: Coinductor, 1975
Content Summary: CMOS Rate Multipliers-Versatile Circuits for Synthesizing Digital Functions

Box 43, Folder 8  Box 43, Folder 8, ICE Project Number 10063a
ICE Folder Name: AIRPAX ELECTRONICS P/Q 1801
Content Summary: Custom Linear Circuits - Evaluation & Layout, 1975

Box 43, Folder 9  Box 43, Folder 9, ICE Project Number 10063b
ICE Folder Name: Airpax Electronics P/Q #1807
Content Summary: Integrated Circuit; Video/Audio Crosspoint, 1975

Box 44, Folder 1
Box 44, Folder 1, ICE Project Number 10064
ICE Folder Name: NORTHERN ELECTRIC P/Q #1808
Content Summary: IC Impact on World Market; (Includes Transparencies),
1975

Box 44, Folder 2
Box 44, Folder 2, ICE Project Number 10065
ICE Folder Name: Honeywell
Content Summary: A Review of the Colorado Springs Facility of the Solids
State Electronic Center, March 1976

Box 44, Folder 3
Box 44, Folder 3, ICE Project Number 10066
ICE Folder Name: SYSTRON-DONNER
Content Summary: Hybrid Layout Time-Zero, Pioneer/Venus Probe, 1975

Box 44, Folder 4
Box 44, Folder 4, ICE Project Number 10067
ICE Folder Name: GYREX MTB-1 VOTE TABULATING SYSTEM
Content Summary: Review of Fairchild Semiconductor, October 1975

Box 44, Folder 5
Box 44, Folder 5, ICE Project Number 10068
ICE Folder Name: FAIRCHILD P/Q 1809
Content Summary: Review of Performance & Action; Including
Transparences & Comments, 1975

Box 44, Folder 6
Box 44, Folder 6, ICE Project Number 10069
ICE Folder Name: FAIRCHILD P/Q 1810
Content Summary: Instrumentation Opportunities; Increasing Transient
Intelligence, September 1975

Box 44, Folder 7
Box 44, Folder 7, ICE Project Number 10070
ICE Folder Name: ITT-NYC, October 1975
Content Summary: West Palm Beach IC Design Center Presentation

Box 44, Folder 8
Box 44, Folder 8, ICE Project Number 10071
ICE Folder Name: Martin-Marietta, October 1975
Content Summary: Overseas Assembly Center - Off Shore Assembly - Mono, Hybrid, PC Board

Box 44, Folder 9

Box 44, Folder 9, ICE Project Number 10072

ICE Folder Name: General Electric
Content Summary: Radiation Tolerance of CMOS on Sapphire and Integrated Injection Logic (I2L), 1974-1976

Box 45, Folder 1

Box 45, Folder 1, ICE Project Number 10073
ICE Folder Name: P/Q No. 1812 Ft. Monmouth, NJ BT Seminar

Box 45, Folder 2

Box 45, Folder 2, ICE Project Number 10074a

ICE Folder Name: P/Q No. 1811 EASTMAN KODAK Mask Market Study
Content Summary: KODAK Microelectronics Products Consumer Price Schedule, January 1976

Box 45, Folder 3

Box 45, Folder 3, ICE Project Number 10074b

ICE Folder Name: Eastman Kodak, February 1976
Content Summary: Emulsion Photoplate Usage for Semiconductor Manufacture

Box 45, Folder 5

Box 45, Folder 5, ICE Project Number 10076a

ICE Folder Name: Status '76
Content Summary: Purchasers of Status 1974 and 1975

Box 45, Folder 6

Box 45, Folder 6, ICE Project Number 10076b
Content Summary: Major U.S. Owned Semiconductor Production Facilities

Box 46, Folder 1

Box 46, Folder 1, ICE Project Number 10076c

ICE Folder Name: Status '76
Content Summary: 1975 U.S. Electronics Market Statistics

Box 46, Folder 2

Box 46, Folder 2, ICE Project Number 10076d

ICE Folder Name: Status '76
Content Summary: The Electronic Watch Market

Box 46, Folder 4

Box 46, Folder 4, ICE Project Number 10078
ICE Folder Name: Open BT Seminar

Box 46, Folder 5

Box 46, Folder 5, ICE Project Number 10079
ICE Folder Name: Martin-Marietta
Content Summary: Low-Cost Fabrication and Assembly for CMOS and Quartz Crystal, January 1976

Box 46, Folder 6  Box 46, Folder 6, ICE Project Number 10080

ICE Folder Name: P/Q No. 1817 SYSTRON DONNER Facilities Study
Content Summary: A Hybrid Facility Study, January 1976

Box 46, Folder 7  Box 46, Folder 7, ICE Project Number 10081

ICE Folder Name: Honeywell, March 1976
Content Summary: Honeywell Solid State Study and External Microelectronics Study

Box 46, Folder 8  Box 46, Folder 8, ICE Project Number 10082
ICE Folder Name: Failure Analysis Seminar

Box 46, Folder 9  Box 46, Folder 9, ICE Project Number 10083

ICE Folder Name: ITT, February 1976
Content Summary: A Review of the UMC-2000 Energy Flow System Project

Box 47, Folder 1  Box 47, Folder 1, ICE Project Number 10084

ICE Folder Name: Open Status Seminar ’76
Content Summary: Status of Integrated Circuits

Box 47, Folder 2  Box 47, Folder 2, ICE Project Number 10085a

ICE Folder Name: GRUMMANN- References & Reports
Content Summary: Components 1976

Box 47, Folder 3  Box 47, Folder 3, ICE Project Number 10085b

ICE Folder Name: GRUMMANN- References & Reports
Content Summary: Conferences on Digital Watches, 197

Box 47, Folder 4  Box 47, Folder 4, ICE Project Number 10085c

ICE Folder Name: GRUMMANN- References & Reports
Content Summary: Call Reports for First National City Banks 1976
Box 47, Folder 5

Box 47, Folder 5, ICE Project Number 10086

ICE Folder Name: OPEN BT SEMINAR March 2-5, 1976
Content Summary: Registration Forms for BT Seminar

Box 47, Folder 6

Box 47, Folder 6, ICE Project Number 10087a

ICE Folder Name: HYBRID STATUS
Content Summary: Hybrid Books 1976

Box 47, Folder 7

Box 47, Folder 7, ICE Project Number 10087b

ICE Folder Name: HYBRID STATUS
Content Summary: Survey on Hybrid Microelectronics Industry, 1976

Box 47, Folder 8

Box 47, Folder 8, ICE Project Number 10087c

ICE Folder Name: HYBRID STATUS
Content Summary: Product Information 1976

Box 48, Folder 1

Box 48, Folder 1, ICE Project Number 100870d

ICE Folder Name: HYBRID STATUS
Content Summary: Information on Hybrid Industries, 1976

Box 48, Folder 2

Box 48, Folder 2, ICE Project Number 10088

ICE Folder Name: Failure Analysis Sem.
Content Summary: 1976 Seminar Registrations and Information

Box 48, Folder 3

Box 48, Folder 3, ICE Project Number 10089a

ICE Folder Name: MARTIN MARIETTA- Annual Consulting
Content Summary: Information on Offshore and Offsite Assembly of Bonded Wires with Attached Die for Dual-Line in CMOS Circuits, 1976

Box 48, Folder 4

Box 48, Folder 4, ICE Project Number 10089b

ICE Folder Name: Martin-Marietta
Content Summary: Qualifications of Microelectronics Personnel 1976

Box 48, Folder 5

Box 48, Folder 5, ICE Project Number 10090a

ICE Folder Name: STROMBERG - CARLSON
Content Summary: Cross Point Switch Failures SA-6960 May, 1976

Box 49, Folder 1  
Box 49, Folder 1, ICE Project Number 10090b  
ICE Folder Name: STROMBERG - CARLSON  
Content Summary: Cross Point Switch Failures for Stromberg 2X2 SN21960, 1960 (Photograph Included)

Box 49, Folder 2  
Box 49, Folder 2, ICE Project Number 10091  
ICE Folder Name: MOTOROLA  
Content Summary: Basic Technology Seminar on Integrated Circuits (Copies of All Information Included) March 16-19, 1976

Box 49, Folder 4  
Box 49, Folder 4, ICE Project Number 10093  
ICE Folder Name: ZENITH RADIO CORP.  
Content Summary: Analysis of Bipolar Yield Problems in Wafer Fabrication, May 1976

Box 49, Folder 5  
Box 49, Folder 5, ICE Project Number 10094  
ICE Folder Name: P/Q No. 1819 GENERAL ELECTRIC Consulting  
Content Summary: March 1976 Proposals for Consulting Services with GE

Box 49, Folder 6  
Box 49, Folder 6, ICE Project Number 10095  
ICE Folder Name: TRW  
Content Summary: May 6, 1976 Recommendations to Repair 724 Failed Circuits

Box 49, Folder 8  
Box 49, Folder 8, ICE Project Number 10097  
ICE Folder Name: Watch Report

Box 49, Folder 9  
Box 49, Folder 9, ICE Project Number 10098  
ICE Folder Name: RAYTHEON  
Content Summary: Articles of Sale for ICE and Ness June 1976 (Photograph of Digital Watch Revolution Manual)

Box 49, Folder 10  
Box 49, Folder 10, ICE Project Number 10099  
ICE Folder Name: MOS Technology, Inc.  
Content Summary: Information on MOS Technologies, 1976

Box 49, Folder 13  
Box 49, Folder 13, ICE Project Number 10102
ICE Folder Name: NORTH ELECTRIC
Content Summary: Failure Analysis of CMOS 4023 Devices (Pictures Included), 1974

Box 50, Folder 1
Box 50, Folder 1, ICE Project Number 10103

ICE Folder Name: GENERAL ELECTRIC
Content Summary: Transparencies of Electronic Toast-R-Oven (TRO) Control, 1976

Box 50, Folder 2
Box 50, Folder 2, ICE Project Number 10104

ICE Folder Name: XEROX
Content Summary: Assembly Techniques (Packaging) for Xerox, 1976

Box 50, Folder 3
Box 50, Folder 3, ICE Project Number 10105

ICE Folder Name: SUN VENTURES
Content Summary: Investigation of Liquid Crystals (Watches, etc.), 1976

Box 50, Folder 4
Box 50, Folder 4, ICE Project Number 10106

ICE Folder Name: Seminar MEDTRONIC, INC.
Content Summary: Information on Medtronic Inc. 1976

Box 50, Folder 5
Box 50, Folder 5, ICE Project Number 10107

ICE Folder Name: Kodak
Content Summary: Consulting 1976

Box 50, Folder 6
Box 50, Folder 6, ICE Project Number 10108

ICE Folder Name: G.E.
Content Summary: Negotiations with Motorola on Pluggable .5 Inch Display

Box 50, Folder 8
Box 50, Folder 8, ICE Project Number 10110

ICE Folder Name: Status Seminar-Phnx.
Content Summary: Information on Status Reports for Microcomputer Trends, 1976

Box 50, Folder 9
Box 50, Folder 9, ICE Project Number 10111

ICE Folder Name: BT Seminar - Open
Content Summary: Information on Seminar for Block Diagram of DMA Transfers Cycle Stealing, 1976

Box 50, Folder 10
Box 50, Folder 10, ICE Project Number 10112
ICE Folder Name: FA Seminar - LB
Content Summary: Failure Analysis Seminar of MOS Processing Steps

Box 51, Folder 1
Box 51, Folder 1, ICE Project Number 10113
ICE Folder Name: FA Seminar - NY
Content Summary: Failure Analysis Seminar in New York, 1976

Box 51, Folder 2
Box 51, Folder 2, ICE Project Number 10114
ICE Folder Name: N.E.L.C. Information on Processes
Content Summary: Purchase Information on 5400 Series Transistor Transistor Logic (TTL) Integrated Circuits, 1976

Box 51, Folder 3
Box 51, Folder 3, ICE Project Number 10115 Xref With 10-0061, 10-059 ICE Folder Name: Rockwell International
Content Summary: Product Bulletin; Mosils Series for Eight-Digit Basic Slide Rule Calculator, Keyboard Options - Direct Display Drive; Parallel Processing System (PPS) Single Circuit Microcomputer Series MM77 System Product Description and TMS 1000 Series Data Manual MOS/LSI One-Ship Microcomputers, April 1977 (Transparencies Included)

Box 51, Folder 5
Box 51, Folder 5, ICE Project Number 10117
ICE Folder Name: READEX
Content Summary: Discussion with Exxon of Power Line System, 1977

Box 51, Folder 6
Box 51, Folder 6, ICE Project Number 10118
ICE Folder Name: Unlabeled Folder
Content Summary: The L2-8-2 Process Compatibility with Various Levels of Voltage, 1977

Box 51, Folder 8
Box 51, Folder 8, ICE Project Number 10120
ICE Folder Name: Cherry Electric Co.
Content Summary: Plans on Visit to Xciton to Inspect Line for Fabrication of LED Lights, 1977

Box 51, Folder 9
Box 51, Folder 9, ICE Project Number 10121
ICE Folder Name: GE Content Summary: Seminar with Various Processor Developers, 1976

Box 51, Folder 10 Box 51, Folder 10, ICE Project Number 10122

ICE Folder Name: GE
Content Summary: Requests From GE to ICE to Hold a Seminar on "State-of-the-Art" Integrated Circuits and Assembly, 1976

Box 51, Folder 11 Box 51, Folder 11, ICE Project Number 10123

ICE Folder Name: IDANTA PARTNERS
Content Summary: Survey to Taft-Pierce Company on the Subject of Separation of Semiconductor Wafers, 1972

Box 51A Series 16 material, contents unknown

Box 52, Folder 1 Box 52, Folder 1, ICE Project Number 10124

ICE Folder Name: MARTIN MARIETTA
Content Summary: Urgent Requests for Data on Lockheed Missiles and Space Company, Inc./Missile Systems Division (LMSCI/MSD) Failures, October 1976

Box 52, Folder 2 Box 52, Folder 2, ICE Project Number 10125

ICE Folder Name: FA Seminar
Content Summary: FA Seminar Material for Failure Analysis on Naval Surface Weapons, 1976

Box 52, Folder 3 Box 52, Folder 3, ICE Project Number 10126

ICE Folder Name: BT Seminar Oct.5-8
Content Summary: Receipts for Seminar and Accommodations, 1976

Box 52, Folder 4 Box 52, Folder 4, ICE Project Number 10127

ICE Folder Name: FA Seminar
Content Summary: Information on Low Noise and Low Power CMOS I2L

Box 52, Folder 5 Box 52, Folder 5, ICE Project Number 10128

ICE Folder Name: F.A. Seminar
Content Summary: Cancellation Correspondence for November 10-11, 1976 Seminar
Box 52, Folder 6  Box 52, Folder 6, ICE Project Number 10129

ICE Folder Name: Hybrid Seminar
Content Summary: Technical Reviews of Thin-Film, Thick-Film, and Compatible Techniques, 1976

Box 52, Folder 7  Box 52, Folder 7, ICE Project Number 10130

ICE Folder Name: Microprocessor Seminar
Content Summary: Seminar on Microprocessors for Management Applications, 1976

Box 52, Folder 8  Box 52, Folder 8, ICE Project Number 10131

ICE Folder Name: BT Seminar
Content Summary: Seminar on Basic Technology, 1976

Box 52, Folder 9  Box 52, Folder 9, ICE Project Number 10132

ICE Folder Name: FA Seminar 12/16-17
Content Summary: Seminar on Receipts for AZ Seminar, 1976

Box 52, Folder 10  Box 52, Folder 10, ICE Project Number 10133

ICE Folder Name: S.F. Failure Analysis seminar
Content Summary: Seminar on Wafer Failure, 1976

Box 52, Folder 12  Box 52, Folder 12, ICE Project Number 10135

ICE Folder Name: P/Q No. 1849 Mil. Market Synertek
Content Summary: Layout Rules and Electrical Design Parameters of Microprocessors, 1977

Box 52, Folder 14  Box 52, Folder 14, ICE Project Number 10137

ICE Folder Name: S& CElectric
Content Summary: Photograph of Zero Voltage Point Mil Std-883, 1976

Box 52, Folder 16  Box 52, Folder 16, ICE Project Number 10139

ICE Folder Name: MARTIN MARIETTA
Content Summary: Bill for Consulting Work to Martin-Marietta, 1976

Box 53, Folder 1  Box 53, Folder 1, ICE Project Number 10140
ICE Folder Name: I.T.T.
Content Summary: Semiconductor Considerations for the "ONE-WIRE" Car, 1976

Box 53, Folder 2
ICE Folder Name: P/Q No. 1850 N.E.L.C. Wirebonder Study

Box 53, Folder 3
ICE Folder Name: P/Q No. 1846 General Electric Microprocessor Influence
Content Summary: Request Form GE Semiconductor Products Division to Review the Effects of Microprocessor Application on GE-Served Discrete Semiconductor Component Market, 1976

Box 53, Folder 4
ICE Folder Name: P/Q No. 1857 GRANGER ASSOC. QA Consulting
Content Summary: Consulting on Production, 1976

Box 54, Folder 1
ICE Folder Name: P/Q #1862 McDonnell DOUGLAS ASTRO. Far-Out Space Study.
Content Summary: Semiconductor Material Manufacture in Space Versus that on Earth Effect or Yield of Wafer Material with Superior Mechanical and Electrical Characteristics and The Bandix Corporation 1975 Annual Report, 1976 (Transparencies Included)

Box 54, Folder 2
ICE Folder Name: SPERRY-UNIVAC
Content Summary: Availability of Sub-Nanosecond Emitter Coupled Logic (SNECL) Based on Fairchild Isoplanner II Process, 1976

Box 54, Folder 3
ICE Folder Name: GENERAL ELECTRIC CO. P/Q No. 1866
Content Summary: Design of Digital Scale Electronic System (Blueprints Included), 1976

Box 54, Folder 5
ICE Folder Name: Cutler-Hammer
Content Summary: Base Junction Determination, 1976 (Blueprints and Reference Materials Included)

Box 54, Folder 6
Box 54, Folder 6, ICE Project Number 10148b
ICE Folder Name: Cutler-Hammer
Content Summary: Base Junction Determination, 1976

Box 54, Folder 7
Box 54, Folder 7, ICE Project Number 10149
ICE Folder Name: GENERAL ELECTRIC
Content Summary: Review on Submicron Technologies, 1977

Box 55, Folder 1
Box 55, Folder 1, ICE Project Number 10150
ICE Folder Name: P/Q 1871 ELGIN ELECTRONICS, Inc. Layout and Design
Content Summary: Plans for a 16 Pin Dual In-line "ICLF", 1977 (Photographs Included)

Box 55, Folder 2
Box 55, Folder 2, ICE Project Number 10151a
ICE Folder Name: P/Q 1869 General Electric CB Radios
Content Summary: Proposal for Trends in Citizen's Band (CB) Radios, 1976

Box 55, Folder 3
Box 55, Folder 3, ICE Project Number 10151b
ICE Folder Name: P/Q 1869 General Electric CB Radios
Content Summary: Proposal for Trends in CB Radios, 1976

Box 55, Folder 4
Box 55, Folder 4, ICE Project Number 10152
ICE Folder Name: F.A Seminar Cancelled
Content Summary: Cancellation Notices for FA Seminar Oct 20-21, 1976

Box 55, Folder 5
Box 55, Folder 5, ICE Project Number 10153a
ICE Folder Name: NELC P/Q No. 1858
Content Summary: Application of Sub-Micron Technology to ICE, 1976

Box 56, Folder 1
Box 56, Folder 1, ICE Project Number 10153b
ICE Folder Name: NELC P/Q No. 1858
Content Summary: Application of Sub-Micron Technology to ICE, 1976
Box 56, Folder 2: Box 56, Folder 2, ICE Project Number 10154

ICE Folder Name: P/Q #1876 DATA PRODUCTS CORPORATION Product Analysis
Content Summary: Product Analysis of Selected 74LS Components, 1976

Box 56, Folder 3: Box 56, Folder 3, ICE Project Number 10155

ICE Folder Name: P/Q # 1873 Hearing Health Group Circuit Layout
Content Summary: Reports on a Hearing Aid Amplifier 43B00511, 1976

Box 56, Folder 4: Box 56, Folder 4, ICE Project Number 10156

ICE Folder Name: Honeywell, Inc. Proposal #1832
Content Summary: Plans for a Semiconductor Seminar

Box 56, Folder 5: Box 56, Folder 5, ICE Project Number 10157a

ICE Folder Name: Granger Associates
Content Summary: Information on Solid-state Component Procurement and Incoming Quality Assurance for Granger Associates, 1976

Box 56, Folder 6: Box 56, Folder 6, ICE Project Number 10157b

ICE Folder Name: Granger Associates
Content Summary: Solid-state Component Procurement and Incoming Quality Assurance, 1976

Box 57, Folder 1: Box 57, Folder 1, ICE Project Number 10158

ICE Folder Name: P/Q 1877A GENERAL ELECTRIC Mixer
Content Summary: Offer of a Solid-state Timer and to Alter the Ceramic Substrate to a Printed Circuit Board for the Model 420A Mixer, 1976

Box 57, Folder 2: Box 57, Folder 2, ICE Project Number 10159

ICE Folder Name: SIMCO
Content Summary: Review of the Burn-In Environmental Testing for SIMCO Electronics, 1976

Box 57, Folder 3: Box 57, Folder 3, ICE Project Number 10160

ICE Folder Name: P/Q #1886 ITT SEMICONDUCTORS Layout of LS139
Content Summary: Contracts for the Production of LS139, 1976
Box 57, Folder 4  Box 57, Folder 4, ICE Project Number 10161

ICE Folder Name: MEDTRONIC
Content Summary: Correspondence of Electrostatic Problems on Rate-Adjustable Xytrons, 1977

Box 57, Folder 5  Box 57, Folder 5, ICE Project Number 10162

ICE Folder Name: OPPENHEIMER
Content Summary: Contract for Consulting Service to Oppenheimer & Co.

Box 57, Folder 8  Box 57, Folder 8, ICE Project Number 10165a

ICE Folder Name: TRW P/Q No. 1903
Content Summary: Contracts for Consulting Services for TRW and Photographs of Various Chips 724II, 1977

Box 57, Folder 9  Box 57, Folder 9, ICE Project Number 10165b

ICE Folder Name: TRQ P/Q No. 1903
Content Summary: Consulting Services for TRW (Photographs Included)

Box 58, Folder 1  Box 58, Folder 1, ICE Project Number 10166

ICE Folder Name: P/Q No. 1882 DATA PRODUCTS CORP. Product Analysis
Content Summary: Fact Finding on 74ls07, 74LS37, 74LS74, 74LS136, 74LS259, 74LS367, 74LS181, 74LS193 (Photographs Included) 1977

Box 58, Folder 2  Box 58, Folder 2, ICE Project Number 10167

ICE Folder Name: P/Q No. 1901 General Electric Status Seminar
Content Summary: Information on a Special Seminar for IC Industry, 1977

Box 58, Folder 3  Box 58, Folder 3, ICE Project Number 10168

ICE Folder Name: P/Q # 1881 MEMOREX CORP. Seminar
Content Summary: Seminar on Circuits Interface, 1977

Box 58, Folder 4  Box 58, Folder 4, ICE Project Number 10169

ICE Folder Name: WEMA
Content Summary: Effect of DIE Size, 1977

Box 58, Folder 5  Box 58, Folder 5, ICE Project Number 10170
ICE Folder Name: FA Sem. Jan 19-20  
Content Summary: List of People Attending Seminar, 1977

Box 58A  
Series 16 material, contents unknown

Box 59, Folder 1  
ICE Project Number 10171
ICE Folder Name: P/Q No. 1878 ALLIED CHEMICAL SOS STUDY  
Content Summary: Request for a Silicon On Sapphire (SOS) Wafer Market Study by Materials Research Dept., 1977

Box 59, Folder 2  
Box 59, Folder 2, ICE Project Number 10172
ICE Folder Name: PERKIN-ELMER  
Content Summary: Details on the Productivity of SUBMICRON Technologies, 1977

Box 59, Folder 3  
Box 59, Folder 3, ICE Project Number 10173a
ICE Folder Name: Untitled  
Content Summary: Program Files for I2L, 1977

Box 59, Folder 4  
Box 59, Folder 4, ICE Project Number 10173b
ICE Folder Name: I2L References  
Content Summary: Information on Facilities of I2L, 1977

Box 59, Folder 5  
Box 59, Folder 5, ICE Project Number 10173c
ICE Folder Name: Transparencies for Wafer Circuit  
Content Summary: Series of Transparencies of Electronic Beam, 1977

Box 59, Folder 6  
Box 59, Folder 6, ICE Project Number 10173d
ICE Folder Name: Integrated Injection Logic I2L  
Content Summary: Background Information on I2L, 1977

Box 60, Folder 1  
Box 60, Folder 1, ICE Project Number 10174a
ICE Folder Name: Grumman/Cowen  
Content Summary: Reference on Random Access Memory (RAM) in 64K, 16K, and 4K, 1977

Box 60, Folder 2  
Box 60, Folder 2, ICE Project Number 10174b
ICE Folder Name: Grumman/Cowan  
Content Summary: RAM in 64K, 16K, and 4K, 1977

Box 60, Folder 5  
Box 60, Folder 5, ICE Project Number 10177

ICE Folder Name: P/Q Number 1902 ADERA (FRANCE) FA&BT Seminar  
Content Summary: Failure Analysis Seminar for ADERA-FRANCE, 1977

Box 60, Folder 7  
Box 60, Folder 7, ICE Project Number 10179

ICE Folder Name: Martin-Marietta  
Content Summary: Information on the Future of Tape for Automated Bonding in the Hybrid Industry, 1977

Box 61, Folder 1  
Box 61, Folder 1, ICE Project Number 10180

ICE Folder Name: PERKIN-ELMER P/Q No.1904  
Content Summary: Perkin-Elmer Mask Alignment Equipment, 1977

Box 61, Folder 2  
Box 61, Folder 2, ICE Project Number 10181a

ICE Folder Name: STATUS '77 Seminar Feb. 16  
Content Summary: Comprehensive Information on Projects Through ICE up to Feb 1977

Box 61, Folder 3  
Box 61, Folder 3, ICE Project Number 10181b
ICE Folder Name: STATUS '77 Seminar

Box 61, Folder 4  
Box 61, Folder 4, ICE Project Number 10182

ICE Folder Name: F.A. Sem. 2/9-10/77 Cancelled  
Content Summary: Cancellation Notice for February 9 and 10, 1977 Failure Analysis Seminar

Box 61, Folder 5  
Box 61, Folder 5, ICE Project Number 10183a

ICE Folder Name: Submicron Technology  
Content Summary: Notification of Project Stallings in Raytheon X-ray Sources, 1977

Box 62, Folder 1  
Box 62, Folder 1, ICE Project Number 10183b

ICE Folder Name: Untitled  
Content Summary: Information for Project with Military/Aerospace Market, 1977
<table>
<thead>
<tr>
<th>Box 62, Folder 2</th>
<th>Box 62, Folder 2, ICE Project Number 10183c</th>
</tr>
</thead>
<tbody>
<tr>
<td>ICE Folder Name: STATUS 1977</td>
<td></td>
</tr>
<tr>
<td>Content Summary: Data for GI Monolithic MOS IC, 1977</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Box 62, Folder 3</th>
<th>Box 62, Folder 3, ICE Project Number 10183d</th>
</tr>
</thead>
<tbody>
<tr>
<td>ICE Folder Name: STATUS ‘77</td>
<td></td>
</tr>
<tr>
<td>Content Summary: Various Information on Supplier Positions, 1977</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Box 63, Folder 1</th>
<th>Box 63, Folder 1, ICE Project Number 10184</th>
</tr>
</thead>
<tbody>
<tr>
<td>ICE Folder Name: GRANGER FAILURE ANALYSIS</td>
<td></td>
</tr>
<tr>
<td>Content Summary: Confidential Report on Purchase Order W-21084</td>
<td></td>
</tr>
<tr>
<td>Failure Analysis of Integrated Circuits Packaged in Plastic Packages, 1977</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Box 63, Folder 2</th>
<th>Box 63, Folder 2, ICE Project Number 10185</th>
</tr>
</thead>
<tbody>
<tr>
<td>ICE Folder Name: MARTIN- MARIETTA</td>
<td></td>
</tr>
<tr>
<td>Content Summary: Report on Job Classification Yields and Cost Effectiveness, 1977</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Box 63, Folder 3</th>
<th>Box 63, Folder 3, ICE Project Number 10186</th>
</tr>
</thead>
<tbody>
<tr>
<td>ICE Folder Name: EASTMAN KODAK P/Q No. 1911</td>
<td></td>
</tr>
<tr>
<td>Content Summary: Request by Eastman Kodak for Silicon Wafer Usage by Other Semiconductor Companies as a Function of Technology, 1977</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Box 63, Folder 5</th>
<th>Box 63, Folder 5, ICE Project Number 10188</th>
</tr>
</thead>
<tbody>
<tr>
<td>ICE Folder Name: IDANTA PARTNERS</td>
<td></td>
</tr>
<tr>
<td>Content Summary: Correspondence Over Micro Automation G-2 Process, 1977</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Box 63, Folder 6</th>
<th>Box 63, Folder 6, ICE Project Number 10189</th>
</tr>
</thead>
<tbody>
<tr>
<td>ICE Folder Name: Consolidated Frtwys.</td>
<td></td>
</tr>
<tr>
<td>Content Summary: Consultation Agreement Between ICE and Consolidated Freightways, 1977</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Box 63, Folder 7</th>
<th>Box 63, Folder 7, ICE Project Number 10190</th>
</tr>
</thead>
<tbody>
<tr>
<td>ICE Folder Name: BT Seminar Apr. 19-22</td>
<td></td>
</tr>
<tr>
<td>Content Summary: Registration Information for BT Seminar, April 19-22, 1977</td>
<td></td>
</tr>
</tbody>
</table>
Box 64, Folder 1  
ICE Folder Name: FA Seminar, Mar. 9-10  
Content Summary: Registration Information Regarding an FA Seminar, March 9-10, 1977

Box 64, Folder 2  
ICE Folder Name: FA Seminar, Apr. 13-14  
Content Summary: Registration Information Regarding an FA Seminar, April 13-14, 1977

Box 64, Folder 3  
ICE Folder Name: Untitled  
Content Summary: Economic Issues of ICE and Status Seminar, 1978

Box 64, Folder 4  
ICE Folder Name: (VSC) Cambridge Research  
Content Summary: Contractual Information for ICE and Cambridge Research, 1977

Box 65, Folder 1  
ICE Folder Name: P/Q# 1917 - DATAPRODUCTS F.A> on 144-Bit Register  
Content Summary: Failure Analysis of 144-bit mask programmable shift registers in an 8-pin epoxy package MM5060 from National Semiconductor and TMS 3132 from Texas Instruments, 1977 (Photographs Chips Included)

Box 65, Folder 2  
ICE Folder Name: ESSEX WIRE CO  
Content Summary: Design rules and suggested vendors for N-channel silicon gate depletion load MOS fabrication. 1977

Box 65, Folder 3  
ICE Folder Name: King Radio  
Content Summary: Request for Consulting from ICE, 1977

Box 65, Folder 4  
ICE Folder Name: XEROX CORPORATION P/Q No. 1945
Content Summary: Xerox Corporation Purchase Order No. 501488-56
Consultant Agreement

Box 65, Folder 5
Box 65, Folder 5, ICE Project Number 10198b
ICE Folder Name: XEROX CORPORATION P/Q No. 1956
Content Summary: Completion of Project No. 10198 and New Business, 1977

Box 66, Folder 1
Box 66, Folder 1, ICE Project Number 10199
ICE Folder Name: STATUS Sem. Mar. 30 (Aboard Q. Mary)

Box 66, Folder 2
Box 66, Folder 2, ICE Project Number 10200
ICE Folder Name: BURROUGHS CORPORATION P/Q No. 1913
Content Summary: Submicron Technology

Box 66, Folder 3
Box 66, Folder 3, ICE Project Number 10201
ICE Folder Name: HONEYWELL, INC. P/Q No. 1942
Content Summary: Submicron Technology: A Review of its Impact on the Electronics Industry

Box 66, Folder 4
Box 66, Folder 4, ICE Project Number 10202
ICE Folder Name: BT Book - 8th Edition
Content Summary: Integrated Circuit Technology Book, January 1977 (Objects Included)

Box 66, Folder 5
Box 66, Folder 5, ICE Project Number 10203
ICE Folder Name: BT Seminar - Honeywell/Plymouth MN. Apr. 4-7

Box 66, Folder 6
Box 66, Folder 6, ICE Project Number 10204
ICE Folder Name: ITT - Submicron

Box 66, Folder 7
Box 66, Folder 7, ICE Project Number 10205
ICE Folder Name: EASTMAN KODAK - CUSTOM DESIGN SEM. P/Q#1928
Content Summary: Custom LSI Design Seminar, 1977

Box 66, Folder 9
Box 66, Folder 9, ICE Project Number 10207
ICE Folder Name: F/A LAB PROJECT
Content Summary: Pacific Reliability Corporation: Screening and Testing Semiconductors

Box 66, Folder 10
Box 66, Folder 10, ICE Project Number 10208

ICE Folder Name: CUSTOM DEVICES
Content Summary: Failure Analysis Report on 1N4148 Diodes, March 1977

Box 67, Folder 1
Box 67, Folder 1, ICE Project Number 10209a

ICE Folder Name: Motorola
Content Summary: Summarized Failure Mode/Mechanism Data

Box 67, Folder 2
Box 67, Folder 2, ICE Project Number 10209b

ICE Folder Name: Motorola
Content Summary: Rough Draft - Chapter 7

Box 67, Folder 3
Box 67, Folder 3, ICE Project Number 10209c

ICE Folder Name: Motorola
Content Summary: Chemical and Intermetallic Interactions

Box 67, Folder 5
Box 67, Folder 5, ICE Project Number 10211
ICE Folder Name: F/A SEMINAR - Scottsdale May 11-12, 1977 Project No. 10211

Box 67, Folder 6
Box 67, Folder 6, ICE Project Number 10212
ICE Folder Name: Project No. 10212 - F/A Seminar May 25-26 - Santa Clara, CA

Box 68, Folder 1
Box 68, Folder 1, ICE Project Number 10213

ICE Folder Name: NEC P/Q No. 1912
Content Summary: Submicron Briefing and IC Status ’77

Box 68, Folder 2
Box 68, Folder 2, ICE Project Number 10214

ICE Folder Name: 1925 SPRINGFIELD INSTRUMENT CO., INC.
Content Summary: Feasibility Study & Preliminary Design of Electronic Weather Station

Box 68, Folder 3
Box 68, Folder 3, ICE Project Number 10215a
ICE Folder Name: RADC Product Analysis
Content Summary: Amendment of Solicitation/Modification of Contract, June 1977

Box 68, Folder 4
Box 68, Folder 4, ICE Project Number 10215b

ICE Folder Name: P/Q No. 1972 - RADC - "PRODUCT EVALUATION OF MICROPROCESSOR SUPPORT DEVICES"
Content Summary: Preliminary Reports on the M8212, M8224, M8228, and M8251

Box 68, Folder 5
Box 68, Folder 5, ICE Project Number 10215c

ICE Folder Name: RADC Product Evaluation
Content Summary: Product Evaluation Reports on the circuit type C8257 4 channel Direct Memory Access (DMA) controller, Am2915, Am2916, and Am2917 quad- high speed LSI bus Transceivers, and MC6854 Motorola Advanced Data Link Controller.

Box 69, Folder 1
Box 69, Folder 1, ICE Project Number 10215d

ICE Folder Name: RADC Product Evaluation
Content Summary: Product Evaluation Reports on the Intel C8255 general purpose programmable I/O device designed for use with the 8008, 8080, 8085 microprocessors, Intel 8259 Priority Interrupt Controller, and Motorola MX6840 Programmable Timer Module for M6800 family designed to provide system time intervals; (Photos and Objects Included Throughout)

Box 69, Folder 2
Box 69, Folder 2, ICE Project Number 10216a

ICE Folder Name: COIN ACCEPTORS
Content Summary: Coinductor Acceptor System Definition No.10216

Box 69, Folder 3
Box 69, Folder 3, ICE Project Number 10216b

ICE Folder Name: Coin Acceptors P/Q No. 1952 Coinductor Acceptor System Definition
Content Summary: Preliminary Draft of Coinductors Acceptor System Definition, June 1977

Box 69, Folder 4
Box 69, Folder 4, ICE Project Number 10217

ICE Folder Name: ITT - "YORKGUARD"
Content Summary: Split-system Heat Pump, 1977

Box 70, Folder 1
Box 70, Folder 1, ICE Project Number 10218
ICE Folder Name: CHERRY ELECTRICAL PRODUCTS CORP P/Q No. 1957
Content Summary: Micro Components Corporation Evaluation (Photographs Included), 1977

Box 70, Folder 2
Box 70, Folder 2, ICE Project Number 10219

Content Summary: Investigation of Custom Circuit Leakage Problem, April 1977

Box 70, Folder 3
Box 70, Folder 3, ICE Project Number 10220
ICE Folder Name: GENERAL ELECTRIC COMPANY F/A SEMINAR - May 18-19 SYRACUSE, NY

Box 70, Folder 4
Box 70, Folder 4, ICE Project Number 10221a
ICE Folder Name: BT SEMINAR - Oct. 26-28 SCOTTSDALE

Box 70, Folder 5
Box 70, Folder 5, ICE Project Number 10221b
ICE Folder Name: BT SEMINAT - Oct 26-28 SCOTTSDALE

Box 70, Folder 6
Box 70, Folder 6, ICE Project Number 10222
ICE Folder Name: CAD

Box 70, Folder 7
Box 70, Folder 7, ICE Project Number 10223
Content Summary: Restraining Order, GI and Dionics (Objects and Photographs Included)

Box 71, Folder 1
Box 71, Folder 1, ICE Project Number 10223a
ICE Folder Name: SOLITRON DEVICES
Content Summary: Solitron San Diego Business Plan Fiscal 1976

Box 71, Folder 2
Box 71, Folder 2, ICE Project Number 10223b
ICE Folder Name: SOLITRON DEVICES P/Q No. 1965
Content Summary: Selling the Solitron Devices Semiconductor Facility in San Diego, CA, May 1977

Box 71, Folder 3
Box 71, Folder 3, ICE Project Number 10225
ICE Folder Name: MICRO COMPONENTS CORPORATION P/Q No. 1969
Content Summary: Utilization of Services on Yield Improvement

Box 71, Folder 4
Box 71, Folder 4, ICE Project Number 10226
ICE Folder Name: P/Q No. 1960 - INFOMAG SSI Integrated Circuit Analysis/Seminar

Box 71, Folder 5
Box 71, Folder 5, ICE Project Number 10227a
ICE Folder Name: PHILCO/MEXICO-FEASIBILITY STUDY
Content Summary: Market Study of Mexico and Latin America in the Area of Semiconductor Integrated Circuits for Philco Mexico

Box 72, Folder 1
Box 72, Folder 1, ICE Project Number 10227b
ICE Folder Name: PHILCO/Mexico - IC Facility Study P/Q#1926
Content Summary: Philco-Mexico Reports, Charts, and Graphs

Box 72, Folder 2
Box 72, Folder 2, ICE Project Number 10228
ICE Folder Name: PROJECT NO. 10228 F/A SEMINAR JULY 13-14- ROYAL INN-SAN DIEGO, CA

Box 72, Folder 3
Box 72, Folder 3, ICE Project Number 10229a
ICE Folder Name: STATUS SEMINAR-AUG.10 RICKEY's HYATT HOUSE, PALO ALTO, CA

Box 72, Folder 4
Box 72, Folder 4, ICE Project Number 10229b
ICE Folder Name: Status Seminar
Content Summary: Rough Draft of Report

Box 72, Folder 5
Box 72, Folder 5, ICE Project Number 10230
ICE Folder Name: HANDS ON TRAINING PROGRAM
Content Summary: "Hands On" Silicon Wafer Fab Training Program, June 1977

Box 72, Folder 6
Box 72, Folder 6, ICE Project Number 10231
ICE Folder Name: F/A SEMINAR-SEPT. 7-8 SEATTLE, WA

Box 73, Folder 1
Box 73, Folder 1, ICE Project Number 10232
ICE Folder Name: F/A SEMINAR SEPT. 14-15-LA, CA

Box 73, Folder 2
Box 73, Folder 2, ICE Project Number 10233
ICE Folder Name: F/A SEMINAR OCT. 19-20 - SCOTTSDALE

Box 73, Folder 3
Box 73, Folder 3, ICE Project Number 10234
ICE Folder Name: F/A Seminar - Nov. 9-10 LeBaron Hotel San Jose, Calif.

Box 73, Folder 4
Box 73, Folder 4, ICE Project Number 10235
ICE Folder Name: MICROPROCESSORS FOR MANAGEMENT SEMINAR, Dec. 1, 1977

Box 73, Folder 5
Box 73, Folder 5, ICE Project Number 10236
ICE Folder Name: F/A Seminar - Dec. 7-8 Scottsdale

Box 74, Folder 1
Box 74, Folder 1, ICE Project Number 10237a

ICE Folder Name: ITT - Automotive Sensors P/Q# 1915A
Content Summary: Automotive Sensor Study Program, March 1977
(Photographs Included)

Box 74, Folder 2
Box 74, Folder 2, ICE Project Number 10237b

ICE Folder Name: ITT - Automotive Sensors
Content Summary: Automotive Sensor Requirements

Box 74, Folder 3
Box 74, Folder 3, ICE Project Number 10237c
ICE Folder Name: ITT - Automotive Sensors

Box 74, Folder 4
Box 74, Folder 4, ICE Project Number 10238

ICE Folder Name: I2L TECHNICAL EVALUATION SEMINAR & Publication, May 1977
Content Summary: Photographs Included

Box 74, Folder 5
Box 74, Folder 5, ICE Project Number 10239

ICE Folder Name: CHERRY ELECTRICAL PRODUCTS P/Q No. 1964
Content Summary: The Market and Application of Semiconductor Technology to Sensors, July 1977

Box 75, Folder 1
Box 75, Folder 1, ICE Project Number 10240

ICE Folder Name: P/Q 1916 - MONSANTO Design IC Chip
Content Summary: Transferring all Rights to all Tooling of the Mask Set ICE-775 in the form of four test tapes, May 1977

Box 75, Folder 2
Box 75, Folder 2, ICE Project Number 10241
ICE Folder Name: P/Q #1976 PANASONIC COMPANY Personalized Seminar

Box 75, Folder 3
Box 75, Folder 3, ICE Project Number 10242
ICE Folder Name: ITT Tape Bonding Seminar, June 1977

Box 75, Folder 4

ICE Folder Name: P/Q #1987 CARDIAC PACEMAKERS Design of 32 KHZ I.C.
Content Summary: Custom Circuits Using 32 KHZ Crystal, June 1977

Box 75, Folder 5

ICE Folder Name: P/Q #1979 CARDIAC PACEMAKERS, INC. REDESIGN OF CPI I.C.
Content Summary: Report on Performance of Defective Nor Gate and the Characteristics of the Input Protection Scheme, June 1977

Box 75, Folder 6

ICE Folder Name: P/Q No. 2014 CARDIAC PACEMAKERS Surveillance of AMI
Content Summary: Redesign of Linear Circuit for Eventual Integration, September 1977

Box 75, Folder 7

ICE Folder Name: PERKING-ELMER AUTO ALIGNMENT MASK ALIGNER STUDY
Content Summary: Microalign Autoalign Review, July 1977

Box 75, Folder 8

ICE Folder Name: P/Q No. 1980 ESSEX-EEC II COST & TECHINICAL EVALUATION
Content Summary: Evaluation of Cost and Technical Improvements for Electronic Engine Control II (EEC II) for Ford Motor Company, June 1977

Box 76, Folder 1

ICE Folder Name: Essex Group EEC II Cost & Technical Evaluation

Box 76, Folder 2

ICE Folder Name: Essex Group EE II Cost & Technical Evaluation
Content Summary: Position and Default Detector Device, May 1977
<table>
<thead>
<tr>
<th>Box 76, Folder 3</th>
<th>Box 76, Folder 3, ICE Project Number 10246</th>
</tr>
</thead>
<tbody>
<tr>
<td>ICE Folder Name: P/Q No. 1982 ESSEX- IC PACKAGING</td>
<td></td>
</tr>
<tr>
<td>Content Summary: Report on Tape Automated Bonding, August 1977</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Box 76, Folder 4</th>
<th>Box 76, Folder 4, ICE Project Number 10247</th>
</tr>
</thead>
<tbody>
<tr>
<td>ICE Folder Name: Hearing Health Mask Revision</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Box 76, Folder 5</th>
<th>Box 76, Folder 5, ICE Project Number 10248a</th>
</tr>
</thead>
<tbody>
<tr>
<td>ICE Folder Name: WORLD BANK (KOREA) REPORT FOR PREPARATION MISSION /IBRD</td>
<td></td>
</tr>
<tr>
<td>Content Summary: Status of the Korean Semiconductor Industry, March 1978</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Box 77, Folder 1</th>
<th>Box 77, Folder 1, ICE Project Number 10248b</th>
</tr>
</thead>
<tbody>
<tr>
<td>ICE Folder Name: WORLD BANK (KOREA) CORRESPONDENCE</td>
<td></td>
</tr>
<tr>
<td>Content Summary: Consulting Agreement, August 1977</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Box 77, Folder 2</th>
<th>Box 77, Folder 2, ICE Project Number 10248c</th>
</tr>
</thead>
<tbody>
<tr>
<td>ICE Folder Name: WORLD BANK (KOREA) GRM TRIPS (VARIOUS)</td>
<td></td>
</tr>
<tr>
<td>Content Summary: Training and Evaluation Program, 1977</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Box 77, Folder 3</th>
<th>Box 77, Folder 3, ICE Project Number 10248d</th>
</tr>
</thead>
<tbody>
<tr>
<td>ICE Folder Name: WORLD BANK (KOREA) GRM TRIPS (VARIOUS)</td>
<td></td>
</tr>
<tr>
<td>Content Summary: Training and Evaluation Program, 1977</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Box 78, Folder 1</th>
<th>Box 78, Folder 1, ICE Project Number 10248e</th>
</tr>
</thead>
<tbody>
<tr>
<td>ICE Folder Name: WORLD BANK (KOREA)</td>
<td></td>
</tr>
<tr>
<td>Content Summary: Research and Development for Semiconductor &amp; Systems Industry, July 1977</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Box 78, Folder 2</th>
<th>Box 78, Folder 2, ICE Project Number 10248f</th>
</tr>
</thead>
<tbody>
<tr>
<td>ICE Folder Name: WORLD BANK (KOREA)</td>
<td></td>
</tr>
<tr>
<td>Content Summary: Four-Year Business Planning Folders</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Box 78, Folder 3</th>
<th>Box 78, Folder 3, ICE Project Number 10248g</th>
</tr>
</thead>
<tbody>
<tr>
<td>ICE Folder Name: WORLD BANK (KOREA)</td>
<td></td>
</tr>
</tbody>
</table>
Content Summary: Action/ Draft/Copy KIET Program Review, July 1977

Box 78, Folder 4  Box 78, Folder 4, ICE Project Number 10248h
ICE Folder Name: WORLD BANK (KOREA)
Content Summary: Correspondence 1978 I

Box 79, Folder 1  Box 79, Folder 1, ICE Project Number 10248i
ICE Folder Name: WORLD BANK (KOREA)
Content Summary: Correspondence 1978 II

Box 79, Folder 2  Box 79, Folder 2, ICE Project Number 10248j
ICE Folder Name: WORLD BANK (KOREA)
Content Summary: Correspondence 1978 III

Box 79, Folder 3  Box 79, Folder 3, ICE Project Number 10248k
ICE Folder Name: WORLD BANK (KOREA)
Content Summary: Correspondence 1978 IV

Box 79, Folder 4  Box 79, Folder 4, ICE Project Number 10248l
ICE Folder Name: WORLD BANK (KOREA)
Content Summary: Request for Funds for Establishment of the Korea Electronic Communication Research Institute & Gold Star Wafer-Fab Program, March 1977

Box 80, Folder 1  Box 80, Folder 1, ICE Project Number 10248m
ICE Folder Name: WORLD BANK (KOREA)

Box 80, Folder 2  Box 80, Folder 2, ICE Project Number 10248n
ICE Folder Name: KIET - SI WAFER FAB TRAINING P/Q NO. 2096
Content Summary: World Bank (Korea) Standardized Universal Microprocessor/Microcomputer, June 1978

Box 80, Folder 3  Box 80, Folder 3, ICE Project Number 10248o
ICE Folder Name: WORLD BANK (KOREA)
Content Summary: Original Copies of Korean Institute of Electronics Technology (KIET) Program and Korea Electronics Research and Design Mission, June 1978

Box 80, Folder 4  Box 80, Folder 4, ICE Project Number 10238p

ICE Folder Name: WORLD BANK (KOREA) GRM NOTES
Content Summary: Ferguson and Associates Report on the KIET Project, March 1978

Box 81, Folder 1  Box 81, Folder 1, ICE Project Number 10248q

ICE Folder Name: WORLD BANK (KOREA)
Content Summary: Ferguson Associates Report (Notes by Glen R. Madland), Parts I, II, and III, August 1978

Box 81, Folder 2  Box 81, Folder 2, ICE Project Number 10249a

ICE Folder Name: ITT - Consulting for new LSI ENGINEERING FACILITY
Content Summary: Contract for consulting services between ICE and International Telephone and Telegraph Corporation. 1977

Box 81, Folder 3  Box 81, Folder 3, ICE Project Number 10249b

ICE Folder Name: ITT - Background Material

Box 82, Folder 1  Box 82, Folder 1, ICE Project Number 10249c

ICE Folder Name: ITT
Content Summary: Wet Etching & Scanning Electron Microscope Areas, September 1977

Box 82, Folder 2  Box 82, Folder 2, ICE Project Number 10250
ICE Folder Name: P/Q No. 1983 - KING RADIO-I2L TECHINICAL EVALUATION SEMINAR

Box 82, Folder 3  Box 82, Folder 3, ICE Project Number 10251

ICE Folder Name: DATA PRODUCTS
Content Summary: Decap & Evaluate MM5060 Shift Registers, November 1977

Box 82, Folder 4  Box 82, Folder 4, ICE Project Number 10252
ICE Folder Name: CARDIAC PACEMAKERS
Content Summary: Consulting on Destructive Parts, Analysis of Four Hybrids: CPI Minilith S/N, Raytheon Minilith S/N 32678, CPI UL S/0045 (Teledyne sent on Project File #10-253), Publication: S/A 016096, (Objects and Photographs Included) June 1977

Box 82, Folder 5
Box 82, Folder 5, ICE Project Number 10253
Content Summary: Objects in Conjunction with Project File #10-252

Box 82, Folder 7
Box 82, Folder 7, ICE Project Number 10255
ICE Folder Name: CTS Microelectronics, Inc.
Content Summary: Failure Analysis Report of Q5 & Q8 of Hybrid, July 1977

Box 82, Folder 8
Box 82, Folder 8, ICE Project Number 10256
ICE Folder Name: P/Q # 1992 - Silicon General
Content Summary: DPA Control Form, August 1977

Box 82, Folder 9
Box 82, Folder 9, ICE Project Number 10257
ICE Folder Name: LeCROY RESEARCH
Content Summary: Development of Ion-Engraved Techniques for Integrated Circuits (Photographs Included), September 1977

Box 83, Folder 1
Box 83, Folder 1, ICE Project Number 10258
ICE Folder Name: EASTMAN KODAK CO. Custom Status Seminar

Box 83, Folder 2
Box 83, Folder 2, ICE Project Number 10259
ICE Folder Name: General Electric
Content Summary: Failure analysis on Low Power Circuits made by National Semiconductor 1977

Box 83, Folder 3
Box 83, Folder 3, ICE Project Number 10260a
ICE Folder Name: MARSHALL SPACE FLIGHT CENTER
Content Summary: Equipment Vendors' Response, 1977

Box 83, Folder 4
Box 83, Folder 4, ICE Project Number 10260b
ICE Folder Name: Marshall Space Flight Center
Content Summary: Method Worksheets

Box 83, Folder 5
Box 83, Folder 5, ICE Project Number 10260c
ICE Folder Name: Marshall Space Flight Center
Content Summary: Test Methods and Procedures for Microcircuit Line Certification

Box 84, Folder 1
Box 84, Folder 1, ICE Project Number 10260d

ICE Folder Name: Marshall Space Flight Center
Content Summary: Contract Instructions and Class A Microcircuit Interchange Meeting Notes, November 1977

Box 84, Folder 2
Box 84, Folder 2, ICE Project Number 10260e

ICE Folder Name: Marshall Space Flight Center
Content Summary: NASA - Alabama Work Statements

Box 84, Folder 3
Box 84, Folder 3, ICE Project Number 10260f

ICE Folder Name: Marshall Space Flight Center
Content Summary: Memos, Correspondence, and Call Reports with NASA, 1978

Box 84, Folder 4
Box 84, Folder 4, ICE Project Number 10260g

ICE Folder Name: Marshall Space Flight Center
Content Summary: Test Methods and Procedures for Microcircuit Line Certification (NASA)

Box 85, Folder 1
Box 85, Folder 1, ICE Project Number 10260h

ICE Folder Name: Marshall Space Flight Center
Content Summary: Handbook Rewrites for NHB 5300.4, September 1978

Box 85, Folder 2
Box 85, Folder 2, ICE Project Number 10260i

ICE Folder Name: Marshall Space Flight Center

Box 85, Folder 4
Box 85, Folder 4, ICE Project Number 10262

ICE Folder Name: Northrop Corporation-Aluminum Wire Bonding Problem P/Q # 2000
Content Summary: Consultant Agreement, August 1977

Box 85, Folder 5
Box 85, Folder 5, ICE Project Number 10263
ICE Folder Name: TEKTRONIX -F/A Seminar Oct. 5-6, 1977

Box 85, Folder 6
Box 85, Folder 6, ICE Project Number 10264a

ICE Folder Name: MOTOROLLA ESTAC CUSTOM DESIGN
Content Summary: Design and Drafting Services of Electronic Spark Timing Advance Control, September 1978

Box 86, Folder 1
Box 86, Folder 1, ICE Project Number 10264b

ICE Folder Name: Motorola Estac Custom Design
Content Summary: Chrysler Electronic Spark Timing Advance Control (ESTAC) Review, February 1978

Box 86, Folder 2
Box 86, Folder 2, ICE Project Number 10264c

ICE Folder Name: Motorola Estac Custom Design
Content Summary: Process Steps for Silicon Nitride Capacitors, January 1977

Box 86, Folder 3
Box 86, Folder 3, ICE Project Number 10265

ICE Folder Name: MARTIN-MARIETTA (New Microelectronic Facility)
Content Summary: Report on Consultant Services - New Microelectronics Building, November 1977

Box 86, Folder 4
Box 86, Folder 4, ICE Project Number 10266

ICE Folder Name: SOLITRON Equipment Evaluation
Content Summary: Consulting Agreement for Solitron Devices, Inc. September 1977

Box 86, Folder 5
Box 86, Folder 5, ICE Project Number 10267a

ICE Folder Name: P/Q NO. 2010 - NELC OBsolescence of IC's Study
Content Summary: A Study and Analysis of the Availability of Typical Integrated Circuit Families Required for Military Systems that are to Become Obsolete (Phase II), June 1978

Box 86, Folder 6
Box 86, Folder 6, ICE Project Number 10267b

ICE Folder Name: NELC
Content Summary: A Study of Obsolete Integrated Circuits Prepared for the Naval Ocean Systems Center (NOSC), November 1977
Box 87, Folder 1  
ICE Folder Name: DATAPRODUCTS  
Content Summary: Analysis on Glassivation Layer MM5060, September 1977

Box 87, Folder 2  
ICE Folder Name: Varo Semiconductor  
Content Summary: OHMIC Contacts to Semiconductors, January 1978

Box 87, Folder 3  
ICE Folder Name: Varo Semiconductor  
Content Summary: Correspondence, Call Reports, and Invoices, 1978

Box 87, Folder 4  
ICE Folder Name: Varo Semiconductor  

Box 87, Folder 5  
ICE Folder Name: LEAR-SIEGLER, INC. LSI CONSULTING & STATUS SEMINAR  
Content Summary: (Photographs and Objects Included)

Box 88, Folder 1  
ICE Folder Name: P/Q 2020 LEAR SIEGLER INC. LSI CONSULTING & STATUS SEMINAR  
Content Summary: The Role of Custom Integrated Circuits at Lear Siegler, Inc., November 1977

Box 88, Folder 2  
ICE Folder Name: P/Q #2023 KING RADIO INSPECTION CRITERIA CONSULTING  
Content Summary: King Radio Corporation Electrical Inspection Procedure for Pchannel Depletion Load MOS Wafers, August 1976

Box 88, Folder 3  
ICE Folder Name: FAILURE ANALYSIS SEMINAR Scottsdale, Ramada Inn-  
Jan. 10-11, 1978
Content Summary: A Companion Publication to ICE's Manufacturing Facilities Guidelines, 1980

Box 91, Folder 4
Box 91, Folder 4, ICE Project Number 10291
ICE Folder Name: NCR-Rancho Ber. CUSTOM IC PROPOSAL ASS.
Content Summary: Custom IC Development Program, December 1977

Box 91, Folder 5
Box 91, Folder 5, ICE Project Number 10292a
ICE Folder Name: Western Electric
Content Summary: Technical Analysis: MOS Silicon-Gate Integrated Circuit NCR-412570, July 1978

Box 91, Folder 6
Box 91, Folder 6, ICE Project Number 10292b
ICE Folder Name: Western Electric

Box 91, Folder 7
Box 91, Folder 7, ICE Project Number 10293a
ICE Folder Name: Shugart Associates
Content Summary: Engineering Specifications & Consulting Agreement 1978

Box 92, Folder 1
Box 92, Folder 1, ICE Project Number 10293b
ICE Folder Name: Shugart Associates
Content Summary: Analysis of the MC 3470 Floppy Disk Read Amplifier Manufactured by Motorola Inc.

Box 92, Folder 2
Box 92, Folder 2, ICE Project Number 10293c
ICE Folder Name: Shugart Associates
Content Summary: Floppy Disc READ Amplifier System, December 1977

Box 92, Folder 3
Box 92, Folder 3, ICE Project Number 10293d
ICE Folder Name: Shugart Associates
Content Summary: Analysis of Step Motor Driven Circuit (Items IIA through IIG in Contract)(Objects Included)

Box 92, Folder 4
Box 92, Folder 4, ICE Project Number 10294a
ICE Folder Name: Honeywell Hdbk-System Implm.
Content Summary: Typical PC Board Requirements and Semi-Custom Development Costs

Box 92, Folder 5
Box 92, Folder 5, ICE Project Number 10294b
ICE Folder Name: Honeywell
Content Summary: Project Handbook, 1978

Box 93, Folder 1
Box 93, Folder 1, ICE Project Number 10295
ICE Folder Name: SHUGART ASSOC. ANNUAL CONSULTING AGREEMENT
Content Summary: Contract for Analysis, Measurement and Recommendation of READ Amplifier and Step Motor Driver Integrated Circuits, December 1977

Box 93, Folder 2
Box 93, Folder 2, ICE Project Number 10296a
ICE Folder Name: GENERAL ELECTRIC
Content Summary: The Future of LSI by Glen R. Madland, President ICE Corporation, June 1977

Box 93, Folder 3
Box 93, Folder 3, ICE Project Number 10296b
ICE Folder Name: General Electric
Content Summary: The Future of LSI (Rough Draft)

Box 93, Folder 4
Box 93, Folder 4, ICE Project Number 10297
ICE Folder Name: BOEING CO. P/Q No. 2036
Content Summary: Microbeam Analysis Techniques for ICs and Purchase Order No. H-971719-8630, February 1978

Box 93, Folder 5
Box 93, Folder 5, ICE Project Number 10298
Content Summary: Copy of JEE Newsletter May '81 and OKI MSM 3764 AS SENSE AMP AND CELLS Diagram

Box 93, Folder 6
Box 93, Folder 6, ICE Project Number 10299
ICE Folder Name: STD.MICROSYSTEM "4027 DPA"
Content Summary: Report on MCM4027 4K RAM, January 1977

Box 93, Folder 7
Box 93, Folder 7, ICE Project Number 10300a
ICE Folder Name: GRUMMAN ANNUAL CONSULTING '78
Content Summary: G.S. Grumman/Cowen 1978/79 Mini/Microcomputer Conference, September 1978

Box 93, Folder 8
Box 93, Folder 8, ICE Project Number 10300b

ICE Folder Name: Grumman Annual Consulting
Content Summary: Copies of "Microelectronics News With Manager's Casebook," 1978

Box 94, Folder 1
Box 94, Folder 1, ICE Project Number 10300c

ICE Folder Name: Grumman Annual Consulting
Content Summary: Speech Outline: The Structure of the Integrated Circuits Industry in 1985

Box 94, Folder 2
Box 94, Folder 2, ICE Project Number 10300d

ICE Folder Name: Grumman Annual Consulting
Content Summary: Copies of "Microelectronic News" and "Electronics Letter" 1978

Box 94, Folder 3
Box 94, Folder 3, ICE Project Number 10301

ICE Folder Name: VARO SEMICONDUCTOR
Content Summary: Market Presentation and Varo Probing Specification U of A Processing Program, 1978

Box 94, Folder 4
Box 94, Folder 4, ICE Project Number 10302

ICE Folder Name: MONOLITHIC MEMORIES-APPLICA. SEMS
Content Summary: Programmable Array Logic Seminar, February 1978

Box 94, Folder 6
Box 94, Folder 6, ICE Project Number 10304

ICE Folder Name: Micro Components Corporation P/Q No. 2035
Content Summary: Analysis Program for Custom Bipolar IC's, February 1978

Box 94, Folder 7
Box 94, Folder 7, ICE Project Number 10305

ICE Folder Name: Sale of Product Lines - ITT
Content Summary: List of ITT Semiconductors IC Product Families, February 1978

Box 94, Folder 8
Box 94, Folder 8, ICE Project Number 10306
ICE Folder Name: Sale of SurPLUS LED EQUIP. BOWMAR
Content Summary: List of Items Available for Sale from Bowmar/Canada, December 1977

Box 94, Folder 9  Box 94, Folder 9, ICE Project Number 10307a

ICE Folder Name: NASA
Content Summary: Federal Emission Control Requirements

Box 94, Folder 10  Box 94, Folder 10, ICE Project Number 10307b

ICE Folder Name: P/Q #2037 NASA _SAFETY FACILITY STUDY
Content Summary: Copies of Safety Procedures and Appointment of Contracting Officer Representative, February 1978

Box 95, Folder 1  Box 95, Folder 1, ICE Project Number 10307c

ICE Folder Name: NASA
Content Summary: FED Emission Control Requirements: A Special Task Study for NASA, June 1978

Box 95, Folder 2  Box 95, Folder 2, ICE Project Number 10307d

ICE Folder Name: NASA-Safety Handbook Facilities
Content Summary: Facility Safety Study and Addendum to Facility Safety Study, October 1979 & April 1980

Box 95, Folder 3  Box 95, Folder 3, ICE Project Number 10307e

ICE Folder Name: NASA
Content Summary: Operations and Safety Checklist General Facilities, October 1979

Box 95, Folder 4  Box 95, Folder 4, ICE Project Number 10307f

ICE Folder Name: NASA
Content Summary: Raising and Lowering Building 4550 Sliding Door Assembly and Air Pollution Control Rules and Regulations, April 1978

Box 96, Folder 1  Box 96, Folder 1, ICE Project Number 10307g

ICE Folder Name: NASA
Content Summary: FED Emission Requirements and Addendum to Facility Safety Study, April 1980

Box 96, Folder 2  Box 96, Folder 2, ICE Project Number 10308
ICE Folder Name: CUTLER HAMMER CONSULTING
Content Summary: Cutler-Hammer/Unitrode Joint Project, February 1978

Box 96, Folder 3  Box 96, Folder 3, ICE Project Number 10309

ICE Folder Name: MICRO COMPONENTS CORPORATION P/Q No. 2055
Content Summary: Correspondence Regarding Contract for Yield Improvements, 1978

Box 96, Folder 4  Box 96, Folder 4, ICE Project Number 10310

ICE Folder Name: P/Q No.: 2049 HONEYWELL-Micro Switch Division 2nd Source Supplier
Content Summary: Second Source Supplier Screening, April 1978

Box 96, Folder 5  Box 96, Folder 5, ICE Project Number 10311

ICE Folder Name: SILISON GENER. FACILITY STUDY
Content Summary: Equipment Lists and Contact Names for Project P/Q 2068, March 1978

Box 96, Folder 6  Box 96, Folder 6, ICE Project Number 10312a

ICE Folder Name: NASA New Product Evaluation
Content Summary: Product Evaluation of 1802 CMOS Microprocessor & Associate Memory Devices, July 1978

Box 97, Folder 1  Box 97, Folder 1, ICE Project Number 10312b

ICE Folder Name: NASA
Content Summary: Product Evaluations (Including Photographs)

Box 98, Folder 1  Box 98, Folder 1, ICE Project Number 10312c

ICE Folder Name: NASA
Content Summary: Award/Contract for Product Evaluation of 1802 CMOS Microprocessor and Associated Memory Devices

Box 98, Folder 2  Box 98, Folder 2, ICE Project Number 10312d

ICE Folder Name: NASA
Content Summary: Test Evaluation and Analysis of Parts for NASA Standard Parts Program, September 1978

Box 98, Folder 3  Box 98, Folder 3, ICE Project Number 10312e
ICE Folder Name: NASA
Content Summary: Product Evaluation of the RCA and Hughes 1824 Microprocessor Contract NAS8-33004 (Photographs Included)

Box 98, Folder 4
Box 98, Folder 4, ICE Project Number 10312f

ICE Folder Name: NASA
Content Summary: Hughes CMOS Microprocessor 32x8 Static RAM (Photographs Included)

Box 98, Folder 5
Box 98, Folder 5, ICE Project Number 10312g

ICE Folder Name: NASA
Content Summary: Product Evaluation of the RCA and Hughes 1832, 1024 x 8 Static ROM Contract NAS 8-33004 (Photographs Included), October 1978

Box 98, Folder 6
Box 98, Folder 6, ICE Project Number 10213h

ICE Folder Name: NASA
Content Summary: Product Evaluation of the RCA and Hughes 1832, 1024 x 8 Static RAM Contract NAS 8-33004 (Photographs Included), October 1978

Box 98, Folder 7
Box 98, Folder 7, ICE Project Number 10312i

ICE Folder Name: NASA
Content Summary: Product Evaluation of 1834 1024 Word x 8 BIT Read Only Memory (ROM)

Box 99, Folder 1
Box 99, Folder 1, ICE Project Number 10313a

ICE Folder Name: Status 1979 GRM Notes
Content Summary: Correspondence and Status Report '79, June 1979

Box 99, Folder 2
Box 99, Folder 2, ICE Project Number 10313b

ICE Folder Name: Status 1979 GRM Notes

Box 99, Folder 3
Box 99, Folder 3, ICE Project Number 10313c

ICE Folder Name: Status 1979 GRM Notes

Box 99, Folder 4  
Box 99, Folder 4, ICE Project Number 10313d

ICE Folder Name: Status 1979 MHE Notes
Content Summary: Status ’77 Mid-Term Update: Rickey’s Hyatt House, Palo Alto, CA, August 1977

Box 99, Folder 5  
Box 99, Folder 5, ICE Project Number 10314
ICE Folder Name: STATUS ’78 SEM MAR. 23 - New York

Box 100, Folder 1  
Box 100, Folder 1, ICE Project Number 10315

ICE Folder Name: MEMOREX DPA 93216AA
Content Summary: CMOS Analog, February 1978

Box 100, Folder 2  
Box 100, Folder 2, ICE Project Number 10316

ICE Folder Name: PROPOSAL/QUOTATION No. 2054A FACILITY
Content Summary: PLANNING FOR EMDEX, (EXXON) Contract Negotiations for P/Q 2054, November 1977

Box 100, Folder 3  
Box 100, Folder 3, ICE Project Number 10317a

ICE Folder Name: P/Q no. 2066 Medication-Timer Jonathon Wirtschafter
Content Summary: Arrangements for a Meeting Between Dr. Wirtschafter and Phoenix, 1978

Box 100, Folder 4  
Box 100, Folder 4, ICE Project Number 10317b

ICE Folder Name: Untitled
Content Summary: Explanation of the Necessity of a Medication-Timer to Dr. Wirtschafter, 1978

Box 100, Folder 5  
Box 100, Folder 5, ICE Project Number 10318

ICE Folder Name: MASS MEMORY Sem. Analysis
Content Summary: Photographs of Unspecified Circuit, 1978

Box 100, Folder 6  
Box 100, Folder 6, ICE Project Number 10319

ICE Folder Name: Untitled

Box 100, Folder 7  
Box 100, Folder 7, ICE Project Number 10320
ICE Folder Name: SPERRY FLT. SYSTEMS FAILURE ANALYSIS SERV.
Content Summary: Reports on Defective DIE U6 (Photographs Included), 1978

Box 100, Folder 8
Box 100, Folder 8, ICE Project Number 10321a

ICE Folder Name: P/Q # 2072 AMD SITE ANALYSIS SURVEY
Content Summary: Plans for the Construction of a New Advanced Micro Devices Wafer Lab and Plans of a New Four-Inch Wafer Based on a Two-Shift Operation, 1978

Box 101, Folder 1
Box 101, Folder 1, ICE Project Number 10321b

ICE Folder Name: Untitled
Content Summary: References on AMD and Copies of Project Files 10321a, 1978

Box 101, Folder 2
Box 101, Folder 2, ICE Project Number 10321c

ICE Folder Name: P/Q 2102 AMD SITE LOCATION
Content Summary: Copy of Contract for ICE to Continue the Site Location Work for AMD, 1978

Box 101, Folder 4
Box 101, Folder 4, ICE Project Number 10323a

ICE Folder Name: P/Q #2046 NOSC Studies & Analysis of microelectronic Systems equipment, components, or applic
Content Summary: Contract Information for "Hands-on" Circuit Analysis, 1978

Box 101, Folder 5
Box 101, Folder 5, ICE Project Number 10323b

ICE Folder Name: P/Q #2046 NOSC Studies & Analysis of microelectronic Systems equipment, components, or applic
Content Summary: Background Information on Naval Air Systems Command Code (NAVAIR) and NOSC, 1978

Box 101, Folder 6
Box 101, Folder 6, ICE Project Number 10323c

ICE Folder Name: P/Q #2046 NOSC Studies & Analysis of microelectronic Systems equipment, components, or applic
Content Summary: First Report by the Navy Submicron Integrated Circuit Technology Panel, 1978

Box 101, Folder 7
Box 101, Folder 7, ICE Project Number 10323d
ICE Folder Name: P/Q #2046 NOSC Studies & Analysis of microelectronic Systems equipment, components, or applic
Content Summary: Sales and Orders for Electron Beam (E-BEAM) Pattern Equipment, 1978

Box 101, Folder 8  Box 101, Folder 8, ICE Project Number 10323e

ICE Folder Name: P/Q #2046 NOSC Studies & Analysis of microelectronic Systems equipment, components, or applic
Content Summary: Request for ICE’s Proposal to Naval Ocean Systems, 1978

Box 101, Folder 9  Box 101, Folder 9, ICE Project Number 10323f

ICE Folder Name: P/Q #2046 NOSC Studies & Analysis of microelectronic Systems equipment, components, or applic
Content Summary: NOSC Objectives and Limits, 1978

Box 102, Folder 1  Box 102, Folder 1, ICE Project Number 10323g

ICE Folder Name: NAVAL OCEAN SYS. CENTER GENERAL CONSULTING
Content Summary: Submicron Device Technology Review, 1978

Box 102, Folder 2  Box 102, Folder 2, ICE Project Number 10323h

ICE Folder Name: NAVAL OCEAN SYS. CENTER GENERAL CONSULTING
Content Summary: Preliminary Report to Expand the Comments of the First Navy Submicron Integrated Circuit Technology Panel Meeting, 1978

Box 102, Folder 3  Box 102, Folder 3, ICE Project Number 10323i

ICE Folder Name: NAVAL OCEAN SYS. CENTER GENERAL CONSULTING
Content Summary: Two Copies of Subject Proposed Contract, 1978

Box 102, Folder 4  Box 102, Folder 4, ICE Project Number 10323j

ICE Folder Name: NAVAL OCEAN SYS. CENTER GENERAL CONSULTING
Content Summary: Background Information on Proposed Project, 1978

Box 102, Folder 5  Box 102, Folder 5, ICE Project Number 10323k
ICE Folder Name: NAVAL OCEAN SYS. CENTER GENERAL CONSULTING
Content Summary: Request to ICE to Return Attached Work Statement, 1978

Box 102, Folder 6  Box 102, Folder 6, ICE Project Number 10323l

ICE Folder Name: NAVAL OCEAN SYS. CENTER GENERAL CONSULTING
Content Summary: Layout Rules and Patents, 1978

Box 102, Folder 7  Box 102, Folder 7, ICE Project Number 10323m

ICE Folder Name: NAVAL OCEAN SYS. CENTER GENERAL CONSULTING
Content Summary: First Report by the Navy Submicron Integrated Circuit Technology Panel and Advertisements for Naval Electronics Laboratory Center (NELC), 1978

Box 103, Folder 1  Box 103, Folder 1, ICE Project Number 10323n

ICE Folder Name: NAVAL OCEAN SYS. CENTER GENERAL CONSULTING
Content Summary: Technical Proposal Contract Solicitation Number: N66001-r-0018, 1977

Box 103, Folder 2  Box 103, Folder 2, ICE Project Number 10323o

ICE Folder Name: ORIGINAL + APPENDIX mTRL
Content Summary: Plans for Integration of Standard Transistor Transistor Logic (TTL) to Missiles, 1978

Box 103, Folder 3  Box 103, Folder 3, ICE Project Number 10323p

ICE Folder Name: ORIGINAL + APPENDIX mTRL
Content Summary: An Analysis of Automatic Procedures as Applied to the Design, Manufacturing and Testing of Very High Speed Integrated Circuits (VHSIC), 1979

Box 103, Folder 4  Box 103, Folder 4, ICE Project Number 10323q

ICE Folder Name: ORIGINAL + APPENDIX mTRL
Content Summary: An Analysis of Automatic Procedures as Applied to the Design, Manufacturing and Testing of VHSIC, 1979

Box 103, Folder 5  Box 103, Folder 5, ICE Project Number 10323r
ICE Folder Name: ANALYSIS OF IC MANUFACTURING
Content Summary: Commentary and Blueprints for Automatic Wafer Fabrication Area, 1978

Box 103, Folder 6  Box 103, Folder 6, ICE Project Number 10323s

ICE Folder Name: ANALYSIS OF IC MANUFACTURING

Box 104, Folder 1  Box 104, Folder 1, ICE Project Number 10323t

ICE Folder Name: ANALYSIS OF IC MANUFACTURING
Content Summary: Final Copy of: An Analysis of Automatic Procedures as Applied to the Design, Manufacturing and Testing of VHSIC, 1979

Box 104, Folder 2  Box 104, Folder 2, ICE Project Number 10323u

ICE Folder Name: ANALYSIS OF IC MANUFACTURING
Content Summary: Bound Copy of: An Analysis of Automatic Procedures as Applied to the Design, Manufacturing and Testing of VHSIC and a Contract with the Department of the Navy for the Construction of Missiles with Integrated Circuits, 1979

Box 104, Folder 3  Box 104, Folder 3, ICE Project Number 10323v

ICE Folder Name: NOSC

Box 104, Folder 4  Box 104, Folder 4, ICE Project Number 10323w

ICE Folder Name: NOSC

Box 104, Folder 5  Box 104, Folder 5, ICE Project Number 10323x

ICE Folder Name: NOSC

Box 105, Folder 1  Box 105, Folder 1, ICE Project Number 10323y

ICE Folder Name: NOSC
Content Summary: "The Slide Show" Detailing Proposed Program, 1979

Box 105, Folder 2  Box 105, Folder 2, ICE Project Number 10323z

ICE Folder Name: NOSC
Content Summary: Air Film System for Handling Semiconductor Wafers, 1979

Box 105, Folder 3  Box 105, Folder 3, ICE Project Number 10323aa

ICE Folder Name: NOSC
Content Summary: Examples of VHSIC Program Goals, 1979

Box 105, Folder 4  Box 105, Folder 4, ICE Project Number 10323ab

ICE Folder Name: NOSC

Box 105, Folder 5  Box 105, Folder 5, ICE Project Number 10323ac

ICE Folder Name: NOSC
Content Summary: Copies of "Electronic News with Articles Pertaining to Dionex Variation of Plasma Etcher, 1979

Box 105, Folder 6  Box 105, Folder 6, ICE Project Number 10323ad

ICE Folder Name: NOSC - Marketing Plan
Content Summary: Lists of People who Should Attend ION IMPLANT MEETING Under the Manufacturing Contract from NOSC, 1979

Box 105, Folder 7  Box 105, Folder 7, ICE Project Number 10323ae

ICE Folder Name: NOSC JS (Alt. Eny.Sorcs.
Content Summary: Correspondence, General Information and Photocopies about NOSC, 1979

Box 105, Folder 8  Box 105, Folder 8, ICE Project Number 10323af

ICE Folder Name: NOSC JS (Alt. Eny.Sorcs.
Content Summary: A Bound Copy of: A Study and Analysis of Integrated Circuit Device Families that will be Obsolete During 1980 FY by Major U.S. Semiconductor Manufacturers Supplying these Devices to U.S. Military and Aerospace Requirements, 1979

Box 106, Folder 1  Box 106, Folder 1, ICE Project Number 10323ag
ICE Folder Name: NAVAL OCEAN SYSTEMS CENTER RSW (INDEF)
Content Summary: Preliminary Assessment of Alternative Energy Sources for the NOSC Microelectronic Laboratory, 1980

Box 106, Folder 2

ICE Folder Name: NAVAL OCEAN SYSTEMS CENTER RSW (INDEF):P/Q 10323 H
Content Summary: Unbound Copies of the Preliminary Assessment of Alternative Energy Sources for the NOSC Microelectronic Laboratory, 1980

Box 106, Folder 3

ICE Folder Name: NAVAL OCEAN SYSTEMS CENTER RSW (INDEF):P/Q 10323 H
Content Summary: Bound Copy of Suggested Five-year Plan for MTP 1980-1990, 1980

Box 106, Folder 4

ICE Folder Name: NAVAL OCEAN SYSTEMS CENTER RSW (INDEF):P/Q 10323 H
Content Summary: Bound Copy of an Analysis of Automatic Procedures as Applied to the Design, Manufacturing and Testing of VHSIC, and Suggested Coding Procedures for the Semiconductor Category of the GIDE P Coding Index, 1979

Box 106, Folder 5

ICE Folder Name: Solar Energy
Content Summary: General Information on Solar Energy as an Alternative Energy Source for NOSC, 1979

Box 107, Folder 1

ICE Folder Name: SILICON GENERAL
Content Summary: Photographs and General Information on Facilities, 1980

Box 107, Folder 2

ICE Folder Name: SILICON GENERAL
Content Summary: Contracts for Consulting with Silicon General, 1980

Box 107, Folder 3

ICE Folder Name: SILICON GENERAL
Content Summary: Contracts for Consulting with Silicon General, 1980
ICE Folder Name: P/Q No. 2067 HONEYWELL INFO. SYSTEMS
SPECIAL IC TECHNOLOGY SEMINAR
Content Summary: Arrangements for a Special In-house BT Seminar on Honeywell Info. Systems, 1978

Box 107, Folder 4

ICE Folder Name: P/Q No. 2067 HONEYWELL INFO. SYSTEMS
SPECIAL IC TECHNOLOGY SEMINAR

Box 107, Folder 5

ICE Folder Name: P/Q No. 2067 HONEYWELL INFO. SYSTEMS
SPECIAL IC TECHNOLOGY SEMINAR
Content Summary: General Information on In-house Seminar, 1978

Box 107, Folder 6

ICE Folder Name: P/Q No. 2067 HONEYWELL INFO. SYSTEMS
SPECIAL IC TECHNOLOGY SEMINAR
Content Summary: Bound Booklet on Integrated Circuit Technology Seminar Honeywell, April 6-7, 1978

Box 108, Folder 1

ICE Folder Name: P/Q No. 2067 HONEYWELL INFO. SYSTEMS
SPECIAL IC TECHNOLOGY SEMINAR
Content Summary: Locations and Preliminary Considerations of Honeywell, 1978

Box 108, Folder 2

ICE Folder Name: STANDARD MICRO. DPA 2147 4KRAM

Box 108, Folder 3

ICE Folder Name: STANDARD MICRO DPA MB8116 16kRAM
Content Summary: Background Information and Blueprints for 16K RAM MB8116, 1978

Box 108, Folder 4
ICE Folder Name: P/Q 2069 NAVAL OCEAN SYSTEMS CENTER Typical Cir. Families Required for Milit. Systems that are becoming Obsolete
Content Summary: A Study and Analysis of the Availability of Typical Integrated Circuit Families Required for the Military Systems that are to become Obsolete (Phase II), 1978

Box 108, Folder 5

ICE Folder Name: P/Q No. 2078A REVISION/ SEMI
Content Summary: Blueprints of 6502 to be sent to SEMI/EM&M, 1978

Box 108, Folder 6

ICE Folder Name: F.A. SEMINAR JULY 19-20 Seattle CANCELLED
Content Summary: Cancellation Notice for Seattle F.A. Seminar, 1978

Box 108, Folder 7

ICE Folder Name: F.A. SEMINAR JULY 19-20 Seattle CANCELLED
Content Summary: Surveys on MID STATUS and General Information on MID-TERM Seminar, 1978

Box 108, Folder 8

ICE Folder Name: F.A. SEMINAR JULY 19-20 Seattle CANCELLED
Content Summary: Registration for Mid-term Status Meeting, 1978

Box 109, Folder 1

ICE Folder Name: F.A. SEMINAR JULY 19-20 Seattle CANCELLED
Content Summary: Registration for Mid-term Status Meeting, 1978

Box 109, Folder 2

ICE Folder Name: F.A. SEMINAR JULY 19-20 Seattle CANCELLED
Content Summary: Status Report on Mid 1978

Box 109, Folder 3

ICE Folder Name: F.A. SEMINAR JULY 19-20 Seattle CANCELLED
Content Summary: Bound Copy of Project File 10330e, 1978

Box 109, Folder 4
ICE Folder Name: F.A. SEMINAR JULY 19-20 Seattle CANCELLED
Content Summary: An Offer to Various Clients to Receive Publications by ICE, 1978

Box 109, Folder 5
Box 109, Folder 5, ICE Project Number 10330h

ICE Folder Name: F.A. SEMINAR JULY 19-20 Seattle CANCELLED
Content Summary: Bound Copies of Project File 10330e, 1978

Box 110, Folder 1
Box 110, Folder 1, ICE Project Number 10331a

ICE Folder Name: MID-YEAR STATUS- AUG 23 - - SAN JOSE
Content Summary: Economic Information on Mid-year Status, 1978

Box 110, Folder 2
Box 110, Folder 2, ICE Project Number 10331b

ICE Folder Name: MID-YEAR STATUS- AUG 23 - - SAN JOSE
Content Summary: Information on Magnetic Bubbles and a Photograph of Bound Manuals of Project File 10330f

Box 111, Folder 1
Box 111, Folder 1, ICE Project Number 10386

ICE Folder Name: ROCKWELL, Oct 1978
Content Summary: study to attain QPL status for Rockwell's R6500 devices mil-m-38510 IC program

Box 111, Folder 2
Box 111, Folder 2, ICE Project Number 10387

ICE Folder Name: CARDIAC PACEMAKERS, July 12, 1978
Content Summary: yield analysis of AMI wafers

Box 111, Folder 3
Box 111, Folder 3, ICE Project Number 10388

ICE Folder Name: JOHNSON & JOHNSON/ SOLID STATE SCIENTIFIC, July 11, 1978
Content Summary: evaluate the packaging of the custom LSI circuit (for meditemp)

Box 111, Folder 4
Box 111, Folder 4, ICE Project Number 10389

ICE Folder Name: JANUARY 17-18, 1979..MILITARY FAILURE ANALYSIS SEMINAR CANCELLED, Dec 6, 1978
Content Summary: Phoenix, Arizona

Box 111, Folder 5
Box 111, Folder 5, ICE Project Number 10390
ICE Folder Name: ICE’S IMPLEMENTATION OF I.C. TECHNOLOGY SEMINAR JAN. 31-FEB.1, 1979, Nov 27, 1978
Content Summary: Santa Clara, California

Box 111, Folder 6
Box 111, Folder 6, ICE Project Number 10391

ICE Folder Name: WESTERN DIGITAL CORP. REPORT, Nov 1, 1978
Content Summary: "status of integrated circuits" seminar, Rickeys Hyatt House, San. Fran. Feb. 7, 1979

Box 111, Folder 7
Box 111, Folder 7, ICE Project Number 10392
ICE Folder Name: ICE’S STATUS '79 SEMINAR, HILTON INN (KENNEDY AIRPORT, JAMAICA, N.Y., FEB. 16, 1979), Jan 5, 1979

Box 112, Folder 1
Box 112, Folder 1, ICE Project Number 10453

ICE Folder Name: GENERAL MOTORS INSTITUTE (GMI), Sept 22, 1978
Content Summary: general information/misc (mhe)

Box 112, Folder 2
Box 112, Folder 2, ICE Project Number 10453
ICE Folder Name: GMI SEMINAR, Sept 22, 1978

Box 112, Folder 3
Box 112, Folder 3, ICE Project Number 10453

ICE Folder Name: NEW SLIDES MASTER, Sept 22, 1978
Content Summary: (the IC industry)

Box 112, Folder 4
Box 112, Folder 4, ICE Project Number 10453
ICE Folder Name: GMI MASTER, Sept 22, 1978

Box 112, Folder 5
Box 112, Folder 5, ICE Project Number 10453

ICE Folder Name: SESSION VI, Sept 22, 1978
Content Summary: slide maters of varied corporation info TNJ 06/06/01

Box 112, Folder 6
Box 112, Folder 6, ICE Project Number 10453
ICE Folder Name: MHE CORRESPONDENCE, Sept 22, 1978

Box 112, Folder 7
Box 112, Folder 7, ICE Project Number 10453

ICE Folder Name: SEMINAR FOR GMI, Sept 22, 1978
Content Summary: Dec. 9-12, 1979

Box 112, Folder 8
Box 112, Folder 8, ICE Project Number 10454
ICE Folder Name: NORTHERN TELECOM, Mar 07, 1979
Box 112, Folder 9  
Box 112, Folder 9, ICE Project Number 10455  
ICE Folder Name: OMRON DESIGN TRAINING PROGRAM, July 28, 1977

Box 112, Folder 10  
Box 112, Folder 10, ICE Project Number 10456  
ICE Folder Name: SPIN PHYSICS, INC, Sept 20, 1978  
Content Summary: consulting agreement

Box 112, Folder 11  
Box 112, Folder 11, ICE Project Number 10456  
ICE Folder Name: SPIN PHYSICS, INC, Sept 20, 1978  
Content Summary: correspondence

Box 112, Folder 12  
Box 112, Folder 12, ICE Project Number 10456  
ICE Folder Name: SPIN PHYSICS, INC, Sept 20, 1978  
Content Summary: miscellaneous- rough draft facility guidelines

Box 112, Folder 13  
Box 112, Folder 13, ICE Project Number 10456  
ICE Folder Name: SPIN PHYSICS, INC, Sept 20, 1978  
Content Summary: consultant preliminary information

Box 112, Folder 14  
Box 112, Folder 14, ICE Project Number 10456  
ICE Folder Name: SPIN PHYSICS, INC, Sept 20, 1978  
Content Summary: rough draft IC facility guidelines

Box 113, Folder 1  
Box 113, Folder 1, ICE Project Number 10457  
ICE Folder Name: ZENITH RADIO CORP, Feb 02, 1979  
Content Summary: retainer (fa work)

Box 113, Folder 2  
Box 113, Folder 2, ICE Project Number 10458  
ICE Folder Name: IC FAB TRENDS SEMINAR JULY 10-12, 1979, Mar 28, 1979  
Content Summary: cancelled

Box 113, Folder 3  
Box 113, Folder 3, ICE Project Number 10459  
ICE Folder Name: STATUS MIDTERM, 8-15-79 SEMINAR, April 09, 1979  
Content Summary: semiconductor forecast/business climate

Box 113, Folder 4  
Box 113, Folder 4, ICE Project Number 10459
ICE Folder Name: STATUS MIDTERM 79’, April 09, 1979
Content Summary: review of VHSI program, rev a & b John Shea

Box 113, Folder 5
Box 113, Folder 5, ICE Project Number 10459

ICE Folder Name: STATUS MIDTERM 79’, April 09, 1979
Content Summary: newspaper/magazine articles

Box 113, Folder 6
Box 113, Folder 6, ICE Project Number 10459

ICE Folder Name: STATUS MIDTERM 79’, April 09, 1979
Content Summary: guest letters.

Box 113, Folder 7
Box 113, Folder 7, ICE Project Number 10459

ICE Folder Name: STATUS MIDTERM 79’, April 09, 1979
Content Summary: registration for Aug. 15 seminar

Box 113, Folder 8
Box 113, Folder 8, ICE Project Number 10459

ICE Folder Name: STATUS MIDTERM 79’, April 09, 1979
Content Summary: correspondence

Box 113, Folder 9
Box 113, Folder 9, ICE Project Number 10459

ICE Folder Name: STATUS MIDTERM SEMINAR 8-15-79, April 09, 1979
Content Summary: session I masters

Box 113, Folder 10
Box 113, Folder 10, ICE Project Number 10459

ICE Folder Name: STATUS 79’ MIDTERM SEMINAR 8-15-79, April 09, 1979
Content Summary: session II masters

Box 113, Folder 11
Box 113, Folder 11, ICE Project Number 10459

ICE Folder Name: STATUS 79’ MIDTERM SEMINAR 8-15-79, April 09, 1979
Content Summary: miscellaneous masters

Box 113, Folder 12
Box 113, Folder 12, ICE Project Number 10459

ICE Folder Name: STATUS 79’ MIDTERM SEMINAR 8-15-79, April 09, 1979
Content Summary: session IV masters

Box 113, Folder 13  Box 113, Folder 13, ICE Project Number 10459

ICE Folder Name: STATUS 79' MIDTERM SEMINAR 8-15-79, April 09, 1979
Content Summary: session VI masters

Box 113, Folder 14  Box 113, Folder 14, ICE Project Number 10460

ICE Folder Name: IMPLEMENTATION OF IC TECH. SEMINAR OCT. 17-18, 1979 PHOENIX, AZ, Aug 03, 1979
Content Summary: note some 10460 material in 10461

Box 113, Folder 15  Box 113, Folder 15, ICE Project Number 10461

ICE Folder Name: FAILURE AVOIDANCE SEMINAR NOV. 7-8, 1979 SCOTTSDALE, ARIZONA, Oct 12, 1979
Content Summary: contains some 10460

Box 113, Folder 16  Box 113, Folder 16, ICE Project Number 10462
ICE Folder Name: IMPLEMENTATION OF IC TECH. SEM. NOV. 14-15/79 SANTA CLARA, CALIFORNIA- CANCELLED, Mar 06, 1979

Box 113, Folder 17  Box 113, Folder 17, ICE Project Number 10463
ICE Folder Name: IC FABRICATION TRENDS SEMINAR DEC.4-6 SCOTTSDALE, AZ CANCELLED, Mar 28, 1979

Box 114, Folder 1  Box 114, Folder 1, ICE Project Number 10464

ICE Folder Name: XEROX DEV. CORP. -EVAL OF OTHER SYSTEMS COMPANIES, Oct 20, 1978
Content Summary: reports- some masters- strategic alternatives

Box 114, Folder 2  ICE Project Number 10464

ICE Folder Name: XEROX DEV. CORP. -EVAL OF OTHER SYSTEMS COMPANIES, Oct 20, 1978
Content Summary: correspondence

Box 114, Folder 3  Box 114, Folder 3, ICE Project Number 10464

ICE Folder Name: XEROX DEV. CORP. -EVAL OF OTHER SYSTEMS COMPANIES, Oct 20, 1978
Content Summary: analysis of Intel/Texas Inst./ Hewlett-Packard world semiconductor production
Box 114, Folder 4
Box 114, Folder 4, ICE Project Number 10465

ICE Folder Name: SEMINAR- IC TECHNOLOGY FOR MATERIALS MARKETING FOR MONSANTO, PALO ALTO, CA PHOENIX, ARIZ JUNE 20-22, 1979, Oct 12, 1978
Content Summary: course material

Box 114, Folder 5
Box 114, Folder 5, ICE Project Number 10465

ICE Folder Name: SEMINAR- IC TECHNOLOGY FOR MATERIALS MARKETING FOR MONSANTO, PALO ALTO, CA AT PHOENIX, ARIZ JUNE 20-22, 1979, Oct 12, 1978
Content Summary: correspondence

Box 114, Folder 6
Box 114, Folder 6, ICE Project Number 10466

ICE Folder Name: REVIEW OF NMOS FACILITY- MOTOROLA, AUSTIN, TX, Feb 19, 1979
Content Summary: 4 orig. photos includes draft copy

Box 114, Folder 7
Box 114, Folder 7, ICE Project Number 10466

ICE Folder Name: REVIEW OF NMOS FACILITY- MOTOROLA, AUSTIN, TX, Feb 19, 1979
Content Summary: correspondence- one orig photo

Box 114, Folder 8
Box 114, Folder 8, ICE Project Number 10467

ICE Folder Name: GOODYEAR AEROSPACE (AKRON), April 16,1979
Content Summary: consulting & talk

Box 115, Folder 1
Box 115, Folder 1, ICE Project Number 10468

ICE Folder Name: ADVANCED PACKAGING TECHNIQUES, Mar 1979
Content Summary: bonding techniques

Box 115, Folder 2
Box 115, Folder 2, ICE Project Number 10469

ICE Folder Name: KAVLICO-DESIGN CRITIQUE & 2ND SOURCE SELECTION, May 05,1977
Content Summary: correspondance customer & linear bipolar IC

Box 115, Folder 3
Box 115, Folder 3, ICE Project Number 10469

ICE Folder Name: KAVLICO-DESIGN CRITIQUE & 2ND SOURCE SELECTION, May 05,1977
Content Summary: process spec

Box 115, Folder 4  
Box 115, Folder 4, ICE Project Number 10470

ICE Folder Name: EASTMAN KODAK, April 03, 1979
Content Summary: facility (production) correspondance

Box 115, Folder 5  
Box 115, Folder 5, ICE Project Number 10470

ICE Folder Name: EASTMAN KODAK, April 03, 1979
Content Summary: facility (production) 10470-original report

Box 115, Folder 6  
Box 115, Folder 6, ICE Project Number 10471

ICE Folder Name: SIEMENS CORPORATION-SENIOR STUDY, Feb 06, 1979
Content Summary: orig. of report

Box 115, Folder 7  
Box 115, Folder 7, ICE Project Number 10471

ICE Folder Name: SIEMENS CORPORATION-SENIOR STUDY, Feb 06, 1979
Content Summary: correspondence

Box 115, Folder 8  
Box 115, Folder 8, ICE Project Number 10471

ICE Folder Name: SIEMENS CORPORATION-SENIOR STUDY, Feb 06, 1979
Content Summary: miscellaneous

Box 115, Folder 9  
Box 115, Folder 9, ICE Project Number 10472

ICE Folder Name: MS ELECTRONICS, INC, April 11, 1975

Box 115, Folder 10  
Box 115, Folder 10, ICE Project Number 10473

ICE Folder Name: PRESENT PAPER FOR IBM AT SEMINAR, Mar 21, 1979
Content Summary: VSLI & microcomputer June 14, 1979, Wayata, Minn

Box 115, Folder 11  
Box 115, Folder 11, ICE Project Number 10473

ICE Folder Name: PRESENT PAPER FOR IBM AT SEMINAR, Mar 21, 1979
Content Summary: VSLI & microcomputer June 14, 1979, Wayata, Minn slides
Box 115, Folder 12
Box 115, Folder 12, ICE Project Number 10474

ICE Folder Name: ROCKWELL INT’L-REV. NMOS-O PROCESS, April 11, 1979
Content Summary: call repors

Box 115, Folder 13
Box 115, Folder 13, ICE Project Number 10474

ICE Folder Name: ROCKWELL INT’L-REV. NMOS-O PROCESS, April 11, 1979
Content Summary: Rockwell-supplied material

Box 116, Folder 1
Box 116, Folder 1, ICE Project Number 10474

ICE Folder Name: ROCKWELL INT’L-REV. NMOS-O PROCESS, April 11, 1979
Content Summary: rough draft

Box 116, Folder 2
Box 116, Folder 2, ICE Project Number 10474

ICE Folder Name: ROCKWELL INT’L-REV. NMOS-O PROCESS, April 11, 1979
Content Summary: orig. final report

Box 116, Folder 3
Box 116, Folder 3, ICE Project Number 10474

ICE Folder Name: ROCKWELL INT’L-REV. NMOS-O PROCESS, April 11, 1979
Content Summary: correspondence

Box 116, Folder 4
Box 116, Folder 4, ICE Project Number 10474

ICE Folder Name: ROCKWELL INT’L-REV. NMOS-O PROCESS, April 11, 1979
Content Summary: miscellaneous

Box 116, Folder 5
Box 116, Folder 5, ICE Project Number 10474

ICE Folder Name: ROCKWELL INT’L-REV. NMOS-O PROCESS, April, 1979
Content Summary: review and critique

Box 116, Folder 6
Box 116, Folder 6, ICE Project Number 10475

ICE Folder Name: RIXON-RSW-STUART, March 28, 1979
Box 116, Folder 7  
Box 116, Folder 7, ICE Project Number 10475  
ICE Folder Name: RIXON-RSW-STUART, March 28, 1979  
Content Summary: rixon

Box 116, Folder 8  
Box 116, Folder 8, ICE Project Number 10477  
ICE Folder Name: E.I. DUPONT- PHOTORESIST VALUE ANALYSIS, March 22, 1979

Box 116, Folder 9  
Box 116, Folder 9, ICE Project Number 10478  
ICE Folder Name: WESTERN DESIGN CENTER, INC, Jan 07, 1980  
Content Summary: assigned tasks

Box 116, Folder 10  
Box 116, Folder 10, ICE Project Number 10479  
ICE Folder Name: SILICON GENERAL, Nov 18, 1979  
Content Summary: analysis of 723 voltage regular circuit

Box 116, Folder 11  
Box 116, Folder 11, ICE Project Number 10479  
ICE Folder Name: SILICON GENERAL, Nov 18, 1979  
Content Summary: rlh- analysis of 153

Box 117, Folder 1  
Box 117, Folder 1, ICE Project Number 10481  
ICE Folder Name: EASTMAN KODAK RESEARCH, April 20,1979  
Content Summary: original report- facilities recommendations for a new integrated circuit r&d installation

Box 117, Folder 2  
Box 117, Folder 2, ICE Project Number 10481  
ICE Folder Name: EASTMAN KODAK RESEARCH, April 20,1979  
Content Summary: facilities recommendations for a new integrated circuit r&d installation correspondence/call reports.

Box 117, Folder 3  
Box 117, Folder 3, ICE Project Number 10483  
ICE Folder Name: XEROX DEVELOPMENT CORP. STAMFORD, CT., May 23,1979  
Content Summary: organization of in house IC organizations other company strategies

Box 117, Folder 4  
Box 117, Folder 4, ICE Project Number 10484
ICE Folder Name: CII HONEYWELL BULL/PARIS, Dec 28,1978
Content Summary: IC/failure analysis seminar June 5-8, 1979

Box 117, Folder 5
Box 117, Folder 5, ICE Project Number 10484

ICE Folder Name: CII HONEYWELL BULL/PARIS, Dec 28,1978
Content Summary: IC/failure analysis seminar June 5-8, 1979

Box 117, Folder 6
Box 117, Folder 6, ICE Project Number 10484

ICE Folder Name: CII HONEYWELL BULL/PARIS, Dec 28,1978
Content Summary: IC/failure analysis seminar June 5-8, 1979

Box 117, Folder 7
Box 117, Folder 7, ICE Project Number 10485

ICE Folder Name: FORD AEROSPACE/REVIEW SEMIEQUIP, FACILITY PLANS, May 03,1979
Content Summary: orig.report IC facility plan

Box 117, Folder 8
Box 117, Folder 8, ICE Project Number 10485

ICE Folder Name: FORD AEROSPACE/REVIEW SEMIEQUIP, FACILITY PLANS, May 03,1979
Content Summary: safety aspects

Box 117, Folder 9
Box 117, Folder 9, ICE Project Number 10485

ICE Folder Name: FORD AEROSPACE/REVIEW SEMIEQUIP, FACILITY PLANS, May 03,1979
Content Summary: clean room operation

Box 117, Folder 10
Box 117, Folder 10, ICE Project Number 10485

ICE Folder Name: FORD AEORSPACE/REVIEW SEMIEQUIP., FACILITY PLANS, May 03,1979
Content Summary: correspondence

Box 117, Folder 11
Box 117, Folder 11, ICE Project Number 10486
ICE Folder Name: LINEAR I.C. DESIGN SEMINAR, AUG. 7,8,9, 1979 AT MOTOROLA APD SCHAUMBERG, IL, April 06, 1979

Box 118, Folder 1
Box 118, Folder 1, ICE Project Number 10486

ICE Folder Name: LINEAR I.C. DESIGN SEMINAR, AUG. 7,8,9, 1979 AT MOTOROLA APD SCHAUMBERG, IL, April 06, 1979
Content Summary: instructor copies

Box 118

Box 118, Folder 2, ICE Project Number 10487

ICE Folder Name: SEMINAR AT IBM, LOS GATOS, CALIF., June 1, 1979
Content Summary: one sheet identified as 10493 "IBM Los Gatos, project 10493 added to this file

Box 118, Folder 3

Box 118, Folder 3, ICE Project Number 10488
ICE Folder Name: CHERRY SEMICONDUCTOR CORPORATION IN FACILITY PLANNING, May 23, 1979

Box 118, Folder 4

Box 118, Folder 4, ICE Project Number 10491

ICE Folder Name: IBM-LSI PRESENTATION MATERIAL (JDS), April 24, 1979
Content Summary: correspondence

Box 118, Folder 5

Box 118, Folder 5, ICE Project Number 10491

ICE Folder Name: IBM-LSI PRESENTATION MATERIAL (JDS), April 24, 1979
Content Summary: update military/aerospace technology

Box 118, Folder 6

Box 118, Folder 6, ICE Project Number 10491

ICE Folder Name: IBM-LSI PRESENTATION MATERIAL (JDS), April 24, 1979
Content Summary: special notes VHSIC technology added to IBM report

Box 118, Folder 7

Box 118, Folder 7, ICE Project Number 10491

ICE Folder Name: IBM-LSI PRESENTATION MATERIAL (JDS), April 24, 1979
Content Summary: section v masters from 10492 w/o page #'s

Box 118, Folder 8

Box 118, Folder 8, ICE Project Number 10492

ICE Folder Name: GOODYEAR AEROSPACE- AKRON PHASE II IN HOUSE CAPABILITY STUDY (MHE), April 09, 1979
Content Summary: Goodyear in-house needs

Box 118, Folder 9

Box 118, Folder 9, ICE Project Number 10492

ICE Folder Name: GOODYEAR AEROSPACE- AKRON PHASE II IN HOUSE CAPABILITY STUDY (MHE), April 09, 1979
Content Summary: LSI committee final report rough draft Oct. 9, 1979

Box 118, Folder 10
Box 118, Folder 10, ICE Project Number 10492
ICE Folder Name: GOODYEAR AEROSPACE- AKRON PHASE II IN HOUSE CAPABIL. STUDY (MHE), April 09, 1979
Content Summary: original report October '79

Box 118, Folder 11
Box 118, Folder 11, ICE Project Number 10492
ICE Folder Name: GOODYEAR AEROSPACE- AKRON PHASE II IN HOUSE CAPABIL. STUDY (MHE), April 09, 1979
Content Summary: appendicies a1-a8 (originals)

Box 118, Folder 12
Box 118, Folder 12, ICE Project Number 10492
ICE Folder Name: GOODYEAR AEROSPACE- AKRON PHASE II IN HOUSE CAPABIL. STUDY (MHE), April 09, 1979
Content Summary: correspondence

Box 118, Folder 13
Box 118, Folder 13, ICE Project Number 10492
ICE Folder Name: GOODYEAR AEROSPACE- AKRON PHASE II IN HOUSE CAPABIL. STUDY (MHE), April 09, 1979
Content Summary: misc. originals

Box 118, Folder 14
Box 118, Folder 14, ICE Project Number 10495
ICE Folder Name: MEDTRONIC (NO P/Q#) (JDS), July 05, 1979
Content Summary: survey hi-rel BIMOS processes

Box 118, Folder 15
Box 118, Folder 15, ICE Project Number 10496
ICE Folder Name: SPRINGFIELD INSTRUMENT (DIVISION OF SUNBEAM CORP.) HACKENSACK, NEW JERSEY., July 03, 1979

Box 119, Folder 1
Box 119, Folder 1, ICE Project Number 10497
ICE Folder Name: PROCESS EVAL - INTERSIL IMG654 4096 BIT CMOS EPROM, Mar 07, 1979
Content Summary: Solid State Scientific report contains orig. photo's, original working drafts, schematic etc

Box 119, Folder 2
Box 119, Folder 2, ICE Project Number 10497
ICE Folder Name: PROCESS EVAL - INTERSIL IMG654 4096 BIT CMOS EPROM, Mar 07, 1979
Content Summary: Solid State Scientific correspondence

Box 119, Folder 3
Box 119, Folder 3, ICE Project Number 10498

ICE Folder Name: ILC DATA DEVICE CORP - TRAINING PROGRAM, July 13, 1979
Content Summary: IC development program

Box 119, Folder 4
Box 119, Folder 4, ICE Project Number 10498

ICE Folder Name: ILC DATA DEVICE CORP - TRAINING PROGRAM, July 13, 1979
Content Summary: monosil CMOS

Box 119, Folder 5
Box 119, Folder 5, ICE Project Number 10498

ICE Folder Name: ILC DATA DEVICE CORP - TRAINING PROGRAM, July 13, 1979
Content Summary: miscellaneous

Box 119, Folder 6
Box 119, Folder 6, ICE Project Number 10498

ICE Folder Name: ILC DATA DEVICE CORP - TRAINING PROGRAM, July 13, 1979
Content Summary: wafer processors/suppliers MOS

Box 119, Folder 7
Box 119, Folder 7, ICE Project Number 10498

ICE Folder Name: ILC DATA DEVICE CORP - TRAINING PROGRAM, July 13, 1979
Content Summary: bipolar - layout rules - spec 10498-02

Box 119, Folder 8
Box 119, Folder 8, ICE Project Number 10498

ICE Folder Name: ILC DATA DEVICE CORP - TRAINING PROGRAM, July 13, 1979
Content Summary: design layout seminar, Scottsdale, Ariz. 9/5-7, 9/10-14, 9/17-21/79

Box 119, Folder 9
Box 119, Folder 9, ICE Project Number 10498

ICE Folder Name: ILC DATA DEVICE CORP - TRAINING PROGRAM, July 13, 1979
Content Summary: correspondence

Box 119, Folder 10
Box 119, Folder 10, ICE Project Number 10499
ICE Folder Name: ICE STATUS '80 SEMINAR JAN. 28, 1980, PENTAGON CITY, ARLINGTON, VA, Sept 21, 1979

Box 119, Folder 11
Box 119, Folder 11, ICE Project Number 10500

ICE Folder Name: IMPLEMENTATION OF IC TECHNOLOGY, Sept 21, 1979
Content Summary: seminar - Pentagon City, Arlington, VA Jan 30-31, 1980

Box 119, Folder 12
Box 119, Folder 12, ICE Project Number 10501

ICE Folder Name: FA III REPORTS, Aug 1979
Content Summary: economics of IC manufacturing (10501-02) status '79 midterm seminar world business climate product trends economics of IC mtg basic elect. Consid. In design of static safe work. Envir. Electrostatic discharge susceptibility

Box 119, Folder 13
Box 119, Folder 13, ICE Project Number 10502

ICE Folder Name: IMPLEMENTATION II, Aug 08, 1979
Content Summary: draft report- wafer fabrication services seminar outline-implementation of IC technology

Box 120, Folder 1
Box 120, Folder 1, ICE Project Number 10503-11

ICE Folder Name: LM 195 PROTECTED POWER TRANSISTOR, Oct 31,1979
Content Summary: (contains original photos)

Box 120, Folder 2
Box 120, Folder 2, ICE Project Number 10503-11
ICE Folder Name: SECTION #7 OVERLAY, Oct 31,1979

Box 120, Folder 3
Box 120, Folder 3, ICE Project Number 10503-11

ICE Folder Name: LM 195 PROTECTED POWER TRANSISTOR, Oct 31,1979
Content Summary: torric po 5258 Dec. bipolar seminar 8- 8x10 orig. photos

Box 120, Folder 4
Box 120, Folder 4, ICE Project Number 10503-11

ICE Folder Name: POWER TRANSISTER LM 195, Oct 31,1979
Content Summary: Rod Schwartz- Motorola- review of the lm 195 orig. photos

Box 120, Folder 5
Box 120, Folder 5, ICE Project Number 10503-12/SN
ICE Folder Name: IC TRANSISTOR DESIGN PART I NOTES, July 07, 1979
Content Summary: IC transistor & resistor design IBM seminar Oct. 26-27, 1979

Box 120, Folder 6
Box 120, Folder 6, ICE Project Number 10503-12/SN
ICE Folder Name: SUPPORTING NOTES TRANSISTOR DESIGN PART I, July 07, 1979

Box 120, Folder 7
Box 120, Folder 7, ICE Project Number 10503-12/SN
ICE Folder Name: TRANSISTOR DESIGN PART I, July 07, 1979

Box 120, Folder 8
Box 120, Folder 8, ICE Project Number 10503-12/SN
ICE Folder Name: TRANSISTOR DESIGN PART I, July 07, 1979
Content Summary: additional appendix

Box 121, Folder 1
Box 121, Folder 1, ICE Project Number 10503-13
ICE Folder Name: TRANS. DES. WORKSHEET, 1979
Content Summary: transistor design for the circuit designer publication master by James Thompson

Box 121, Folder 2
Box 121, Folder 2, ICE Project Number 10503-14
ICE Folder Name: METAL GATE CMOS LAYOUT RULES, Feb 5, 1974

Box 121, Folder 3
Box 121, Folder 3, ICE Project Number 10503-14
ICE Folder Name: CMOS LAYOUT MATERIALS AND TECHNIQUES, Feb 5, 1974
Content Summary: section five

Box 121, Folder 4
Box 121, Folder 4, ICE Project Number 10503-14
ICE Folder Name: FIGURE MASTERS, Feb 5, 1974
Content Summary: MOS layout prepared by Henry Edlestein

Box 121, Folder 5
Box 121, Folder 5, ICE Project Number 10503-14
ICE Folder Name: CMOS LAYOUT DESIGN, Feb 5, 1974

Box 121, Folder 6
Box 121, Folder 6, ICE Project Number 10503-14
ICE Folder Name: HENRY EDLESTEIN MASTERS SECTION, Feb 5, 1974

Box 121, Folder 7
Box 121, Folder 7, ICE Project Number 10503-14
ICE Folder Name: CMOS TEST PATTERN, Feb 5, 1974
Box 121, Folder 8  
Box 121, Folder 8, ICE Project Number 10503-14A  
ICE Folder Name: 10503-14A MOS LAYOUT, 1981  
Content Summary: CMOS layout list of figures & logic design phase

Box 121, Folder 9  
Box 121, Folder 9, ICE Project Number 10503-15  
ICE Folder Name: VARIED PUBLICATION OUTLINES, Mar 1978  
Content Summary: 14610-04], [14738,-01,-02,-03], [10503-14,-15]

Box 121, Folder 10  
Box 121, Folder 10, ICE Project Number 10503-15  
ICE Folder Name: MOS DESIGN SLIDES/NOTES, Mar 1978

Box 121, Folder 11  
Box 121, Folder 11, ICE Project Number 10503-15  
ICE Folder Name: SOLUTION FOR CMOS INVERTER THRESHOLD, Mar 1978  
Content Summary: slides/glassine

Box 121, Folder 12  
Box 121, Folder 12, ICE Project Number 10503-15  
ICE Folder Name: 10503 OLD NOTES & FIGURES, Mar 1978

Box 121, Folder 13  
Box 121, Folder 13, ICE Project Number 10503-15  
ICE Folder Name: BASIC MOS THEORY NOTES/PUBLICATION, Mar 1978

Box 121, Folder 14  
Box 121, Folder 14, ICE Project Number 10503-15A  
ICE Folder Name: 10503-15A MOS DESIGN PUBLICATIONS, Mar 1978  
Content Summary: includes a camera ready copy with one original photograph

Box 121, Folder 15  
Box 121, Folder 15, ICE Project Number 10503-15B  
ICE Folder Name: 10503-15B BASIC MOS THEORY PUBLICATIONS, Mar 1978  
Content Summary: includes aone camera ready copy

Box 122, Folder 1  
Box 122, Folder 1, ICE Project Number 10503-17  
ICE Folder Name: TRANS. & RES. DES., Sept 26, 1979  
Content Summary: epitaxial process spec. and transistor & resistor design (combined)

Box 122, Folder 2  
Box 122, Folder 2, ICE Project Number 10503-19
ICE Folder Name: SLIDES 10503-19, Aug 13, 1973
Content Summary: integrated circuit biasing techniques

Box 122, Folder 3  Box 122, Folder 3, ICE Project Number 10503-23

ICE Folder Name: 10503-23, Undated
Content Summary: solution for CMOS inverter threshold & slides Roger Schwartz Orininal's

Box 122, Folder 4  Box 122, Folder 4, ICE Project Number 10503-24

ICE Folder Name: CMOS DESIGN RULES, July 15, 1977
Content Summary: CMOS silicon gate design rules report & slides

Box 122, Folder 5  Box 122, Folder 5, ICE Project Number 10503-25

ICE Folder Name: 10503-25 LM117, Undated
Content Summary: review of limit adjustable voltage regulator notes & figures

Box 122, Folder 6  Box 122, Folder 6, ICE Project Number 10503-27

ICE Folder Name: CMOS DESIGN RULES, Undated
Content Summary: CMOS metal gate design rules & slide masters (7.5 micron gate width)

Box 122, Folder 7  Box 122, Folder 7, ICE Project Number 10503-28

ICE Folder Name: CIRCUIT APPLICATION-MC6860, Undated
Content Summary: report & slide notes

Box 122, Folder 8  Box 122, Folder 8, ICE Project Number 10503-29

ICE Folder Name: INTRODUCTION TO CIRCUIT ANALYSIS, Sept 1980
Content Summary: introduction to MOS circuit analysis & logic simulation

Box 122, Folder 9  Box 122, Folder 9, ICE Project Number 10503-30

ICE Folder Name: CIRCUIT SIMULATION, Oct 1980
Content Summary: circuit 2 users manual

Box 122, Folder 10  Box 122, Folder 10, ICE Project Number 10503-31

ICE Folder Name: LOGIC SIMULATION, Undated
Content Summary: ICELOG users manual includes slides

Box 123, Folder 1
Box 123, Folder 1, ICE Project Number 10503-32

ICE Folder Name: USE FOR PHOTOCOPYING (EMPTY FILE), Sept 26, 1979
Content Summary: work assignment sheet 10503-16 pub. applied MOS book

Box 123, Folder 2
Box 123, Folder 2, ICE Project Number 10503-33

ICE Folder Name: CIRCUIT 2 APPLICATION NOTE, 1980
Content Summary: one "glassine flip chart" MOS model

Box 123, Folder 3
Box 123, Folder 3, ICE Project Number 10503-34
ICE Folder Name: NMOS/PMOS LOGIC STRUCTURES AND CIRCUIT ANALYSIS, Sept 26, 1980

Box 123, Folder 4
Box 123, Folder 4, ICE Project Number 10503-35

ICE Folder Name: NMOS/PMOS LAYOUT, 1980
Content Summary: (notes & publication)

Box 123, Folder 5
Box 123, Folder 5, ICE Project Number 10503-36
ICE Folder Name: CIRCUIT DESIGN WORKSHOP, 1980

Box 123, Folder 6
Box 123, Folder 6, ICE Project Number 10503-37
ICE Folder Name: LAYOUT WORKSHOP, 1980

Box 123, Folder 7
Box 123, Folder 7, ICE Project Number 10503-40
ICE Folder Name: LOGCAP APPLICATION NOTE, June 24, 1980

Box 123, Folder 8
Box 123, Folder 8, ICE Project Number 10503-40A
ICE Folder Name: LOGCAP APPLICATION NOTE, June 24, 1980

Box 123, Folder 9
Box 123, Folder 9, ICE Project Number 10503-40B
ICE Folder Name: LOGCAP APPLICATION NOTE, June 24, 1980

Box 123, Folder 10
Box 123, Folder 10, ICE Project Number 10503-40C
ICE Folder Name: LOGCAP APPLICATION NOTE, June 24, 1980

Box 123, Folder 11
Box 123, Folder 11, ICE Project Number 10503-41
ICE Folder Name: LOGCAP EXERCISE A, June 24, 1980

Box 123, Folder 12
Box 123, Folder 12, ICE Project Number 10503-41/SN
ICE Folder Name: ANSWER TO LOGCAP EXERCISE A, June 24, 1980

Box 123, Folder 13  Box 123, Folder 13, ICE Project Number 10503-42
ICE Folder Name: NMOS METAL GATE DESIGN RULES, 1980

Box 123, Folder 14  Box 123, Folder 14, ICE Project Number 10503-43
ICE Folder Name: NMOS SILICON GATE DESIGN RULE, 1980

Box 123, Folder 15  Box 123, Folder 15, ICE Project Number 10503-44
ICE Folder Name: YOUR COMPUTER SYSTEM THE BASICS, Mar 14, 1978

Box 123, Folder 16  Box 123, Folder 16, ICE Project Number 10503-45
ICE Folder Name: TEST PROGRAM GENERATION, 1980
Content Summary: (for NCR use only)

Box 123, Folder 17  Box 123, Folder 17, ICE Project Number 10503-46
ICE Folder Name: ANSWERS FOR 10503-17 ADDENDUM, Undated

Box 123, Folder 18  Box 123, Folder 18, ICE Project Number 10503-47
ICE Folder Name: LABORATORY EXERCISES FOR USE IN CONJUNCTION WITH INTEGRATED CIRCUIT BIASING TECH. (ICE PUB. 10503-19), Jan 4, 198? Content Summary: notes too

Box 123, Folder 19  Box 123, Folder 19, ICE Project Number 10503-48
ICE Folder Name: OPERATIONAL AMPLIFIER LABORATORY EXERCISES, Jan 7, 1981 Content Summary: (notes too)

Box 123, Folder 20  Box 123, Folder 20, ICE Project Number 10503-49
ICE Folder Name: RESISTER DESIGN EXERCIZES, Jan 10, 1981
Content Summary: for use with "resistor worksheet for standard linear process" addend. To pub. 10503-17 (notes too)

Box 123, Folder 21  Box 123, Folder 21, ICE Project Number 10503-50
ICE Folder Name: SOLUTION TO RESISTOR DESIGN PROBLEMS, Jan 7, 1981
Content Summary: instructor handout for ICE pub. 10503-49 (notes too)

Box 123, Folder 22  Box 123, Folder 22, ICE Project Number 10503-54
ICE Folder Name: SUPPORTING NOTES FOR MOTOROLA 6802 PRODUCT EVALUATION, 1981

Box 124, Folder 1  Box 124, Folder 1, ICE Project Number 10505
ICE Folder Name: HERMAN MILLER, INC, May 08, 1979
Content Summary: typical semiconductor facilities

Box 124, Folder 2

ICE Folder Name: HERMAN MILLER, INC, May 08, 1979
Content Summary: clean room concepts.

Box 124, Folder 3

ICE Folder Name: HERMAN MILLER, INC, May 08, 1979
Content Summary: correspondence

Box 124, Folder 4

ICE Folder Name: HERMAN MILLER, INC, May 08, 1979
Content Summary: presentation: semiconductor/IC industry & facility problems 8/23-24/79

Box 124, Folder 5

ICE Folder Name: HERMAN MILLER, INC, May 08, 1979
Content Summary: proposed VSLIc facility for nosc/dod needs

Box 124, Folder 6

ICE Folder Name: HERMAN MILLER, INC, May 08, 1979
Content Summary: class 10,000 vertical laminar flow room req'mnts/ installation/characteristics'/cost

Box 124, Folder 7

ICE Folder Name: HERMAN MILLER, INC, May 08, 1979
Content Summary: analysis of stable growth of IC's based on consumption proj.

Box 124, Folder 8

ICE Folder Name: TELEMATION, Aug 10, 1979
Content Summary: fairchild part # f464-3dc/64k memory device inability to ship

Box 124, Folder 9
ICE Folder Name: SEMI PRESENTATION, NEWPORT BEACH, CA- JAN. 27-30, 1980, June 13, 1979
Content Summary: "photo ready report" - "a compilation of visual aids used for wafer fabrication session"

Box 124, Folder 10
Box 124, Folder 10, ICE Project Number 10507

ICE Folder Name: SEMI PRESENTATION, NEWPORT BEACH, CA- JAN. 27-30, 1980, June 13, 1979
Content Summary: copy of reports for seminar captive semiconductor manufacturing changes in the semiconductor industry the captive point of view the captive market the semiconductor test equip. market

Box 124, Folder 11
Box 124, Folder 11, ICE Project Number 10507

ICE Folder Name: SEMI PRESENTATION, NEWPORT BEACH, CA- JAN. 27-30, 1980, June 13, 1979
Content Summary: semiconductor test equip. mkt grm present. overview mhe

Box 124, Folder 12
Box 124, Folder 12, ICE Project Number 10507

ICE Folder Name: SEMI PRESENTATION, NEWPORT BEACH, CA- JAN. 27-30, 1980, June 13, 1979
Content Summary: correspondence

Box 124
Box 125, Folder 1, ICE Project Number 10507

ICE Folder Name: SEMI PRESENTATION, NEWPORT BEACH, CA- JAN. 27-30, 1980, June 13, 1979
Content Summary: hsitc pub.1013/Nov. 1979 "competitive factors influencing world trade in integrated circuits"

Box 125, Folder 2
Box 125, Folder 2, ICE Project Number 10507

ICE Folder Name: SEMI PRESENTATION, NEWPORT BEACH, CA- JAN. 27-30, 1980, June 13, 1979
Content Summary: draft report "IC market" including technical article reprints

Box 125, Folder 3
Box 125, Folder 3, ICE Project Number 10507

ICE Folder Name: SEMI PRESENTATION, NEWPORT BEACH, CA- JAN. 27-30, 1980, June 13, 1979
Content Summary: semi 1979/1980 directory

Box 125, Folder 4
Box 125, Folder 4, ICE Project Number 10508
ICE Folder Name: TETRONIX, June 15, 1979  
Content Summary: IC lab design & layout for r&d equip. selection. Miscell.

Box 125, Folder 5  
Box 125, Folder 5, ICE Project Number 10510

ICE Folder Name: NIKON INSTRUMENT DIVISION, Mar 09, 1979  
Content Summary: master req for optical instrum. in IC hfg one orig. photo.

Box 125, Folder 6  
Box 125, Folder 6, ICE Project Number 10510

ICE Folder Name: NIKON INSTRUMENT CORP, Mar 09, 1979  
Content Summary: req for optical instrum. In IC mfg correspondence & notes

Box 125, Folder 7  
Box 125, Folder 7, ICE Project Number 10510

ICE Folder Name: NIKON INSTRUMENT DIVISION, Mar 09, 1979  
Content Summary: req for optical instrum. In IC mfg technical articles- one 8x10 org photo

Box 125, Folder 8  
Box 125, Folder 8, ICE Project Number 10511

ICE Folder Name: STATUS '80 SEMINAR, Aug 20, 1979  
Content Summary: Feb. 6, 1980- Rickeys Hyatt House, Palo Alto, CA

Box 125, Folder 9  
Box 125, Folder 9, ICE Project Number 10512

ICE Folder Name: IMPLEMENTATION OF IC TECH, Jan 24, 1980  
Content Summary: seminar- Phoenix, AZ. Feb. 26-27/80

Box 125, Folder 10  
Box 125, Folder 10, ICE Project Number 10513

ICE Folder Name: FAILURE AVOIDANCE SEMINAR, Feb 14, 1980Content Summary: Double Tree Inn, Scottsdale, AZ Apr. 11-12, 1980.

Box 125, Folder 11  
Box 125, Folder 11, ICE Project Number 10514

ICE Folder Name: 3M COMPANY, July 20, 1979  
Content Summary: lo analysis of supplied carts (porch order only)

Box 125, Folder 12  
Box 125, Folder 12, ICE Project Number 10515

ICE Folder Name: SILICON WATER FABRICATION TRNG PROG. CANON USA, July 19, 1979  
Content Summary: U of NC12, July 30-Aug. 24, 1979
ICE Folder Name: GENERAL ELECTRIC, VALLEY FORGE, April 1979
Content Summary: "y" miscellaneous

Box 126, Folder 11

ICE Folder Name: FORD AEROSPACE & COMMUNICATIONS CORP, Aug 06, 1979
Content Summary: microelectronics facility costing & equipment study

Box 126, Folder 12

ICE Folder Name: FORD AEROSPACE & COMMUNICATIONS CORP, Aug 06, 1979
Content Summary: microelectronics facility costing & equipment study correspondence

Box 126, Folder 13

ICE Folder Name: SUNBEAM CLOCK COMPANY (UNIT OF SPRINGFIELD INSTRU. CO), June 06, 1979
Content Summary: crystal clock movements

Box 127, Folder 1

ICE Folder Name: SUNBEAM CLOCK COMPANY (UNIT OF SPRINGFIELD INSTRU. CO), June 06, 1979
Content Summary: correspondence

Box 127, Folder 2

ICE Folder Name: SUNBEAM CLOCK COMPANY (UNIT OF SPRINGFIELD INSTRU. CO), June 06, 1979
Content Summary: call sheets

Box 127, Folder 3

ICE Folder Name: SYSTEM DEVELOPMENT CORP, July 17, 1979
Content Summary: alphatron piper & bg ROM design review correspondence mhe

Box 127, Folder 4

ICE Folder Name: SYSTEM DEVELOPMENT CORP, July 17, 1979
Content Summary: alphatron piper & bg ROM design review general & misc. info (mhe)

Box 127, Folder 5

Box 127, Folder 5, ICE Project Number 10520

ICE Folder Name: SYSTEM DEVELOPMENT CORP, July 17, 1979
Content Summary: alphatron piper & bg ROM design review photocopies

Box 127, Folder 6

Box 127, Folder 6, ICE Project Number 10522

ICE Folder Name: TEMPRESS CORP.- IC FABRICATION SEMINAR, Mar 23, 1979
Content Summary: 10/22/79 at Los Gatos, CA.

Box 127, Folder 7

Box 127, Folder 7, ICE Project Number 10523

ICE Folder Name: GENERAL AUTOMATION, Aug 10, 1979
Content Summary: 4k hypak failure analysis.

Box 127, Folder 8

Box 127, Folder 8, ICE Project Number 10524

ICE Folder Name: SELF CHECKING I.C. TECHNOLOGY-SIEMENS, Aug 03, 1979
Content Summary: master (self checking semiconductor chips)

Box 127, Folder 9

Box 127, Folder 9, ICE Project Number 10524

ICE Folder Name: SELF CHECKING I.C. TECHNOLOGY-SIEMENS, Aug 03, 1979
Content Summary: artwork

Box 127, Folder 10

Box 127, Folder 10, ICE Project Number 10524

ICE Folder Name: SELF CHECKING I.C. TECHNOLOGY-SIEMENS, Aug 03, 1979
Content Summary: miscellaneous

Box 127, Folder 11

Box 127, Folder 11, ICE Project Number 10524

ICE Folder Name:; Aug 03, 1979
Content Summary: correspondenc

Box 127, Folder 12

Box 127, Folder 12, ICE Project Number 10524

ICE Folder Name: SELF CHECKING I.C. TECHNOLOGY-SIEMENS, Aug 03, 1979
Content Summary: misc. technical papers.

Box 127, Folder 13

ICE Folder Name: GTE ANALYSIS FO FUTURE REQUIREMENTS, April 16, 1979
Content Summary: (GTE Huntsville, microcircuits div.) evaluations of various companies for acquisition Nanon/Nitron, EM&M (Elect. Mem & Mag)

Box 127, Folder 14

ICE Folder Name: GTE ANALYSIS FO FUTURE REQUIREMENTS, April 16, 1979
Content Summary: (grm) trip folder 10-31-79

Box 128, Folder 1

ICE Folder Name: GTE ANALYSIS FO FUTURE REQUIREMENTS, April 16, 1979
Content Summary: correspondence

Box 128, Folder 2

ICE Folder Name: SILICON GENERAL/CONTRACT-SPERRY/UNIVAC, April 05, 1978
Content Summary: design and layout of the 55329 circuit

Box 128, Folder 3

ICE Folder Name: SILICON GENERAL/CONTRACT-SPERRY/UNIVAC, April 05, 1978
Content Summary: design and layout of the 55329 circuit

Box 128, Folder 4

ICE Folder Name: SRI INTERNATIONAL, Dec 04, 1978
Content Summary: profile of American Microsystems report master copy

Box 128, Folder 5

ICE Folder Name: SRI INTERNATIONAL, Dec 04, 1978
Content Summary: profile of American Microsystems orig. graphs.

Box 128, Folder 6

ICE Folder Name: SRI INTERNATIONAL, Dec 04, 1978
Content Summary: profile of American Microsystems correspondence

Box 128, Folder 7  Box 128, Folder 7, ICE Project Number 10528

ICE Folder Name: SRI INTERNATIONAL, Dec 04, 1978
Content Summary: profile of American Microsystems 600 m- miscellaneous

Box 128, Folder 8  Box 128, Folder 8, ICE Project Number 10529

ICE Folder Name: SUMITOMO ELECTRIC, Aug 13, 1979
Content Summary: train/plan/prog. Management to dev/fab./design capability for MOS I.C.

Box 129, Folder 1  Box 129, Folder 1, ICE Project Number 10546

ICE Folder Name: CUTLER-HAMMER, Feb 27, 1979
Content Summary: x-ray lithography

Box 129, Folder 2  Box 129, Folder 2, ICE Project Number 10547
ICE Folder Name: COMSAT, Nov 01, 1979

Box 129, Folder 3  Box 129, Folder 3, ICE Project Number 10548

ICE Folder Name: VARO SEMICONDUCTOR, Dec 07, 1977
Content Summary: product planning program master

Box 129, Folder 4  Box 129, Folder 4, ICE Project Number 10548

ICE Folder Name: VARO SEMICONDUCTOR, Dec 07, 1977
Content Summary: trip folder/semiconductor marketing/semiconductor forecast (1974-1982)

Box 129, Folder 5  Box 129, Folder 5, ICE Project Number 10548

ICE Folder Name: VARO SEMICONDUCTOR, Dec 07, 1977
Content Summary: Int'nat'l Rectif. Hextet power MOSFET & light-triggerd thyristors for elect. Power systems. Ge research report

Box 129, Folder 6  Box 129, Folder 6, ICE Project Number 10550

ICE Folder Name: LEAR-SIEGLER, SIERRA ELECTRONICS CO (DIV.) (MHE), Oct 11, 1979
Content Summary: mgmt. Dev, mtgm San Diego, CA 10/1-11/1/79 orig. slides

Box 129, Folder 7  Box 129, Folder 7, ICE Project Number 10555
ICE Folder Name: TEXAS INTRUMENTS, Nov 12, 1979
Content Summary: IC sales dollars for varied companies project

Box 129, Folder 8

ICE Folder Name: HUGES (HUGHES) AIRCRAFT LSI PROJECT FILE, Aug 1979
Content Summary: includes 4 tranparencies

Box 129, Folder 9

ICE Folder Name: HUGHES AIRCRAFT LSI, Aug 1979
Content Summary: ICE report- review of CHSIC prog. For Dept. of Def. Rev. b

Box 129, Folder 10

ICE Folder Name: HUGHES AIRCRAFT LSI, Aug 1979
Content Summary: originals- proc. Or in house mfg of LSI altern. 11/79

Box 129, Folder 11

ICE Folder Name: FOUR PHASE SYS. PROD. EVAL. CONSTR. ANALY 10/13/79, Sept 09, 1979
Content Summary: test & evalof 4 phase RAM-12 wafers

Box 129, Folder 12

ICE Folder Name: FOUR PHASE SYS. PROD. EVAL. CONSTR. ANALY 10/13/79, Sept 06, 1979
Content Summary: spec. report *analysis of two four pahse RAM-12 wafers Dec. 1979 original text original photos -2 8x10 - 1 9x7 "made up" of 6 smaller taped together - 19 orig 4x5 polaroids - 1 tranparency

Box 129, Folder 13

ICE Folder Name: FAILURE AVOIDANCE SEMINAR, UNIV. BORDEAU, TALENCE FRANCE 11/21-23/1979, Aug 11, 1979

Box 129, Folder 14

ICE Folder Name: FAILURE AVOIDANCE SEMINAR, UNIV. BORDEAU, TALENCE FRANCE 11/21-23/1979, Aug 11, 1979
Content Summary: correspondence
ICE Folder Name: APEM ELECTRONIC SYSTEM SEMINAR, HURON, OHIO 12/9-12/1979, Oct 11, 1979
Content Summary: for General Motors Institute correspondence

ICE Folder Name: APEM ELECTRONIC SYSTEM SEMINAR, HURON, OHIO 12/9-12/1979, Oct 11, 1979
Content Summary: seminar course material

ICE Folder Name: INTEGRATED CIRCUIT PROCUREMENT SEMINAR AT SCOTTSDALE, ARIZONA, DEC 12-14, 1979, Aug 23, 1979

ICE Folder Name: POTENTIAL THREAT OF FURTHER SEMICONDUCTOR INDUSTRY EXPANSION GENERAL ELECTRIC, Oct 03, 1979
Content Summary: [orig. of report]

ICE Folder Name: CANCELLED I.C. TRANSISTOR DESIGN SEMINAR FOR IBM, Oct 25, 1979
Content Summary: (12/10-12 & 12/12-14/1979)

ICE Folder Name: GENERAL SIGNAL - EVALUATE ACQUISITION POTENTIALS, Nov 01, 1979
Content Summary: Cobilt

ICE Folder Name: GENERAL SIGNAL - EVALUATE ACQUISITION POTENTIALS, Nov 01, 1979
Content Summary: Xynetics
ICE Folder Name: GENERAL SIGNAL - EVALUATE ACQUISITION POTENTIALS, Nov 01, 1979
Content Summary: Hamco

Box 131, Folder 1
Box 131, Folder 1, ICE Project Number 10563

ICE Folder Name: GENERAL SIGNAL - EVALUATE ACQUISITION POTENTIALS, Nov 01, 1979
Content Summary: special seminar - semiconductor fabrication equipment (12-18-79)

Box 131, Folder 2
Box 131, Folder 2, ICE Project Number 10564
ICE Folder Name: FAILURE AVOIDANCE SEMINAR SCOTTSDALE, ARIZONA JUNE 11,12, 1980, Nov 06, 1979

Box 131, Folder 3
Box 131, Folder 3, ICE Project Number 10565
ICE Folder Name: IMPLEMENTATION OF I.C. TECHNOLOGY SEMINAR PALO ALTO, CALIF, APRIL 23-24, 1980, Nov 12, 1979

Box 131, Folder 4
Box 131, Folder 4, ICE Project Number 10566

ICE Folder Name: KIET(KOREA INSTIT. OF ELECTRONICS TECH), July 05, 1979
Content Summary: correspondence contains 14 orig.

Box 131, Folder 5
Box 131, Folder 5, ICE Project Number 10566

ICE Folder Name: KIET(KOREA INSTIT. OF ELECTRONICS TECHNOLOGY), July 05, 1979
Content Summary: training program.

Box 131, Folder 6
Box 131, Folder 6, ICE Project Number 10567

ICE Folder Name: SMC(STANDARD MICROSYSTEMS CORP), Mar 14, 1979
Content Summary: special analysis(hm4716a-2 16k RAM) mfg by Hitachi

Box 131, Folder 7
Box 131, Folder 7, ICE Project Number 10587

ICE Folder Name: WORLD BANK PROJECTS, Aug 04, 1977
Content Summary: translate & evaluate documents on Mexican electronics industry includes indust. control equip./ telephone & other telecom. equip/ microcomputers. quote 1997A

Box 132, Folder 1
Box 132, Folder 1, ICE Project Number 10587

Page 227 of 318
ICE Folder Name: WORLD BANK PROJECTS, Aug 04, 1977
Content Summary: four year rd & e program (1980-1983) - training b. polar & MOS in ws -n channel silicon gate processing 4 original photos

Box 132, Folder 2

ICE Folder Name: MEMOREX CORPORATION, Dec 10, 1979
Content Summary: proposal to train I.C. product eval. Techniques

Box 132, Folder 3

ICE Folder Name: MCKINSEY & COMPANY, INC, Jan 08, 1980
Content Summary: consulting/ training status & implementation of IC's report.- IBM system/ 38 technical developments (IBM)

Box 132, Folder 4

ICE Folder Name: ICE CAP REPORT, May 01, 1980
Content Summary: original report Japanese IC world penetration

Box 132, Folder 5

ICE Folder Name: ICE CAP REPORT, May 01, 1980
Content Summary: miscellaneous. Copyright regist graphs

Box 133, Folder 1

ICE Folder Name: MARTIN MARIETTA CONSULTING, Dec 19, 1979
Content Summary: Harris Semiconductor, Fla. b. polar circuits not meeting specs.

Box 133, Folder 2

ICE Folder Name: CHERRY SEMICONDUCTOR, Jan 16, 1980
Content Summary: "1979 Yieldbust" increased wafer prod. With insufficient trained personnel

Box 133, Folder 3

ICE Folder Name: G.S. GRUMMAN/COWEN, Jan 07, 1980
Content Summary: annual consulting agreement

Box 133, Folder 4

ICE Folder Name: ROSE MOUNT, INC LAB & LAB SITE, Jan 16, 1980
Content Summary: program to establish flexible r&d semiconductor facility correspondence

Box 133, Folder 5  Box 133, Folder 5, ICE Project Number 10599

ICE Folder Name: ROSE MOUNT, INC LAB & LAB SITE, Jan 16, 1980
Content Summary: program to establish flexible r&d semiconductor facility reports - phase I. Photolithog. lab & r&d site selection (2) - the automatic I.C. factor.

Box 133, Folder 6  Box 133, Folder 6, ICE Project Number 10620

ICE Folder Name: CORSO GRAY INSTRUMENTS (CGI) (found in 14620), Mar 30, 1979
Content Summary: Texas Instr. Comparison of cgi and themeo 4-stack furnace proj.

Box 133, Folder 7  Box 133, Folder 7, ICE Project Number 10621

ICE Folder Name: PRESENTATION AT ITT (N.Y.) (HKD), Jan 31, 1980
Content Summary: gold in the semiconductor industry

Box 133, Folder 8  Box 133, Folder 8, ICE Project Number 10624

ICE Folder Name: ALLIED CHEMICAL CORP., March 05, 1980
Content Summary: silicon wafer fabrication trends.

Box 133, Folder 9  Box 133, Folder 9, ICE Project Number 10626

ICE Folder Name: FORD AEROSPACE (WIS), Mar 14, 1980
Content Summary: market study for wafer inspection systems

Box 134, Folder 1  Box 134, Folder 1, ICE Project Number 10649

ICE Folder Name: SEMI-WAFER FABRICATION- LITHOGRAPHY (MEK), April 07, 1980
Content Summary: (contribution to semi-outlook publication)

Box 134, Folder 2  Box 134, Folder 2, ICE Project Number 10657

ICE Folder Name: ITT-SENSOR TECHNOLOGY & MARKETS, May 01, 1980
Content Summary: intelligent products, microprocessors, automotive sensors

Box 134, Folder 3  Box 134, Folder 3, ICE Project Number 10661
ICE Folder Name: MID-TERM STATUS - PALO ALTO. CA AUG. 26, 1980, May 05, 1980
Content Summary: seminar, correspond/miscel

Box 134, Folder 4  Box 134, Folder 4, ICE Project Number 10665

ICE Folder Name: BASIC TECHNOLOGY, April 10, 1980
Content Summary: Palo Alto, CA

Box 134, Folder 5  Box 134, Folder 5, ICE Project Number 10667

ICE Folder Name: UNIVERSITY OF MINNESOTA (WIS), Jan 14, 1980
Content Summary: projections on power transistors

Box 134, Folder 6  Box 134, Folder 6, ICE Project Number 10668

ICE Folder Name: UNITED ENGINEERS & CONST. INC, Mar 27, 1980
Content Summary: proposed 800,000 sq. ft. semiconductor facility for Western Electric

Box 134, Folder 7  Box 134, Folder 7, ICE Project Number 10669

ICE Folder Name: WESTERN ELECTRIC, Feb 08, 1980
Content Summary: semiconductors patent litigation tasks a-m

Box 134, Folder 8  Box 134, Folder 8, ICE Project Number 10669

ICE Folder Name: WESTERN ELECTRIC, Feb 08, 1980
Content Summary: task a- sputtering

Box 134, Folder 9  Box 134, Folder 9, ICE Project Number 10669

ICE Folder Name: WESTERN ELECTRIC, Feb 08, 1980
Content Summary: task b- semi alloys

Box 135, Folder 1  Box 135, Folder 1, ICE Project Number 10669

ICE Folder Name: WESTERN ELECTRIC, Feb 08, 1980
Content Summary: task c,d,e,g,m c-16k RAM d-analog device bonding operations e-Japan bipolar exports g-silicon gates sales m-analog devices product pricing

Box 135, Folder 2  Box 135, Folder 2, ICE Project Number 10669
ICE Folder Name: WESTERN ELECTRIC, Feb 08, 1980
Content Summary: task f- modem purchase

Box 135, Folder 3
Box 135, Folder 3, ICE Project Number 10669

ICE Folder Name: WESTERN ELECTRIC, Feb 08, 1980
Content Summary: task h- timer study

Box 135, Folder 4
Box 135, Folder 4, ICE Project Number 10669

ICE Folder Name: WESTERN ELECTRIC, Feb 08, 1980
Content Summary: task j- lambda sales task k- lamda we patents on diffusion etc.

Box 135, Folder 5
Box 135, Folder 5, ICE Project Number 10674

ICE Folder Name: GENERAL INSTRUMENT/HICKSVILLE, NY, April 15, 1980
Content Summary: availability for pojection alignment machines

Box 135, Folder 6
Box 135, Folder 6, ICE Project Number 10679

ICE Folder Name: HONEYWELL JUNE 18, 1980 PRESENTATION, May 05, 1980
Content Summary: IC technology in the 80's report & transparencies

Box 135, Folder 7
Box 135, Folder 7, ICE Project Number 10679

ICE Folder Name: HONEYWELL JUNE 18, 1980 PRESENTATION, May 05, 1980
Content Summary: IC technology in the 80's transparencies

Box 135, Folder 8
Box 135, Folder 8, ICE Project Number 10679

ICE Folder Name: WANG LABORATORIES, May 16, 1980
Content Summary: LSI facility planning retainer contract correspond./ miscell

Box 135, Folder 9
Box 135, Folder 9, ICE Project Number 10679

ICE Folder Name: WANG LABORATORIES, May 16, 1980
Content Summary: LSI facility planning retainer contract educational program for operators

Box 135, Folder 10
Box 135, Folder 10, ICE Project Number 10679
ICE Folder Name: WANG LABORATORIES, May 16, 1980
Content Summary: LSI facility planning retainer contract LSI design system implementation plan.

Box 135, Folder 11
Box 135, Folder 11, ICE Project Number 10679

ICE Folder Name: WANG LABORATORIES, May 16, 1980
Content Summary: LSI facility planning retainer contract report on job classification documentation

Box 135, Folder 12
Box 135, Folder 12, ICE Project Number 10679

ICE Folder Name: WANG LABORATORIES, May 16, 1980
Content Summary: LSI facility planning retainer contract assembly area equipment list

Box 135, Folder 13
Box 135, Folder 13, ICE Project Number 10679

ICE Folder Name: WANG LABORATORIES, May 16, 1980
Content Summary: LSI facility planning retainer contract utility matrix

Box 136, Folder 1
Box 136, Folder 1, ICE Project Number 10681

ICE Folder Name: DUPONT, Jan 17, 1980
Content Summary: mkt. feasibility study for polymide usage in the semiconductor industry corresp./miscell

Box 136, Folder 2
Box 136, Folder 2, ICE Project Number 10681

ICE Folder Name: DUPONT, Jan 17, 1980
Content Summary: mkt. feasibility study for polymide usage in the semiconductor industry - master

Box 136, Folder 3
Box 136, Folder 3, ICE Project Number 10681

ICE Folder Name: DUPONT, Jan 17, 1980
Content Summary: market feasibility study for polymide usage in the semiconductor industry - competition

Box 136, Folder 4
Box 136, Folder 4, ICE Project Number 10684

ICE Folder Name: GOULD NAVCON SYSTEMS DIV, May 06, 1980
Content Summary: impact of semiconductors seminar June 12, 1980

Box 136, Folder 5
Box 136, Folder 5, ICE Project Number 10684
ICE Folder Name: GOULD NAVCON SYSTEMS DIV, May 06, 1980
Content Summary: impact of semiconductor seminar report master copy

Box 136, Folder 6
Box 136, Folder 6, ICE Project Number 10766

ICE Folder Name: PEABODY TESTING SERVICES GRM, Sept 03, 1980
Content Summary: semiconductor handlers and equip. mkt report

Box 136, Folder 7
Box 136, Folder 7, ICE Project Number 10766

ICE Folder Name: PEABODY TESTING SERVICES GRM, Sept 03, 1980
Content Summary: semiconductor handlers and equip. mkt. Miscellaneous

Box 136, Folder 8
Box 136, Folder 8, ICE Project Number 10795

ICE Folder Name:
Content Summary: file empty

Box 137, Folder 1
Box 137, Folder 1, ICE Project Number 10819

ICE Folder Name: EXXON ENTERPRISES, Sept 19, 1980
Content Summary: market study for high-density CMOS ROM final report and "marked up" draft

Box 137, Folder 2
Box 137, Folder 2, ICE Project Number 10819

ICE Folder Name: EXXON ENTERPRISES, Sept 19, 1980
Content Summary: market study for high-density CMOS ROM miscellaneous

Box 137, Folder 3
Box 137, Folder 3, ICE Project Number 10820

ICE Folder Name: WESTERN DIGITAL CORP. GRM/HKD, Nov 03, 1980
Content Summary: 4" wafer fab. facility acquisition engineering appraisal of gte-phoenix (report(s)]

Box 137, Folder 4
Box 137, Folder 4, ICE Project Number 10820

ICE Folder Name: WESTERN DIGITAL CORP. GRM/HKD, Nov 03, 1980
Content Summary: 4" wafer fab. Facility acquisition miscellaneous

Box 137, Folder 5
Box 137, Folder 5, ICE Project Number 10821

ICE Folder Name: MCKINSEY & CO USA/JAPAN, Nov 03, 1980
Content Summary: economics of Japan for production & worldwide marketing of discrete semiconductors & IC's

Box 138, Folder 1  Box 138, Folder 1, ICE Project Number 10826

ICE Folder Name: STATEGIC ANALYSIS INC., Nov 10, 1980
Content Summary: chemicals and related material for the semiconductor industry

Box 138, Folder 2  Box 138, Folder 2, ICE Project Number 10828

ICE Folder Name: SUMITOMO ELECTRIC USA, INC, June 26, 1980
Content Summary: companies involved in GaAs and Group III-V products master report

Box 138, Folder 3  Box 138, Folder 3, ICE Project Number 10828

ICE Folder Name: SUMITOMO ELECTRIC USA, INC, June 26, 1980
Content Summary: companies involved in GaAs and Group III-V products

Box 138, Folder 4  Box 138, Folder 4, ICE Project Number 10829

ICE Folder Name: XEROX DEV. CORP, Nov 21, 1980
Content Summary: potential high resolution laser printer application to multi layer printed circuit board mfg.

Box 138, Folder 5  Box 138, Folder 5, ICE Project Number 10833

ICE Folder Name: GENERAL MOTORS APEM SEMINAR 2/23-26/81 ANN ARBOR, MI [ADVANCED PROGRAM FOR ENGINEERING MANAGERS], Nov 21, 1980
Content Summary: computers/microelectronics/qc/seminar/course details

Box 138, Folder 6  Box 138, Folder 6, ICE Project Number 10833

ICE Folder Name: GENERAL MOTORS APEM SEMINAR 2/23-26/81 ANN ARBOR, MI, Nov 21, 1980
Content Summary: computers/microelectronics/qc/correspondence/course evals

Box 138, Folder 7  Box 138, Folder 7, ICE Project Number 10840

ICE Folder Name: CUTLER-HAMMER, Dec 23, 1980
Content Summary: initial exploratory meeting (mhe)

Box 138, Folder 8  Box 138, Folder 8, ICE Project Number 10844
ICE Folder Name: HITACHI RESEARCH INSTITUTE, Dec 17, 1980
Content Summary: semiconductor decision making process at Motorola & Micral & TI includes custom LSI usage

Box 138, Folder 9
ICE Folder Name: HITACHI RESEARCH INSTITUTE, Dec 17, 1980
Content Summary: semiconductor decision making process at Motorola & Micral & TI includes custom LSI usage master report draft

Box 139, Folder 1
ICE Folder Name: HITACHI RESEARCH INSTITUTE, Dec 17, 1980
Content Summary: semiconductor decision making process at Motorola & Micral & TI includes custom LSI usage correspondence and company reports

Box 139, Folder 2
ICE Folder Name: COST INFORMATION, Nov 1979
Content Summary: (management measuring sticks)

Box 139, Folder 3
ICE Folder Name: COST INFORMATION, Nov 1979
Content Summary: Digital Equip. corp

Box 139, Folder 4
ICE Folder Name: CASL REPORT, Jan 29, 1981
Content Summary: 15-856-2 master copy

Box 139, Folder 5
ICE Folder Name: GTE PHOENIX IC EVALUATION, Dec 22, 1980

Box 139, Folder 6
ICE Folder Name: I.C. MARKET STATEGY SURVEY, Dec 22, 1980

Box 139, Folder 7
ICE Folder Name: A STUDY OF MERCAHNT IC MARKET STATEGY, Dec 22, 1980

Box 140, Folder 1
ICE Folder Name:
Box 140, Folder 2  Box 140, Folder 2, ICE Project Number 10858

ICE Folder Name:
Content Summary: empty folder

Box 140, Folder 3  Box 140, Folder 3, ICE Project Number 10858

ICE Folder Name:
Content Summary: empty folder

Box 140, Folder 4  Box 140, Folder 4, ICE Project Number 11605

ICE Folder Name: WESTINGHOUSE - YOUNGWOOD, PA., Jan 16, 1980
Content Summary: consultation automated wafer handling & equip.

Box 140, Folder 5  Box 140, Folder 5, ICE Project Number 11611

ICE Folder Name: GENERAL ELECTRIC - VALLEY FORGE, Feb 14, 1980
Content Summary: proposed microelectronics center

Box 140, Folder 6  Box 140, Folder 6, ICE Project Number 11611

ICE Folder Name: GENERAL ELECTRIC - VALLEY FORGE, Feb 14, 1980
Content Summary: proposed microelectronics center correspondence

Box 140, Folder 7  Box 140, Folder 7, ICE Project Number 11611

ICE Folder Name: GENERAL ELECTRIC - VALLEY FORGE, Feb 14, 1980
Content Summary: proposed microelectronics center original 10611 mgmt approaches for captive LSI facilities

Box 140, Folder 8  Box 140, Folder 8, ICE Project Number 11615

ICE Folder Name: GENRAD, Feb 19, 1980
Content Summary: genrad circuit 934 b/p 5434-0130 custom driven/sensor IC

Box 140, Folder 9  Box 140, Folder 9, ICE Project Number 11616

ICE Folder Name: FISHER PRICE, Feb 08, 1980
Content Summary: failure analysis of digital chip report orig. photo's

Box 141, Folder 1  Box 141, Folder 1, ICE Project Number 11616
ICE Folder Name: FISHER PRICE, Feb 08, 1980
Content Summary: failure analysis of digital chip report Siltronics correspondence

Box 141, Folder 2
Box 141, Folder 2, ICE Project Number 11616

ICE Folder Name: FISHER PRICE, Feb 08, 1980
Content Summary: failure analysis of digital chip report Siltronics schematics

Box 141, Folder 3
Box 141, Folder 3, ICE Project Number 11617

ICE Folder Name: XEROX CORP. CONSULTING/TRAINING, Jan 04, 1980
Content Summary: orig. report: review of IC supply/demand 1980-1985 (10617)

Box 141, Folder 4
Box 141, Folder 4, ICE Project Number 11647

ICE Folder Name: HEINEMAN ELECTRIC CO, TRENTON, N.J., Sept 11, 1980
Content Summary: report cost analysis of solid state circuit breaker

Box 141, Folder 5
Box 141, Folder 5, ICE Project Number 11658

ICE Folder Name: GENERAL DYNAMICS, April 25, 1980
Content Summary: eng. services, rep't on CMOS LCA facility

Box 141, Folder 6
Box 141, Folder 6, ICE Project Number 11662

ICE Folder Name: FISHER PRICE TOYS, April 15, 1980
Content Summary: circuit inefficiencies

Box 141, Folder 7
Box 141, Folder 7, ICE Project Number 11675

ICE Folder Name: SUMITOMO FACILITY PLANNING PHASE III, June 19, 1980
Content Summary: competitive equipment quote ROM teksez

Box 141, Folder 8
Box 141, Folder 8, ICE Project Number 11675

ICE Folder Name: SUMITOMO FACILITY PLANNING PHASE III, June 19, 1980
Content Summary: gas systems

Box 142, Folder 1
Box 142, Folder 1, ICE Project Number 11675
ICE Folder Name: SUMITOMO, July 30, 1979
Content Summary: new IC r&d plant-Osaka, Japan

Box 142, Folder 2
Box 142, Folder 2, ICE Project Number 11677

ICE Folder Name: SUMITOMO ELECTRIC, USA. INC, Aug 1980
Content Summary: bipolar linear design library

Box 142, Folder 3
Box 142, Folder 3, ICE Project Number 11682

ICE Folder Name: RIFA, SPANGA, SWEDEN (DIV. L.M. ERICKSON), May 20, 1980
Content Summary: study to increase yield of DTMF circuits - report on 3533 circuits mfg by riga

Box 143, Folder 1
Box 143, Folder 1, ICE Project Number 11682

ICE Folder Name: RIFA, SPANGA, SWEDEN/ CONSULTING SERV. YIELD IMPROVEMENT, June 18, 1980
Content Summary: report on 3533 circuits mfg by RIFA copy of report on photomask procurement specification prepared for Sumitomo-11677 copy of Science News, Sept. 27, 1980

Box 143, Folder 2
Box 143, Folder 2, ICE Project Number 11682

ICE Folder Name: RIFA, SPANGA, SWEDEN/ CONSULTING SERV. YIELD IMPROVEMENT, June 18, 1980
Content Summary: original tranparencies (mask sets/circuits)

Box 143, Folder 3
Box 143, Folder 3, ICE Project Number 11682

ICE Folder Name: RIFA, SPANGA, SWEDEN/ CONSULTING SERV. YIELD IMPROVEMENT, June 18, 1980
Content Summary: correspondence / original photos 18 polaroids 30 (2x3) taped together

Box 143, Folder 4
Box 143, Folder 4, ICE Project Number 11682

ICE Folder Name: RIFA, SPANGA, SWEDEN/ CONSULTING SERV. YIELD IMPROVEMENT, June 18, 1980
Content Summary: 12I layout rules

Box 143, Folder 5
Box 143, Folder 5, ICE Project Number 11682
ICE Folder Name: RIFA, SPANGA, SWEDEN/ CONULTING SERV. YIELD IMPROVEMENT, June 18, 1980
Content Summary: original artwork/figures (test masks)

Box 143, Folder 6
Box 143, Folder 6, ICE Project Number 11796

ICE Folder Name: SPERRY UNIVAC, Oct 03, 1980
Content Summary: engineering services to design microwave micro circuit fabrication process

Box 143, Folder 7
Box 143, Folder 7, ICE Project Number 11800
ICE Folder Name: MONSANTO, WAFER FAB. MODELING, Aug 15, 1980

Box 143, Folder 8
Box 143, Folder 8, ICE Project Number 11800
ICE Folder Name: MONSANTO, WAFER FAB. MODELING, Aug 15, 1980
Content Summary: rept. HMOS process model dtd Jan. 1981

Box 143, Folder 9
Box 143, Folder 9, ICE Project Number 11800
ICE Folder Name: MONSANTO, WAFER FAB. MODELING, Aug 15, 1980
Content Summary: rept. HMOS process model, preliminary material for SWPTIII DTD. July 1981

Box 143, Folder 10
Box 143, Folder 10, ICE Project Number 11800
ICE Folder Name: MONSANTO, WAFER FAB. MODELING, Aug 15, 1980
Content Summary: rept. Silicon gate CMOS process model DTD. June 1981

Box 143, Folder 11
Box 143, Folder 11, ICE Project Number 11800
ICE Folder Name: MONSANTO, WAFER FAB. MODELING, Aug 15, 1980
Content Summary: rept. Bipolar Schottky t2l process model master copy DTD Feb. 1981 (11800)

Box 143, Folder 12
Box 143, Folder 12, ICE Project Number 11803
ICE Folder Name: DIGITAL EQUIPMENT, Oct 20, 1980
Content Summary: equipment lists & layouts

Box 144, Folder 1
Box 144, Folder 1, ICE Project Number 11875
ICE Folder Name: NAVAL OCEAN SYSTEM CENTER (NOSC), April 02, 1981
Content Summary: IC device technology & application of IC (for cocom)

Box 144, Folder 2
Box 144, Folder 2, ICE Project Number 11875
ICE Folder Name: NAVAL OCEAN SYSTEM CENTER (NOSC), April 02, 1981
Content Summary: IC device technology & application of IC (for cocom) includes wet & dry chem processing, ion & reactive ion milling, most high technology equipment

Box 144, Folder 3
Box 144, Folder 3, ICE Project Number 11884
ICE Folder Name: CONSULTING - SOLITRON, RIVIERA BEACH, FL, Feb 24, 1981

Box 144, Folder 4
Box 144, Folder 4, ICE Project Number 11886
ICE Folder Name: COORS PORCELAIN, undated

Box 144, Folder 5
Box 144, Folder 5, ICE Project Number 12648
ICE Folder Name: AERORSPACE CORPORATION EL SEGUNDO, CALIF., Feb 21, 1980
Content Summary: class "s" market survey & analysis -j.c. process technologies ie C-MOS, bipolar, H-MOS, etc -transistors,fets, diodes mil-m-38510 mil-std-19500 mission assurance conf los angelos, 28 April-2 May 1980

Box 144, Folder 6
Box 144, Folder 6, ICE Project Number 12673
ICE Folder Name: WESTERN DIGITAL, July 09,1980
Content Summary: DOD programs Ada and Nebula mini & micro computers

Box 144, Folder 7
Box 144, Folder 7, ICE Project Number 13604
ICE Folder Name: CARDIAC PACEMAKERS INC., Dec 18, 1979
Content Summary: hybrid wire bond pull tests dpa's

Box 144, Folder 8
Box 144, Folder 8, ICE Project Number 13683
ICE Folder Name: TRW OPTRON COMPETETIVE EVALUATION ON DEVICE TYPES, May 27, 1980
Content Summary: moc 3030, 4360 & Hall effect report: sectioning analysis to deteriorate diffusion dept

Box 145, Folder 1
Box 145, Folder 1, ICE Project Number 13880
ICE Folder Name: SMC MICROSYSTEMS CORP, Feb 26, 1981
Content Summary: report, proc. charact. of IMS 1400-55 16k SRAM INMOS mfg, original fig. 5 drawings topology and cross section of NEC pd41gd (date code 822)

Box 145, Folder 2
Box 145, Folder 2, ICE Project Number 13880

ICE Folder Name: SMC MICROSYSTEMS CORP, Feb 26, 1981
Content Summary: anal. of IMS-1400-55 16k SRAM (ajd)

Box 145, Folder 3
Box 145, Folder 3, ICE Project Number 13880

ICE Folder Name: SMC MICROSYSTEMS CORP, Feb 26, 1981
Content Summary: chip bias generator circuit of IMS 1400-55 16k SRAM INMOS mfg.

Box 145, Folder 4
Box 145, Folder 4, ICE Project Number 13885

ICE Folder Name: RAYMOND ENGINEERING, Feb 11, 1981
Content Summary: failure analysis of RCA 5114 static RAM sample

Box 145, Folder 5
Box 145, Folder 5, ICE Project Number 14652

ICE Folder Name: DEC, July, 1980
Content Summary: site location analysis for an LSI facility

Box 145, Folder 6
Box 145, Folder 6, ICE Project Number 14652

ICE Folder Name: DEC (HUDSON, MA), March11, 1980
Content Summary: LSI mfg, facility seminar (9/22-9/26)

Box 145, Folder 7
Box 145, Folder 7, ICE Project Number 14653

ICE Folder Name: FAILURE AVOIDANCE OCT. 14-15, 1980 SAN DIEDO, CAL.(MRK), Sept 30, 1980
Content Summary: (of MOS devices)

Box 145, Folder 8
Box 145, Folder 8, ICE Project Number 14654

Box 145, Folder 9
Box 145, Folder 9, ICE Project Number 14655
ICE Folder Name: CUSTON LSI- IMPLEMENTATION SEMINAR PHONIXM ARIZ, 12/4-5/1980, Nov 17, 1980

Box 145, Folder 10
Box 145, Folder 10, ICE Project Number 14656
ICE Folder Name: REPORT "LSI DESIGN USING CAD", Sept 24, 1980
Content Summary: (file- implementation, Oct. 16-17, 1980)

Box 145, Folder 11

ICE Folder Name: MID-TERM STATUS - PALO ALTO AUG. 26, 1980, May 05, 1980
Content Summary: seminar, master copy

Box 146, Folder 1

ICE Folder Name: MID-TERM STATUS- ARLINGTON, VA SEPT. 09, 1980, Feb 02, 1980
Content Summary: application of high-technology microelectronic devices to military/aerospace systems (a review of IC technology)

Box 146, Folder 2

ICE Folder Name: MID-TERM STATUS- ARLINGTON, VA SEPT. 09, 1981, Feb 02, 1980
Content Summary: application of high-technology microelectronic devices to military/aerospace systems (a review of IC technology) 3 copies (1 draft) of ICE Corp. Review of the VHSIC program for dept. of defense military/aerospace IC revision c

Box 146, Folder 3

ICE Folder Name: HARRIS SEMICONDUCTOR, April 14, 1980
Content Summary: IC processing u of a

Box 146, Folder 4

ICE Folder Name: BASIC TECHNOLOGY SEMINAR, April 08, 1980
Content Summary: Arlington, VA. Sept. 03, 1980

Box 146, Folder 5

ICE Folder Name: SUMITOMO ELECTRIC, Dec 17, 1979
Content Summary: integrated circuit design training

Box 146, Folder 6

ICE Folder Name: WESTINGHOUSE (MRP), April 17, 1980
Content Summary: in house IC failure analysis seminar Baltimore, June 16 & 17, 1980.
Box 146, Folder 7  Box 146, Folder 7, ICE Project Number 14797

ICE Folder Name: APPLICON INC., Sept 04, 1980
Content Summary: MOS IC design seminar

Box 146, Folder 8  Box 146, Folder 8, ICE Project Number 14881

ICE Folder Name: EFFECTIVE MGMT OF CAD SYSTEM, April 13, 1981
Content Summary: seminar 11/15,16/81 Scottsdale, Ariz.

Box 146, Folder 9  Box 146, Folder 9, ICE Project Number 14882

ICE Folder Name: NEW IC PRODUCT TESTING SEMINAR 11/81, Mar 10, 1981
Content Summary: cancelled

Box 146, Folder 10  Box 146, Folder 10, ICE Project Number 14883

ICE Folder Name: GOULD, INC SEMINAR - 4/02/81, ROLLING MEADOWS IL, Feb 02, 1981
Content Summary: strategic impact of VSLI semicond. tech. seminar

Box 146, Folder 11  Box 146, Folder 11, ICE Project Number 15664

ICE Folder Name: DIGITAL EQUIP. CORP.-TRAINING CENTER, May 01, 1980
Content Summary: design training program-oc design, layouts & tracing.

Box 146, Folder 12  ICE Project Number 15876

ICE Folder Name: SCIENTIFIC CALCULATIONS INC, Jan 23, 1981
Content Summary: master copy CAD system addresses IC design

Box 147  10085 Review of Microelectronics Newsletters

Box 147  10332 IC Application and management Seminar, Los Angeles, CA

Box 147  10333 Failure Analysis Seminar, Huntsville, AL

Box 147  10334 Failure Analysis Seminar, Phoenix, AZ

Box 147  10335 IC Application for Management Seminar, Chicago, IL

Box 147  10336 M.P. for Management, Phoenix, AZ
Box 147 10337 Failure Analysis Seminar, San Francisco, CA
Box 147 10339 IC Tech Seminar, Phoenix, AZ
Box 147 10340 Failure Analysis Seminar, Los Angeles, CA
Box 147 10341 Status Seminar, Los Angeles, CA
Box 147 10342 Xerox
Box 147 10343 Standard Micro SM Microsytems Corp.
Box 147 10344 Memorex
Box 148 10345 Electronic beam Microfabrication
Box 148 10346 Silicon General Circuit Design
Box 148 10347 OKI Electric Industry
Box 148 10349 General Electric
Box 148 10350 Standard Micro-MOSTEK
Box 148 10351 Standard Micro-MOSTEK
Box 148 10352 Cherry Semiconductor
Box 148 10354 Tyco
Box 148 10355 ITT
Box 148 10356 Military Marketing Notebook
Box 148 10357 Decapsulation & Photographing Calculator Chips
Box 148 10358 IVAC Failure Analysis
Box 148 10359 Sperry UNIVAC Icecap Computer Program
Box 148 10360 IBM VLSI Technology
Box 148 10361 GTE-Sylvania Seminar
Box 149 10362 EMP Electric Worst Case Analysis
Box 149 10363 ITT Facility Planning
Box 149 10364 ITT Fiber Optics Consulting
Box 149 10365 Cardia Pacemaker CMOS Design
Box 149 10366 Hughes Aircraft
Box 149 10368 IBM Honorarium
Box 149 10369 Honeywell
Box 149 10371 Sundstrand Data Control
Box 150 10372 Hewlett-Packard
Box 150 10373 Medtronic Inc.
Box 150 10374 Honeywell
Box 150 10375 Silicon Wafer Processing
Box 151 10375 Silicon Wafer Processing
Box 151 10376 ITT
Box 151 10378 Honeywell
Box 151 10379 USAF-AFSC Roma Air Development Center
Box 152 10379 USAF-AFSC Roma Air Development Center
Box 152 10380 Control Data Corp.
Box 152 10381 Anaconda
Box 152 10382 General Motors
Box 152 10384 Fujitsu
Box 152
10385 General Electric

Box 152
10393 Failure Analysis Seminar, Sanat Clara, CA

Box 152
10394 Implementation Seminar, Chicago, IL

Box 152
10395 Military Failure Analysis, Los Angeles, Ca

Box 152
10396 Implementation of IC Technology, Hawthorne, CA

Box 152
10397 Failure Analysis, New York

Box 152
10398 Military Failure Seminar, San Jose, CA

Box 152
10399 Implementation Seminar

Box 153
10400 Wafer Fabrication Semiconductor Production Equipment

Box 153
10401 Standard Microsystems

Box 153
10402 3-M Company

Box 153
10403 Plessey Multi-layer Metal

Box 153
10404 IBM

Box 153
10405 GE Information Systems

Box 153
10438 IVAC Corp.

Box 153
10439 System Development Corp.

Box 153
10442 Dr. Wirthschafter (Meditimer)

Box 154
10443 Paine Weber

Box 154
10444 Western Electric

Box 154
10448 GTE Sylvania

Box 154
10449 Electronic Warfare

Box 154
10450 SMC Microsystems Corp
Box 154  10451 GE Valley
Box 154  10452 General Dynamics
Box 154  10480 Hewlett-Packard
Box 154  10488 Cherry Semiconductor Corp.
Box 154  10502 Naval Avionics Center
Box 154  10503 Resistor Design
Box 154  10542 Wirschafter (Medicaion Timer)
Box 154  10543 Honeywell
Box 154  10544 Pertec Computer Failure Analysis
Box 154  10545 GTE
Box 154  10546 General Electric
Box 155  10606 General Signal Corp.
Box 155  10609 Stromberg Carlson
Box 155  10620 Monsanto Corp.
Box 155  10627 Ford Aerospace and Communications Corp.
Box 155  10629 European Seminar 1980
Box 155  10630 Lockheed Electronics
Box 155  10640 Bendix Corporation
Box 155  10644 Air Products and Chemicals, Inc.
Box 155  10690 Xerox
Box 155  10696 Ford Aerospace
Box 155 10697 Idanta
Box 155 10709 Paris Seminars
Box 155 10720 Sumitamo
Box 155 10721 Medtronic
Box 155 10725 Zenith Radio Corp.
Box 156 10727 Monsanto
Box 156 10729 Xerox Development Corp.
Box 156 10739 Gould Inc.
Box 156 10750 Facility Guide Update
Box 156 10751 Silicon Wafer Processing
Box 156 10753 CMOS Design Training
Box 156 10770 IBM
Box 156 10773 Xerox Corp.
Box 156 10788 Varian
Box 156 10846 Optimetrix Corp.
Box 156 10854 Bendix Corp.
Box 157 10855 Digital Equipment Corp
Box 157 10858 Raytheon
Box 157 10863 GTE
Box 157 10899 Western Digital Retainer
Box 157 10906 Indy
Box 157 10915 Integrated Device Technology
<table>
<thead>
<tr>
<th>Box 157</th>
<th>10920 Lear Siegler</th>
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<tbody>
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<td>Box 157</td>
<td>10928 Honeywell</td>
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<td>11611 GE Microelectronics Center</td>
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<td>11622 Alliance Manufacturing Co.</td>
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<td>11623 Westinghouse Packaging Consulting</td>
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<td>Box 158</td>
<td>11625 Lear Siegler Comparative Study</td>
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<td>11627 Ford Aerospace Consulting</td>
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Box 159  11736 General Electric
Box 159  11737 General Electric
Box 159  11743 Research Triangle Institute
Box 159  11744 Maguire/Sperry Products
Box 159  11745 Ford Aerospace Communications Corp.
Box 159  11762 Ehrlich Rominger
Box 159  11768 Cherry Semiconductor
Box 159  11769 Jonathan Wirtschafter
Box 159  11779 RIFA
Box 159  10781 GTE
Box 159  10782 Multiclient Study-IC Packaging
Box 160  10782 Multiclient Study-IC Packaging
Box 160  11788 Varian Solar Cell
Box 160  11789 Sumitomo Electric Facilities
Box 160  11790 Xerox Consulting
Box 160  11791 RIFA
Box 160  11792 GTE
Box 160  11794 World Bank
Box 160  11811 Herman Miller
Box 160  11824 General Electric assembly and testing facility
Box 160  11835 Digital Equipment Corp.
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<td>11934 Electronic Packaging Strategies</td>
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Box 163  12742 Shugart
Box 163  12752 Signetics
Box 163  12753 Naval Avionics Center
Box 163  12759 California Devices Inc.
Box 163  12760 California Devices Inc
Box 163  12761 California Devices Inc
Box 163  12771 NASA
Box 163  12774 General Dynamics
Box 163  12775 Naval Avionics Center
Box 163  12836 Comsat General Telesystems
Box 163  12841 Naval Avionics Center
Box 164  13608 Standard Microsystems Corp.
Box 164  13641 General Automation
Box 164  13691 Harris Corp.
Box 164  13726 Motorola
Box 164  13723 Harris Corp.
Box 164  13777 Motorola
Box 164  13806 Burroughs
Box 164  13825 Motorola
Box 164  13834 Harris Corp.
| Box 164 | 13839 Harris Corp. |
| Box 164 | 13859 Microwave Semiconductor Corp. |
| Box 164 | 13889 Motorola |
| Box 164 | 13898 Cherry Electrical Products |
| Box 164 | 13929 ION Research |
| Box 164 | 13940 Ford Aerospace |
| Box 164 | 13942 TRW |
| Box 164 | 13949 Sperry Flight Systems |
| Box 165 | 14610 Medtronics |
| Box 165 | 14628 Fairchild Semiconductor |
| Box 165 | 14631 Digital Equipment Corp. |
| Box 165 | 14632 Gould Inc. |
| Box 165 | 14637 Sumitomo Electric |
| Box 165 | 14645 Gould Inc. |
| Box 165 | 14702 Basic Tech Seminar, Palo Alto, CA |
| Box 165 | 14704 Basic Tech Seminar, Jamaica, NY |
| Box 165 | 14705 Status 1987 |
| Box 165 | 14706 Failure Analysis Seminar, Scottsdale, AZ |
| Box 165 | 14708 Status Europa 1987 |
| Box 165 | 14710 Failure Analysis Seminar, Palo Alto, CA |
| Box 165 | 14711 Implement Seminar, Palo Alto, CA |
Box 165  14712 Basic Technology Seminar, Palo Alto, CA
Box 165  14713 Mid-term Status, Palo Alto, CA
Box 165  14714 Basic Technology Seminar, Arlington
Box 165  14717 Custom LSI Implementation Seminar, Boston, MA
Box 165  14718 Failure Avoidance Seminar
Box 165  14719 Implementation Seminar, Scottsdale, AZ
Box 165  14754 Failure Analysis of Gate Array
Box 165  14755 Fisher Price Toys
Box 165  14757 Honeywell
Box 165  14767 National Cash Register
Box 166  14767 National Cash Register
Box 166  14778 Xerox
Box 166  14813 MOS Digital Design Seminar
Box 166  14814 Bipolar Lunar Design Seminar
Box 166  14815 MOS Digital Design Seminar
Box 166  14816 Bipolar Lunar Design Seminar
Box 166  14818 Gould Inc.
Box 166  14822 Gould
Box 166  14838 Gate Array Design Seminar
Box 166  14842 technical Training for IC Industry
Box 166  14845 Gould
Box 166  14848 GTE Products Corp.
Box 166  14849 GaAs Seminar, Palo Alto, CA
Box 166  14871 ICE Safety Guideline
Box 166  14872 Gate Array Seminar, Scottsdale, AZ
Box 166  14887 IP Sharp Associates
Box 166  14892 EOCOM
Box 166  14893 LSI Tech Seminar, London
Box 166  14894 Bank of America
Box 166  14897 Gould, Inc.
Box 166  14924 IC Fabrication, Scottsdale, AZ
Box 166  14925 IC Design Implementation, Scottsdale, AZ
Box 166  14926 IC fabrication, Boston
Box 166  14927 IC Design Implementation, Boston
Box 167  14930 KLA Instruments
Box 167  15738 MOS Design Notes
Box 167  15753 NAC Seminar
Box 167  15780 Flocating Point System
Box 167  15809 NAC
Box 167  15812 CMOS Metal Gate Standard Cell Library
Box 167  15817 Applicon
Box 167  15823 Siemen's
Box 167  15837 National CSS Inc.
<table>
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<td>10409 Hooneywell/Minneapolis</td>
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<td>10411 Eastman Kodak</td>
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<td>10412 King Radio</td>
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<td>10413 GTE Lenkurt Evaluation of Nanon</td>
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Box 171 10414 Environmental Research of Michigan
Box 171 10415 GE one day seminar
Box 171 10416 Zenith Corporation
Box 171 10417 ITT Courier
Box 171 10418 Eastman-Kodak/Bipolar Contact Problem
Box 171 10420 Rosemount, Inc.
Box 172 10421 G.S. Gruman/Cowen
Box 172 10422 Rixon Facility Study
Box 172 10423 Eastman Kodak one day seminar
Box 172 10424 Xerox Development Corp.
Box 172 10426 IBM component study
Box 172 10428 Burroughs computer mode logic
Box 172 10429 ITT Courier
Box 172 10430 World Bank
Box 173 10431 IBM, Rochester, NY
Box 173 10432 ITT Florida presentation
Box 173 10433 Xerox Corporation
Box 173 10434 IBM Florida presentation
Box 173 10435 ITT Cape Canaveral, FL
Box 173 10436 SRI special report
Box 173 10437 Dr. Wirtschafter custom circuit design
Box 173 10530 Wacker Siltronic
Box 173 10531 General Automation, Hypack Memory failure analysis
Box 173 10534 Motorola Micarl facility
Box 173 10535 United Tech
Box 173 10536 Milton Roy Co.
Box 173 10537 IBM
Box 173 10538 Westinghouse
Box 173 10539 Siemens/Scottsdale
Box 173 10568 SMC Microsystems Corp.
Box 173 10570 General Dynamics
Box 174 10571 Arco Medical Products
Box 174 10572 Sumitomo Electric USA Inc.
Box 174 10573 General Signal Corp.
Box 174 10576 Rockwell
Box 174 10577 Honeywell Inc. Avionics Division
Box 174 10578 Signetics Corp.
Box 174 10579 ITT four hours consulting
Box 174 10580 Bob Noble construction analysis
Box 174 10581 Ehrlich --Rominger (Xerox)
Box 174 10582 Interlek Inc.
Box 174 10583 Naval Avionics Center
Box 174 10585 Hermes Electronics, LTD
Subseries 16.2: Special Reports

Box 168, Folder 1  Product Evaluation of the RCA MWS5114
Box 168, Folder 2  Introduction to Integrated Circuits
Box 168, Folder 3  INMOS Company Profile
Box 168, Folder 4  Transform/IMS Product Description
Box 168, Folder 5  Review of Rockwell's NMOS Six Process
Box 168, Folder 6  Cost Effective IC manufacturing
Box 168, Folder 7  MCC Technology Programs (draft)
Box 168, Folder 8  ICONICS, Inc. An Investment Opportunity
Box 168, Folder 9  Wang Laboratories Assembly Equipment List
Box 168, Folder 10  Microelectronics and Computer Technology Enterprises
Box 168, Folder 11  ICONICS, Inc. Business Plan
Box 168, Folder 12  Fabrication of Germanium Mesa transistors Types 2N705 and 2N499
Box 168, Folder 13  Equipment list for bipolar and MOS facility
Box 168, Folder 14  Semiconductor Reliability News
Box 168, Folder 16  MEC and Microwave Division Technical Compatibility
Box 168, Folder 17  Gallium Arsenide Solar Cell Manufacturing Cost Study
Box 168, Folder 18  Relationship of Perkin-Elmer Model 300 Scanning Projection Aligner Characteristics to 64K Dram Device Requirements
<table>
<thead>
<tr>
<th>Box 168, Folder 19</th>
<th>The Fairchild 932565 64 Pram</th>
</tr>
</thead>
<tbody>
<tr>
<td>Box 168, Folder 20</td>
<td>The Sale and Purchase of Semiconductor Know-How</td>
</tr>
<tr>
<td>Box 168, Folder 21</td>
<td>GTE Tempe Utility matrix</td>
</tr>
</tbody>
</table>

### Subseries 16.3: Trade Literature, undated

<table>
<thead>
<tr>
<th>Box 168, Folder 22</th>
<th>Angstrom Measurements</th>
</tr>
</thead>
<tbody>
<tr>
<td>Box 168, Folder 23</td>
<td>Bio-Rad</td>
</tr>
<tr>
<td>Box 168, Folder 24</td>
<td>Cambridge Instruments</td>
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<td>Florod Corp.</td>
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<td>Box 168, Folder 27</td>
<td>General Signal, Japan</td>
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<td>Box 168, Folder 28</td>
<td>Hitachi</td>
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<tr>
<td>Box 168, Folder 30</td>
<td>ITP, Inc.</td>
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<td>Nanometrics</td>
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<td>Optical Specialties, Inc.</td>
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Box 168, Folder 39  Roger K. Sherman Co.
Box 168, Folder 40  Sloan Technology Corp.
Box 168, Folder 41  Solid State Measurement Inc.
Box 168, Folder 42  Technical Instrument Co.
Box 168, Folder 43  Tracor Northern Inc.
Box 168, Folder 44  TS Products
Box 168, Folder 45  Vickers Instruments

**Subseries 16.4: Semiconductor, 1922-1976**

Box 168, Folder 46  Electron Bombarded Semiconductor Devices
Box 168, Folder 47  Atomic Photoelectron Spectroscopy, Pt. 2
Box 168, Folder 48  Construction and Operation of very simple radio receiving equipment
Box 168, Folder 49  Basic Concepts of microcomputers by Lloyd Kusak
Box 168, Folder 50  Figures 1-39
Box 168, Folder 51  Microwave Power Semiconductor Devices critical review
Box 168, Folder 52  Noise in solid state devices
Box 168, Folder 53  Electrodynamic concepts of wave interactions in thin film semiconductor shortcuts

**Subseries 16.5: Socrates, 1965-1978**

Box 169, Folder 1  Integrated Circuit Military/Aerospace Marketing and procurement Reference Manual
Box 169, Folder 2  Appendix
Box 169, Folder 3  Precision Monolithics Inc. Condensed Catalog
Box 169  Signetics Military Product Reference guide
Box 169  Advanced Micro Devices, Inc.
Box 169  Texas Instruments
Box 169  Intersil
Box 169  National Seminconductor
Box 169, Folder 4  ICE Sales Literature (binder)
Box 169, Folder 5  G.S. Grumman and Associates Periodic Reports, 1965-1967
Box 169, Folder 6  G.S. Grumman and Associates Periodic Reports, 1968
Box 169, Folder 7  G.S. Grumman and Associates Periodic Reports, 1969
Box 169, Folder 8  G.S. Grumman and Associates Periodic Reports, Project 118, 1970
Box 169, Folder 9  Integrated Circuit Engineering (Basic Technology)
Box 169, Folder 10  A State of the Art Report Integrated Circuit Technology
Box 169, Folder 11  AN ICE Report, 1968
Box 169, Folder 12  An ICE Report, 1967
Box 169, Folder 13  Consumer Products, 1966
Box 169, Folder 14  Management guide to Integrated Circuits, 1965
Box 169, Folder 15  Introducing Integrated Circuit Engineering, 1966-1967
Box 169, Folder 16  Unidynamics, Project 505
Box 169, Folder 17  Unidynamics, Project 437
Box 169, Folder 18  Unidynamics, Project 551
Box 169, Folder 19  Product Analysis General, 1966-1973
Box 175  Technology Outlining Guide (includes computer disk), 1988
Subseries 16.6: Watch Report

Box 170, Folder 1  Low price digital watch revolution
Box 170, Folder 2  Digital Watch Book Foreign Inquiries
Box 170, Folder 3  Digital Watch Notes
Box 170, Folder 4  Watch and Jewelry Fair/Intro of ICE and Digital Watch
Box 170, Folder 5  Digital Watch Revolution
Box 170, Folder 6  Semiconductor Industry Model
Box 170, Folder 7  Press and Intro on Digital Watch
Box 170, Folder 8  Digital Watch Revolution (Automated Bonding)
Box 170, Folder 9  Digital Watch Revolution (Automated Bonding Techniques)
Box 170, Folder 10  The Low Price Digital Watch Revolution (binder)
Box 170, Folder 11  LCA Watch Instructions
Box 170, Folder 12  Watch Report
Box 170, Folder 13  Watch Report
Box 170, Folder 14  Watch Report

Subseries 16.8: Product Analysis

Box 175
Series 17: Litigation, 1968 - 1971

This series contains documentation, primarily correspondence for the 1968 *Motorola vs. Fairchild* case. Motorola sued Fairchild for hiring away Motorola's top scientist, C. Lester Hogan, and eight key executives. Fairchild won the case. ICE acted as an independent research firm and provided expert witness for Fairchild's defense. This series also includes files about Project Socrates.

Box 1 (Series 17), Folder 1
ICE Project Number 10912
ICE Folder Name: Raytheon v. Intersil, 11/01/1968
Contents: Correspondence 1975/1976
Summary: arsenic bomb

Box 1 (Series 17), Folder 2
ICE Project Number 10912
ICE Folder Name: Raytheon v. Intersil, 11/01/1968
Contents: Attorney Work Product
Summary: review of TTL Silicon Wafer Process Technology - Raytheon v. Intersil

Box 1 (Series 17), Folder 3
ICE Project Number 10912
ICE Folder Name: Raytheon v. Intersil, 11/01/1968
Contents: Attorney Work Product
Summary: review of semiconductor instrumentation

Box 1 (Series 17), Folder 4
ICE Project Number 10912
ICE Folder Name: Raytheon v. Intersil, 11/01/1968

Box 1 (Series 17), Folder 5
ICE Project Number 10912
ICE Folder Name: Raytheon v. Intersil, 11/01/1968
Contents: Economics
Summary: process, products, cost & time

Box 1 (Series 17), Folder 6
ICE Project Number 10912
ICE Folder Name: Raytheon v. Intersil, 11/01/1968
Contents: Attorney Work Product
Summary: arsenic diffusion -bomb-

Box 1 (Series 17), Folder 7
ICE Project Number 10912
ICE Folder Name: Raytheon v. Intersil, 11/01/1968
Contents: Correspondence
Summary: gold -bomb-
<table>
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<tr>
<th>Box 1 (Series 17), Folder 8</th>
<th>ICE Project Number 10912</th>
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<td>ICE Folder Name: Raytheon v. Intersil, 11/01/1968</td>
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<td>Contents: Newspaper Reports, Advertising, etc.</td>
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<tr>
<td>ICE Folder Name: Raytheon v. Intersil (file 12), 11/01/1968</td>
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<tr>
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<tr>
<td>Contents: Raytheon Sixth Interrogatories to Defendants</td>
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<tr>
<td>Contents: Exhibit Items &amp; Research Material</td>
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<tr>
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<td>ICE Project Number 10912</td>
</tr>
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</tr>
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<td>ICE Project Number 10912</td>
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<tr>
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<td></td>
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<tr>
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<tr>
<td>Summary: history-development-production Raytheon v. Intersil</td>
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</tr>
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<td>ICE Project Number 10912</td>
</tr>
<tr>
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</tr>
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<td></td>
</tr>
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Box 3 (Series 17), Folder 3
ICE Project Number 10912
ICE Folder Name: Raytheon v. Intersil, 11/01/1968
Contents: Vol. IV 6th Interrog. A) Response to Raytheon's 6th to Defendants B) Reverse Engineering
Summary: trial book index

Box 3 (Series 17), Folder 4
ICE Project Number 10912
ICE Folder Name: Raytheon v. Intersil, 11/01/1968

Box 3 (Series 17), Folder 5a
ICE Project Number 10912
ICE Folder Name: Raytheon v. Intersil, 11/01/1968

Box 3 (Series 17), Folder 5b
ICE Project Number 10912
ICE Folder Name: Raytheon v. Intersil, 11/01/1968

Box 4 (Series 17), Folder 1
ICE Project Number 10912
ICE Folder Name: Raytheon v. Intersil, 11/01/1968
Contents: Orig. Corresp. From Attorney(s)
Summary: Raytheon v. Intersil

Box 4 (Series 17), Folder 2
ICE Project Number 10912
ICE Folder Name: Raytheon v. Intersil, 11/01/1968
Contents: Secrecy Agreement for Raytheon v. Intersil
Summary: with orig. notes

Box 4 (Series 17), Folder 3
ICE Project Number 10912
ICE Folder Name: Raytheon v. Intersil, 11/01/1968
Contents: Secrecy Agreement for Raytheon v. Intersil
Summary: with orig. notes

Box 4 (Series 17), Folder 4
ICE Project Number 10912
ICE Folder Name: Raytheon v. Intersil, 11/01/1968
Contents: 1974 Correspondence
Summary: proof of Raytheon's knowledge & skill

Box 4 (Series 17), Folder 5
ICE Project Number 10147
ICE Folder Name: Medtronic, 05/27/1976
Contents: Heart Pacemaker Correspondence Log & Clippings w/ ICE Arguments
| Box 4 (Series 17), Folder 6 | IC Project Number 10147  
ICE Folder Name: Medtronic, 05/27/1976  
Contents: Heart Pacer Xyrel Technology Analysis  
Summary: original |
|---|---|
| Box 4 (Series 17), Folder 7 | IC Project Number 10161  
ICE Folder Name: Medtronic, 11/10/1976  
Contents: Heart Pacemaker Report 1,2,3&4 Medtronics (original)  
Summary: Xytron rate - adjustable reprogramming problem  
ICE Folder Name: Medtronic, 11/10/1976  
Contents: Heart Pacemaker Analysis & Correspondence w/ clippings |
| Box 5 (Series 17), Folder 1 | IC Project Number 10161 |
| Box 5 (Series 17), Folder 2 | IC Project Number 10161  
ICE Folder Name: Medtronic, 11/10/1976  
Contents: Heart Pacer Correspondence/Photographs & Clippings  
Summary: Medtronic |
| Box 5 (Series 17), Folder 3 | IC Project Number 10161  
ICE Folder Name: Medtronic, 11/10/1976  
Contents: Reset vs Static Charge  
Summary: Medtronic (failure analysis #5954) |
| Box 5 (Series 17), Folder 4 | IC Project Number 10161  
Image(s)  
ICE Folder Name: Medtronic, 11/10/1976  
Contents: 1976 Heart Pacer Correspondence-Research-Marketing Ads |
| Box 5 (Series 17), Folder 5 | IC Project Number 10164  
ICE Folder Name: Western Electric v. Stuart Warner, 05/11/1977  
Contents: Western's Memorandum After Trial 1969 to 1975  
Summary: damages, fees, enforceability |
| Box 5 (Series 17), Folder 6 | IC Project Number 10164  
ICE Folder Name: Western Electric v. Stuart Warner, 05/11/1977 |
Contents: C-MOS Process Control Specifications Western Elec. V. Stewart Warner
Summary: coded S000051 initials 082880

Box 5 (Series 17), Folder 7
ICE Project Number 10164
ICE Folder Name: Western Electric v. Stuart Warner, 05/11/1977
Contents: Western's Memorandum Before Trial
Summary: damages, fees, enforceability

Box 5 (Series 17), Folder 8
ICE Project Number 10164
ICE Folder Name: Western Electric v. Stuart Warner, 05/11/1977
Contents: Proposed Questions & Answers Professor John E. Tilton

Box 5 (Series 17), Folder 8
ICE Project Number 10164
ICE Folder Name: Western Electric v. Stuart Warner, 05/11/1977
Contents: Stewart Warner Microcircuits Cleaning Products

Box 5 (Series 17), Folder 9
ICE Project Number 10164
ICE Folder Name: Western Electric v. Stuart Warner, 05/11/1977
Contents: Final Pretrial Order Re: Patent Infringement, Enforceability & Damages

Box 6 (Series 17), Folder 1
ICE Project Number 10164
ICE Folder Name: Western Electric v. Stuart Warner, 05/11/1977

Box 6 (Series 17), Folder 2
ICE Project Number 10164
ICE Folder Name: Western Electric v. Stuart Warner, 05/11/1977
Contents: Bipolar Process Control Specifications

Box 6 (Series 17), Folder 3
ICE Project Number 10164
ICE Folder Name: Western Electric v. Stuart Warner, 05/11/1977
Contents: Memos & Correspondence
<table>
<thead>
<tr>
<th>Box (Series 17), Folder</th>
<th>ICE Project Number</th>
<th>ICE Folder Name: Western Electric v. Stuart Warner, 05/11/1977 Contents: Stewart-Warner's Brief After Trial of the Patent Misuse Issue &amp; Other Remaining Issues</th>
</tr>
</thead>
<tbody>
<tr>
<td>Box 6 (Series 17), Folder 4</td>
<td>10164</td>
<td></td>
</tr>
<tr>
<td>Box 6 (Series 17), Folder 5</td>
<td>10177</td>
<td>ICE Folder Name: AMI/Garret GMCC Suit, 01/08/1970 Contents: Legal Exhibits</td>
</tr>
<tr>
<td>Box 6 (Series 17), Folder 6</td>
<td>10077</td>
<td>ICE Folder Name: AMI/Garret GMCC Suit, 12/31/1975 Contents: Memos &amp; Clippings on Outcome</td>
</tr>
<tr>
<td>Box 6 (Series 17), Folder 7</td>
<td>10077</td>
<td>ICE Folder Name: AMI/Garret GMCC Suit, 12/31/1975 Contents: Licence Agreement</td>
</tr>
<tr>
<td>Box 6 (Series 17), Folder 8</td>
<td>10077</td>
<td>ICE Folder Name: AMI/Garret GMCC Suit, 12/31/1975 Contents: Copied News Clippings</td>
</tr>
<tr>
<td>Box 6 (Series 17), Folder 9</td>
<td>10077</td>
<td>ICE Folder Name: AMI/Garret GMCC Suit, 12/31/1975 Contents: Legal Correspondence</td>
</tr>
<tr>
<td>Box 6 (Series 17), Folder 10</td>
<td>10077</td>
<td>ICE Folder Name: AMI/Garret GMCC Suit, 12/31/1975 Contents: Correspondence</td>
</tr>
<tr>
<td>Box 6 (Series 17), Folder 11</td>
<td>10077</td>
<td>ICE Folder Name: AMI/Garret GMCC Suit, 12/31/1975</td>
</tr>
</tbody>
</table>
Contents: Product Evaluations

Box 7 (Series 17), Folder 1

ICE Project Number 10077

ICE Folder Name: AMI v. Garrett, 12/31/1975
Contents: Garret's Answers to 4th Interrogatories

Box 7 (Series 17), Folder 2

ICE Project Number 10077

ICE Folder Name: AMI v. Garrett, 12/31/1975
Contents: Electronics Newsletter and Supporting Documents

Box 7 (Series 17), Folder 3

ICE Project Number 10109

ICE Folder Name: Rockwell, 04/23/1976
Contents: Misc. Notes and Clippings

Box 7 (Series 17), Folder 4

ICE Project Number 10115

ICE Folder Name: Coin Acceptors, 05/18/1976
Contents: Correspondence

Box 7 (Series 17), Folder 5

ICE Project Number 10116

ICE Folder Name: Coin Acceptors, 08/13/1975
Contents: ICE Contracts

Box 7 (Series 17), Folder 6

ICE Project Number 10116

ICE Folder Name: Coin Acceptors, 08/13/1975
Contents: Work Orders, Phone Logs, & Supporting Material

Box 7 (Series 17), Folder 7

ICE Project Number 10116

ICE Folder Name: Coin Acceptors, 08/13/1975
Contents: Proposal/Quotations #1797 Info.

Box 7 (Series 17), Folder 8

ICE Project Number 10116

ICE Folder Name: Coin Acceptors, 08/13/1975
Contents: Agreement Drafts & Copies

Box 7 (Series 17), Folder 9
ICE Project Number 10116
ICE Folder Name: Coin Acceptors, 08/13/1975
Contents: Photographs

Box 8 (Series 17), Folder 1
ICE Project Number 10116
ICE Folder Name: Coin Acceptors, 08/13/1975
Contents: Electronic Analysis of the NRI Model 08-62-007 L-E-D Coin Changer

Box 8 (Series 17), Folder 2
ICE Project Number 10116
ICE Folder Name: Coin Acceptors, 08/13/1975
Contents: Bound - Electronic Analysis of the NRI Model 08-62-007 L-E-D Coin Changer

Box 8 (Series 17), Folder 3
ICE Project Number 10119
ICE Folder Name: Nortec v. AMS, 05/25/1976
Contents: Technology Associates Summary Sheets
Summary: handwritten

Box 8 (Series 17), Folder 4
ICE Project Number 10119
ICE Folder Name: Nortec v. AMS, 05/25/1976
Contents: News Articles about AMS Settlement

Box 8 (Series 17), Folder 5
ICE Project Number 10119
ICE Folder Name: Nortec v. AMS, 05/25/1976
Contents: Glen Madland’s Misc. Correspondence

Box 8 (Series 17), Folder 6
ICE Project Number 10119
ICE Folder Name: Nortec v. AMS, 05/25/1976
Contents: Trial Transcripts
Box 8 (Series 17), Folder 7
ICE Project Number 10119
ICE Folder Name: Nortec v. AMS, 05/25/1976
Contents: Copies of AMS Specification Reports

Box 8 (Series 17), Folder 8
ICE Project Number 10119
ICE Folder Name: Nortec v. AMS, 05/25/1976
Contents: Summary of Literature Search & Original Handwritten Notes

Box 9 (Series 17), Folder 1
ICE Project Number 10119
ICE Folder Name: Nortec v. AMS, 05/25/1976
Contents: Technology Associates Product Summary Sheets

Box 9 (Series 17), Folder 2
ICE Project Number 10119
ICE Folder Name: Nortec v. AMS, 05/25/1976
Contents: McCrone & ICE Summary Reports on Ion Microprobe

Box 9 (Series 17), Folder 3
ICE Project Number 10206
ICE Folder Name: General Instrument v. McDonnell Douglas, 08/04/1976
Contents: Plaintiff’s Answers to 1st Set of Interrogatories

Box 9 (Series 17), Folder 4
ICE Project Number 10119
ICE Folder Name: Nortec v. AMS, 05/25/1976
Contents: ICE Photo-ready Report on Pinhole Test

Box 9 (Series 17), Folder 5
ICE Project Number 10119
ICE Folder Name: Nortec v. AMS, 05/25/1976
Contents: Photographs of Contaminaton on Wafer from McCrone Associates

Box 9 (Series 17), Folder 6
ICE Project Number 10119
ICE Folder Name: Nortec v. AMS, 05/25/1976
Contents: Analysis of the Technology Associates Report & O.D. Trapp Testimony
Summary: preliminary report

Box 9 (Series 17), Folder 7a
ICE Project Number 10164
ICE Folder Name: Western Electric v. Stuart Warner, 05/11/1977
Contents: Glen Madland's Correspondence & Phone Logs for the Case

Box 9 (Series 17), Folder 7b
ICE Project Number 10164
ICE Folder Name: Western Electric v. Stuart Warner, 05/11/1977
Contents: Glen Madland's Correspondence & Phone Logs for the Case

Box 10 (Series 17), Folder 1
ICE Project Number 10178
ICE Folder Name: Time Computer v. Fairchild, 01/17/1977
Contents: Robert Le Blanc Correspondence

Box 10 (Series 17), Folder 2
ICE Project Number 10178
ICE Folder Name: Time Computer v. Fairchild, 01/17/1977
Contents: Color Magnified View of Circuit C-232-1

Box 10 (Series 17), Folder 3
ICE Project Number 10187
ICE Folder Name: Harry Weiss, 01/27/1977
Contents: Seminar Development

Box 10 (Series 17), Folder 4
ICE Project Number 10206
ICE Folder Name: NCR v. McDonnell Douglas, 08/04/1976
Contents: Exhibit Photograph

Box 10 (Series 17), Folder 5
ICE Project Number 10206
ICE Folder Name: NCR v. McDonnell Douglas, 08/04/1976
Contents: Analysis of Consulting Services by ICE to FROMHOLT of Morrison Forester Law Firm

Box 10 (Series 17), Folder 6
ICE Project Number 10206
ICE Folder Name: NCR v. McDonnell Douglas, 08/04/1976
Contents: Protective Order RE: Confidential Information

Box 10 (Series 17), Folder 7
ICE Project Number 10206

ICE Folder Name: NCR v. McDonnell Douglas, 08/04/1976
Contents: 6 Photographs NCR 2401

Box 10 (Series 17), Folder 8
ICE Project Number 10206

ICE Folder Name: NCR v. McDonnell Douglas, 08/04/1976
Contents: Nitron's 3400 & 2401 Device Info.

Box 10 (Series 17), Folder 9
ICE Project Number 10206

ICE Folder Name: NCR v. McDonnell Douglas, 08/04/1976
Contents: Reference File

Box 10 (Series 17), Folder 10
ICE Project Number 10206

ICE Folder Name: NCR v. McDonnell Douglas, 08/04/1976
Contents: Index to Depositions, Docs. & Declarations

Box 10 (Series 17), Folder 11
ICE Project Number 10206

ICE Folder Name: NCR v. McDonnell Douglas, 08/04/1976
Contents: Trial Briefs & Memos of Defendants

Box 10 (Series 17), Folder 12
ICE Project Number 10206

ICE Folder Name: NCR v. McDonnell Douglas, 08/04/1976
Contents: Copies of Claim Reports & Trial Transcripts

Box 10 (Series 17), Folder 13
ICE Project Number 10206

ICE Folder Name: NCR v. McDonnell Douglas, 08/04/1976
Contents: Subject Index for Deposition, Documents & Declarations

Box 10 (Series 17), Folder 14
ICE Project Number 10206
ICE Folder Name: NCR v. McDonnell Douglas, 08/04/1976
Contents: Plaintiff's Answers to Defendants First Set of Interrogatories

Box 11 (Series 17), Folder 1
ICE Project Number 10206

ICE Folder Name: NCR v. McDonnell Douglas, 08/04/1976
Contents: 200508-514 Doc. Change Request

Box 11 (Series 17), Folder 2
ICE Project Number 10206

ICE Folder Name: NCR v. McDonnell Douglas, 08/04/1976
Contents: 28523-585 Spence's Experimentation Notes

Box 11 (Series 17), Folder 3
ICE Project Number 10206

ICE Folder Name: NCR v. McDonnell Douglas, 08/04/1976
Contents: 20068-749 Spence's Notebook

Box 11 (Series 17), Folder 4
ICE Project Number 10206

ICE Folder Name: NCR v. McDonnell Douglas, 08/04/1976
Contents: 200586-607 Nitron Internal Memos

Box 11 (Series 17), Folder 5
ICE Project Number 10206

ICE Folder Name: NCR v. McDonnell Douglas, 08/04/1976
Contents: Nitron Internal Info. Continue

Box 11 (Series 17), Folder 6
ICE Project Number 10206

ICE Folder Name: NCR v. McDonnell Douglas, 08/04/1976
Contents: 200750-830 Technical Paper Abstracts

Box 11 (Series 17), Folder 7
ICE Project Number 10206

ICE Folder Name: NCR v. McDonnell Douglas, 08/04/1976
Contents: 200832-886 1975 IEEE Workshop Notes; Spence Paper on "

Box 11 (Series 17), Folder 8
ICE Project Number 10206
ICE Folder Name: NCR v. McDonnell Douglas, 08/04/1976
Contents: 200887-966 Non-Volatile Semiconductor Memory Workshop

Box 11 (Series 17), Folder 9
ICE Project Number 10206
ICE Folder Name: NCR v. McDonnell Douglas, 08/04/1976
Contents: 200967 2 Pps: "Channel Select Memory Module," "Electronic Turning System for TV Receivers"

Box 11 (Series 17), Folder 10
ICE Project Number 10206
ICE Folder Name: NCR v. McDonnell Douglas, 08/04/1976
Contents: 201000-040 Spence's Notes; Copies of IEEE Journal

Box 11 (Series 17), Folder 11
ICE Project Number 10206
ICE Folder Name: NCR v. McDonnell Douglas, 08/04/1976
Contents: 201050-183 Spence's Notebook "Nitron Reactor MNOS Memory Structure"

Box 12 (Series 17), Folder 1
ICE Project Number 10206
ICE Folder Name: NCR v. McDonnell Douglas, 08/04/1976
Contents: 200281-318 Product Specifications (1977)

Box 12 (Series 17), Folder 2
ICE Project Number 10206
ICE Folder Name: NCR v. McDonnell Douglas, 08/04/1976
Contents: 200337-506 Document Change Requests

Box 12 (Series 17), Folder 3
ICE Project Number 10206
ICE Folder Name: NCR v. McDonnell Douglas, 08/04/1976
Contents: 200337-506 continued

Box 12 (Series 17), Folder 4
ICE Project Number 10206
ICE Folder Name: NCR v. McDonnell Douglas, 08/04/1976
Contents: 20000-280 Process Specs (1977)
Box 12 (Series 17), Folder 5
ICE Project Number 10206
ICE Folder Name: NCR v. McDonnell Douglas, 08/04/1976
Contents: Index of Nitron Documents Produced to Plaintiffs
Summary: with orig. notes

Box 12 (Series 17), Folder 6
ICE Project Number 10206
ICE Folder Name: NCR v. McDonnell Douglas, 08/04/1976
Contents: Copy of Index of Nitron Documents Produced to Plaintiffs

Box 13 (Series 17), Folder 1
ICE Project Number 10206
ICE Folder Name: NCR v. Nitron, 08/04/1976
Contents: 20265-295 Wafer Tests

Box 13 (Series 17), Folder 2
ICE Project Number 10206
ICE Folder Name: NCR v. Nitron, 08/04/1976
Contents: Wendell Spence Deposition p. 1-179

Box 13 (Series 17), Folder 3
ICE Project Number 10206
ICE Folder Name: NCR v. Nitron, 08/04/1976
Contents: Wendell Spence Deposition - 180-319

Box 13 (Series 17), Folder 4
ICE Project Number 10206
ICE Folder Name: NCR v. Nitron, 08/04/1976
Contents: ICE Case Research

Box 13 (Series 17), Folder 5
ICE Project Number 10206
ICE Folder Name: NCR v. Nitron, 08/04/1976
Contents: B&W Enlargement Photo

Box 13 (Series 17), Folder 6
ICE Project Number 10206
ICE Folder Name: NCR v. Nitron, 08/04/1976
Contents: Mill's Notes

Box 13 (Series 17), Folder 7
ICE Project Number 10206
ICE Folder Name: NCR v. Nitron, 08/04/1976
Contents: Nitron Process Flow

Box 13 (Series 17), Folder 8
ICE Project Number 10206
ICE Folder Name: NCR v. Nitron, 08/04/1976
Contents: Patents

Box 13 (Series 17), Folder 9
ICE Project Number 10206
ICE Folder Name: NCR v. Nitron, 08/04/1976
Contents: Patents

Box 13 (Series 17), Folder 10
ICE Project Number 10206
ICE Folder Name: NCR v. Nitron, 08/04/1976
Contents: Products/Circuits

Box 14 (Series 17), Folder 1
ICE Project Number 10206
ICE Folder Name: NCR v. Nitron, 08/04/1976
Contents: MNOS Speed Process

Box 14 (Series 17), Folder 2
ICE Project Number 10206
ICE Folder Name: NCR v. Nitron, 08/04/1976
Contents: GI/HUD Files

Box 14 (Series 17), Folder 3
ICE Project Number 10206
ICE Folder Name: NCR v. Nitron, 08/04/1976
Contents: B&W Photographs

Box 14 (Series 17), Folder 4
ICE Project Number 10206
ICE Folder Name: NCR v. Nitron, 08/04/1976
Contents: Plaintiff's Answers to Defendants 1st Set of Interrogatories

Box 14 (Series 17), Folder 5
ICE Project Number 10206
ICE Folder Name: NCR v. Nitron, 08/04/1976
Contents: Complaint for Misappropriations of Trade Secret Information

Box 14 (Series 17), Folder 6
ICE Project Number 10206
ICE Folder Name: NCR v. Nitron, 08/04/1976
Contents: Affidavit of Richard Moorse
Summary: req, for temp. restraining order

Box 14 (Series 17), Folder 7
ICE Project Number 10206
ICE Folder Name: NCR v. Nitron, 08/04/1976
Contents: Affidavit of J.T. Cavender

Box 14 (Series 17), Folder 8
ICE Project Number 10206
ICE Folder Name: NCR v. Nitron, 08/04/1976
Contents: Application for Temp. Restraining Order & Order to Show Cause

Box 14 (Series 17), Folder 9
ICE Project Number 10206
ICE Folder Name: NCR v. Nitron, 08/04/1976
Contents: Legal Memo of Points And Authorities … Order to Show Cause

Box 14 (Series 17), Folder 10
ICE Project Number 10206
ICE Folder Name: NCR v. Nitron, 08/04/1976
Contents: Temporary Restraining Order

Box 14 (Series 17), Folder 11
ICE Project Number 10206
ICE Folder Name: NCR v. Nitron, 08/04/1976
Contents: Affidavit of James T. Kendall

Box 14 (Series 17), Folder 12
ICE Project Number 10206
ICE Folder Name: NCR v. Nitron, 08/04/1976
Contents: Legal Petitions

Box 14 (Series 17), Folder 13
ICE Project Number 10206
ICE Folder Name: NCR v. Nitron, 08/04/1976
Contents: ICE Contract

Box 14 (Series 17), Folder 14
ICE Project Number 10206
ICE Folder Name: NCR v. Nitron, 08/04/1976
Contents: B&W Camera Ready Photographs

Box 14 (Series 17), Folder 15
ICE Project Number 10206
ICE Folder Name: NCR v. Nitron, 08/04/1976
Contents: Glen Madland's Handwritten Notes

Box 14 (Series 17), Folder 16
ICE Project Number 10206
ICE Folder Name: NCR v. Nitron, 08/04/1976
Contents: Original Handwritten Notes for 10106-10107

Box 15 (Series 17), Folder 1
File Name A-1, Folder Number 1, 11/21/1968
Letter To: Glen Madland From: Jack Brown
Contents: Acknowledgment and statement concerning order imposing plaintiff's interrogatory; blank copy of order imposing confidentiality

Box 15 (Series 17)
File Name A-1, Folder Number 1, undated
Acknowledgment and statement concerning order imposing confidentiality; signed by Glen Madland

Box 15 (Series 17)
File Name A-1, Folder Number 1, 10/21/1968
Memo To: Eugene Blanchette From: William Farrow
Contents: Proposal for an advanced wafer fabrication training program

Box 15 (Series 17)
File Name A-1, Folder Number 1, 10/24/1968
Memo To: Frank Bower From: Glen Madland
Contents: Technical information for Fairchild
Memo To: Eugene Blanchette From: Glen Madland
Contents: Contains a summary of tasks that have been assigned to ICE as a result of a meeting in Phoenix (October 8&9, 1968)

Memo To: Glen Madland From: Harold Bell
Contents: Fairchild Project - work statement for updating and expanding the plastic packaging portion of integrated circuit assembly process compendium

Memo for file By: Glen Madland
Contents: Telephone call from Jack Brown - sending trade secret stipulations from Motorola, concerning expert witnesses

Cover Letter To: Jack Brown From: Glen Madland
Contents: Informing Mr. Brown about ICE expertise with integrated circuit work

Memo For File: Fairchild Project #371 By: Glen Madland and Harold Bell
Contents: A tour by Dr. Dan Rose and John Carey (both of Fairchild)

Letter To: Gene Blanchette From: William Farrow
Contents: Apology for materials arriving late

Memo For File: Fairchild vs. Motorola By: Glen Madland
Contents: Conversation with Forman Mueller, Motorola Patent Attorney

Page titled "Fairchild" containing one sentence about an upcoming meeting between Bower, Hume and Setos (Fairchild Representatives)
Call contact report By: Glen Madland

Box 15 (Series 17) File Name A-1, Folder Number 1, 09/29/1968

Contact record between Glen Madland and Roger Borovoy (Project #371)
Contents: Handwritten notes

Box 15 (Series 17) File Name A-1, Folder Number 1, 09/20/1968
Confirmation of telephone conversation To: Roger Borovoy From: Glen Madland

Box 15 (Series 17) File Name A-1, Folder Number 1, 09/19/1968

Cover letter To: William Drummond From: Glen Madland
Contents: Enclosed records pertaining to several phone conversations and letters

Box 15 (Series 17) File Name A-1, Folder Number 1, 09/16/1968

Letter To: Lester Hogan From: Frank Bower
Contents: Motorola vs. Fairchild lawsuit; request to be hired as an outside consultant

Box 15 (Series 17) File Name A-1, Folder Number 1, 09/11/1968

Letter To: Forman Mueller From: Glen Madland
Contents: ICE offering to help in the Motorola vs. Fairchild case

Box 15 (Series 17) File Name A-1, Folder Number 1, 09/19/1968

Memo To: Glen Madland From: H.K. Dicken
Contents: Legal consulting matters

Box 15 (Series 17) File Name A-1, Folder Number 1, 09/18/1968

Memo for file: Fairchild By: Glen Madland
Contents: Conference with Les Hogan

Box 15 (Series 17), Folder 2 File Name A-2, Folder Number 2, undated
Memo To: Glen Madland From: Howard Dicken
Contents: Re: Fairchild Repor

Box 15 (Series 17), Folder 3 File Name A-2, Folder Number 3, 10/22/1968
List of AD# ordered under project #371 for Fairchild
Contents: Also included: Terms for engineering services and a Forbes Magazine Article

Box 15 (Series 17),
Folder 4
File Name A-2, Folder Number 4, 05/21/1969
Memo for all council
Contents: Re: Agenda

Box 15 (Series 17),
Folder 5
File Name A-2, Folder Number 5, 04/21/1969
Letter To: Mark Wilmer From: Jack Brown
Contents: Glen Madland wants to extend confidentiality of Fairchild case to VP Howard Dicken and engineer David Krent

Box 15 (Series 17),
Folder 6
File Name A-2, Folder Number 6, 10-03-1968
Memo for file By: Glen Madland
Contents: Re: Conversation with Forman Mueller

Box 15 (Series 17),
Folder 7
File Name A-2, Folder Number 7, undated
Letter To: William Drummond From: Glen Madland
Contents: Re: Letter to Forman Mueller

Box 15 (Series 17),
Folder 8
File Name A-2, Folder Number 8, 03/14/1968
Letter To: Jack Brown From: Glen Madland
Contents: Re: Case fabrication sequence

Box 15 (Series 17),
Folder 9
File Name A-2, Folder Number 9, 03/03/1969
Letter To: Gene Blanchette From: Jack Brown
Contents: Discussing a letter from Glen Madland and if it should be openly distributed

Box 15 (Series 17),
Folder 10
File Name A-2, Folder Number 10, 02/27/1969
Letter To: Jack Brown From: Glen Madland
Contents: Letter questioning if an ICE report should be restricted
Box 15 (Series 17), Folder 11
File Name A-2, Folder Number 11, 02/20/1969

Minutes
Contents: Re: Meeting on 02/18/1969 about the next Fairchild proposal

Box 15 (Series 17), Folder 12
File Name A-2, Folder Number 12, undated

Memo To: Glen Madland From: Howard Dicken
Contents: Recommending high price and marketing approach for a report that exposes Fairchild’s weak spots to discourage buyers

Box 15 (Series 17), Folder 13
File Name A-2, Folder Number 13, 01/30/1969

Letter To: Glen Madland From: Jack Brown
Contents: Questions about a task report and seeking clarification

Box 15 (Series 17), Folder 14
File Name A-2, Folder Number 14, 01/02/1969

Note To: Glen Madland From: Paul Eckstien
Contents: Re: cover Letter for Tarzian option

Box 15 (Series 17), Folder 15
File Name A-2, Folder Number 15, 12/31/1968
Call report to Fairchild

Box 15 (Series 17), Folder 16
File Name A-2, Folder Number 16, 10/10/1968

Memo for file By: Glen Madland
Contents: Questions and clarifications about a task report

Box 15 (Series 17), Folder 17
File Name A-2, Folder Number 17, 10/10/1968

Memo for file By: Glen Madland
Contents: Meeting with Gene Blanchette of Fairchild on 10/09/1968 for project #371

Box 15 (Series 17), Folder 18
File Name A-2, Folder Number 18, undated

Quotes for Gene Blanchette By: Glen Madland
Contents: Reference to proposal #104, 1075, 1076, 1077, 1078
Box 15 (Series 17), Folder 19
File Name A-2, Folder Number 19, undated

Memo for file: Fairchild By: Glen Madland
Contents: Meeting with gene Blanchette 10/08/1968 for Project #371

Box 15 (Series 17), Folder 20
File Name A-2, Folder Number 20, 10/24/1968

Letter To: Gene Blanchette From: Glen Madland
Contents: Summary of tasks assigned to ICE - includes lists, work statements and estimated man hours

Box 15 (Series 17), Folder 21
File Name A-2, Folder Number 21, 09/20/1968

Letter To: Roger Borovoy From: Glen Madland
Contents: Contract making ICE a Fairchild consultant - signed by Nelson Stone

Box 15 (Series 17), Folder 22
File Name A-2, Folder Number 22, 1968-10-08
7 sheets of graph paper that appear to be the rough draft of the last memo (10/24/1968)

Box 15 (Series 17), Folder 23
File Name A-2, Folder Number 23, 09/19/1968

Memo To: Glen Madland From H.K. Dicken
Contents: Legal consulting

Box 15 (Series 17), Folder 24
File Name A-2, Folder Number 24, 09/19/1968

Letter To: William Drummond From: Glen Madland
Contents: ICE acting as a witness for Fairchild

Box 15 (Series 17), Folder 25
File Name A-2, Folder Number 25, 09/11/1968

Letter To: Forman Mueller From: Glen Madland
Contents: Offering ICE reference library to Motorola

Box 15 (Series 17), Folder 26
File Name A-2, Folder Number 26, 09/16/1968

Memo To: Les Hogan From Frank Bower
Contents: ICE Assisting Fairchild
Box 15 (Series 17), Folder 27

File Name A-2, Folder Number 27, 09/18/1968

Memo for file: Fairchild By: Glen Madland
Contents: Story of Les Hogan's transition to Fairchild from Motorola; also expressing concerns about a conflict of interest if both companies try to use ICE

Box 15 (Series 17), Folder 28

File Name A-2, Folder Number 28, 08/30/1968

Letter To: Leo Dwork From: Glen Madland
Contents: Offering services to Fairchild and introducing ICE

Box 15 (Series 17), Folder 29

File Name A-2, Folder Number 29, 09/18/1968

Letter To: Dr. Lester Hogan From: Frank Bower
Contents: Personal letter to welcome Hogan to the Bay Area and to offer ICE services

Box 15 (Series 17), Folder 30

File Name A-2, Folder Number 30, undated

Packet of Papers
Contents: 4:1 ETCH solution; Emitter diffusion; P base diffusion; Isolation diffusion; EPO growth; Buried layer diffusion; SiO2; Initial oxidation procedure; Pattern wafer cleaning before diffusion - method E; Pattern wafer cleaning before diffusion - method D

Box 15 (Series 17), Folder 31

File Name A-2, Folder Number 31, 10/21/1968

Proposal #1077 To: Fairchild (Eugene Blanchette) From: William G. Farrow

Box 15 (Series 17), Folder 32

File Name A-2, Folder Number 32, 09/20/1968

Letter To: Roger Borovoy From: Glen Madland
Contents: Expressing concerns about Motorola making claims against ICE because they are helping Fairchild

Box 15 (Series 17), Folder 33

File Name A-2, Folder Number 33, 09/19/1968

Memo To: William Drummond From: Glen Madland
Contents: Re: Misc. enclosed letters
<table>
<thead>
<tr>
<th>Box 15 (Series 17), Folder 34</th>
<th>File Name A-2, Folder Number 34, 10/15/1968</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Letter To: Gene Blanchette From: William Farrow</td>
</tr>
<tr>
<td></td>
<td>Contents: Apology for late delivery</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Box 15 (Series 17), Folder 35</th>
<th>File Name A-2, Folder Number 35, 10/03/1968</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Memo for file: Fairchild, Motorola By: Glen Madland</td>
</tr>
<tr>
<td></td>
<td>Contents: Conversation with Forman Mueller - Potential trade secret material existed in ICE books didn't help in Motorola's claims</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Box 15 (Series 17), Folder 36</th>
<th>File Name A-2, Folder Number 36, 10/23/1968</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Memo To: Glen Madland From: Harold Bell</td>
</tr>
<tr>
<td></td>
<td>Contents: Fairchild: work statement for updating and expanding the plastic packaging portion of integrated circuit assembly process compendium</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Box 15 (Series 17), Folder 37</th>
<th>File Name A-2, Folder Number 37, 10/15/1968</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Memo for file By: Glen Madland</td>
</tr>
<tr>
<td></td>
<td>Contents: Call from Jack Brown - Sending draft of trade secret stipulations</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Box 15 (Series 17), Folder 38</th>
<th>File Name A-2, Folder Number 38, 10/10/1968</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Memo for file By: Glen Madland</td>
</tr>
<tr>
<td></td>
<td>Contents: Visit by Fairchild representatives Dr. Dan Rose, John Carey</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Box 15 (Series 17), Folder 39</th>
<th>File Name A-2, Folder Number 39, 10/24/1968</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Task assignments To: Howard Dicken From: Frank Bower</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Box 15 (Series 17), Folder 40</th>
<th>File Name A-2, Folder Number 40, 10/1968</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Proposal #1074</td>
</tr>
<tr>
<td></td>
<td>Contents: Advanced fabrications training program for Fairchild Corp.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Box 15 (Series 17), Folder 41</th>
<th>File Name A-2, Folder Number 41, undated</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Rough draft of a letter to Roger Borovoy By: Glen Madland</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Box 15 (Series 17), Folder 42</th>
<th>File Name A-2, Folder Number 42, undated</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Memo for file: Fairchild By: Glen Madland</td>
</tr>
</tbody>
</table>
Contents: Conference with Les Hogan and his staff on 09/22/1968 and Jack Brown & John Ross (Fairchild attorneys 09/24/1968)

Box 15 (Series 17), Folder 43
File Name A-2, Folder Number 43, undated
Rough statement of work objectives

Box 15 (Series 17), Folder 44
File Name A-2, Folder Number 1, 09/20/1968
Letter To: Roger Borovoy From: Glen Madland
Contents: Offer services to Fairchild

Box 16 (Series 17), Folder 2
File Name A-2, Folder Number 2, 09/19/1968
Letter To: Roger Borovoy From: William Drummond
Contents: Same memo as one listed on 09/20/1968 from Glen Madland to Roger Borovoy

Box 16 (Series 17), Folder 3
File Name A-2, Folder Number 3, 09/26/1968
Call report: Fairchild To: Roger Borovoy From: Glen Madland
Contents: Set-up tool communications with two people

Box 16 (Series 17), Folder 4
File Name A-2, Folder Number 4, 09/19/1968
Memo To: Glen Madland From: H.K. Dicken
Contents: Re: Legal Consulting (incomplete document)

Box 16 (Series 17), Folder 5
File Name A-2, Folder Number 5, 09/16/1968
Letter To: Les Hogan From: Frank Bower

Box 16 (Series 17), Folder 6
File Name A-3, Folder Number 6, 03/31/1969
Fairchild File #380
Contents: TAC-Transistor automation system for handling semiconductor die while maintaining orientation

Box 16 (Series 17), Folder 7
File Name A-3, Folder Number 7, 01/22/1971
Letter To: Glen Madland From: Roger Borovoy
Contents: Re: Payment for consulting
Box 16 (Series 17), Folder 8

File Name A-3, Folder Number 8, 11/03/1970

Packet of papers
To: Jack Brown
From: Glen Madland
Contents: Enclosed information on public knowledge of trade secrets concerning aluminum epitaxial transistors (2 copies)

Box 16 (Series 17), Folder 9

File Name A-3, Folder Number 9, 10/19/1970

Letter
To: Glen Madland
From: Roger Borovoy
Contents: Payment to ICE

Box 16 (Series 17), Folder 10

File Name A-3, Folder Number 10, undated
Photocopy of double epitaxial isolation method for integrated circuit transistors

Box 16 (Series 17), Folder 11

File Name A-3, Folder Number 11, undated
Handwritten note

Box 16 (Series 17), Folder 12

File Name A-3, Folder Number 12, 09/17/1970

Memo for file: Project #380
By: Glen Madland
Contents: Review of additional trade secrets filled 06/26/1970

Box 16 (Series 17), Folder 13

File Name A-3, Folder Number 13, 01/31/1969

Copy of Power Transistor Bulletin
Contents: Re: Aluminum headers

Box 16 (Series 17), Folder 14

File Name A-3, Folder Number 14, undated
Photocopied article from Electronic

Box 16 (Series 17), Folder 15

File Name A-3, Folder Number 15, 11/18/1970

Letter
To: Glen Madland
From: Roger Borovoy
Contents: Request details of consulting provided (Jack Brown sent invoice 04323)

Box 16 (Series 17), Folder 16

File Name A-3, Folder Number 16, 07/31/1970

Packet of papers
To: Glen Madland
From: Roger Borovoy
Contents: Review three trade secret item
Box 16 (Series 17), Folder 17
File Name A-3, Folder Number 17, undated
Single page from an ICE manual

Box 16 (Series 17), Folder 18
File Name A-4, Folder Number 18, undated
Bound ICE report

Box 17 (Series 17), Folder 1
File Name B-1, Folder Number 1, undated

Packet of papers To: Jack Brown From: Glen Madland
Contents: Information for alleged trade secrets 1,2,33,40 & 41; Wafer orientation system from transistor automation; #33 Bonding needle to cut bonding wire; #40,41 NAVAN/HAMCO automatic tensioner (used with annular saw blades)

Box 17 (Series 17), Folder 2
File Name B-1, Folder Number 2, 03/04/1969
Affidavit of Charles S. Granieri in support of plaintiff's response to defendant's motion for production of documents

Box 17 (Series 17), Folder 3
File Name B-1, Folder Number 3, 03/27/1969
Letter To: Roger Borovoy From: Jack Brown
Contents: Sending affidavit for Mr. Borovoy to sign

Box 17 (Series 17), Folder 4
File Name B-1, Folder Number 4, 02/02/1970
Packet and cover letter To: Jack Brown From: Glen Madland
Contents: Information on alleged trade secrets (categorization and brief description

Box 17 (Series 17), Folder 5
File Name B-1, Folder Number 5, 12/05/1969
Packet and cover letter To: Glen Madland From: Jack Brown
Contents: Draft copy of categorization and brief description of alleged trade secrets

Box 17 (Series 17), Folder 6
File Name B-1, Folder Number 6, 03/04/1969
Affidavit of Harold Mumma in support of plaintiff's response to defendant's motion for production of documents

Box 17 (Series 17), Folder 7
File Name B-1, Folder Number 7, 03/04/1969
Affidavit of Eugene E. Segerson in support of plaintiff's response to defendant's motion for production of documents
Box 17 (Series 17), Folder 8  
File Name B-1, Folder Number 8, undated  
Affidavit No Civ. 6080 Phx. --Roger Borovoy

Box 17 (Series 17), Folder 9  
File Name C-1, Folder Number 9, undated  
Plaintiff's Interrogatory #1

Box 17 (Series 17), Folder 10  
File Name C-1, Folder Number 10, 02/21/1969  
Packet of papers  
To: Glen Madland  
From: Jack Brown  
Contents: 1. Plaintiff's answers to Fairchild interrogatories listing their trade secrets 2. Memo concerning investigation (Fairchild trade secrets) 3. Roger Borovoy's draft answers to some of plaintiff's interrogatories

Box 17 (Series 17), Folder 11  
File Name C-1, Folder Number 11, 03/1969  
Sworn statement of Roger Borovoy

Box 18 (Series 17), Folder 1  
File Name D-1, Folder Number 1, 05/15/1970  
Memo for file: Motorola v. Fairchild  
Contents: 1. Trade secret #6 (Semiconductor wafer dicing) 2. Trade Secret #71 (Assembly line and procedure --review of Ikeda patent)

Box 18 (Series 17), Folder 2  
File Name D-1, Folder Number 2, 04/17/1969  
Packet of papers  

Box 18 (Series 17), Folder 3  
File Name D-1, Folder Number 3, 03/31/1969  
Affidavit of Kenneth G. Dieker  
Contents: Manager of Administrative Services of Fairchild Semiconductor Division

Box 18 (Series 17), Folder 4  
File Name D-1, Folder Number 4, 03/26/1969  
Motion for order pursuant to Rule 34  
Contents: Requiring Fairchild to produce and permit entry by Motorola
Box 18 (Series 17), Folder 5
File Name D-1, Folder Number 5, 03/26/1969
Affidavit of Charles Granieri in support of plaintiff's response to defendant's motion for production of documents served 03/04/1969

Box 18 (Series 17), Folder 6
File Name D-1, Folder Number 6, 03/26/1969
Affidavit of Harold R. Mumma in support of plaintiff's response to defendant's motion for production of documents served 03/04/1969

Box 18 (Series 17), Folder 7
File Name D-1, Folder Number 7, 03/26/1969
Affidavit of Eugene G. Sergson in support of plaintiff's response to defendant's motion for production of documents served 03/04/1969

Box 18 (Series 17), Folder 8
File Name D-1, Folder Number 8, 04/09/1969
Response to defendant's memorandum dated 04/03/1969
Contents: Defendant's Rule 34 motion

Box 18 (Series 17), Folder 9
File Name D-1, Folder Number 9, 03/17/1969
Response to motion for production of documents served 03/04/1969

Box 18 (Series 17), Folder 10
File Name D-1, Folder Number 10, 03/31/1969
Memorandum in reply to plaintiff's response to defendant's motion to produce

Box 18 (Series 17), Folder 11
File Name D-1, Folder Number 11, 03/31/1969
Affidavit of Gordon E. Moore

Box 18 (Series 17), Folder 12
File Name D-1, Folder Number 12, undated
Technical Film Theatre --Program

Box 18 (Series 17), Folder 13
File Name D-1, Folder Number 13, undated
Two pieces of paper taped together to make a planning chart

Box 18 (Series 17), Folder 14
File Name E-1, Folder Number 14, undated
Large packet of documents; Cover letter To: Nelson Stone From: Jack Brown
Contents: 132 page document from Motorola attorneys answering interrogatory 4 in 2nd set inquiring about trade secrets; and an answer to interrogatory 11; and verifications

Box 18 (Series 17), Folder 1
File Name F-1, Folder Number 15, undated
An ICE report
Contents: Review of semiconductor fabrication technology - Prepared for Fairchild Semiconductor Division

Box 19 (Series 17), Folder 1
File Name G-1, Folder Number 1, undated

Complaint (Approx. 40 pages) Civ. No. 6808 Phx.
Contents: Unfair competition; interference with advantageous personal relationships; anti-trust violations; unjust enrichment; constructive trust upon benefits wrongfully obtained; damages --punitive and compensatory; breach of judiciary duty by officer and director

Box 19 (Series 17), Folder 2
File Name G-1, Folder Number 2, undated
Plaintiff's answers to the first set of defendant's interrogatories; plaintiff's interrogatories to all defendant's directed to Fairchild's knowledge of or use of any of the trade secrets or any techniques included for trade secrets described in plaintiff's answers

Box 19 (Series 17), Folder 3
File Name H-1, Folder Number 3, undated
Loose papers that are divided and appear to have been in a three-ring binder
Contents: Re: Technical procedures

Box 19 (Series 17), Folder 4
File Name I-1, Folder Number 4, 03/12/1971
Call report By: Glen Madland - Conversation with Jack Brown
Contents: Re: ICE consulting program --concern over Motorola changing and strengthening their case (2 copies)

Box 19 (Series 17), Folder 5
File Name I-1, Folder Number 5, 03/12/1971
Letter To: Roger Borovoy From: Glen Madland
Contents: Concern is expressed over Motorola's expert witnesses and the positive effect they could have on a jury --suggests that Fairchild add an additional witness to their case (3 copies)

Box 19 (Series 17), Folder 6
File Name I-1, Folder Number 6, 03/15/1971
Letter To: Glen Madland From: Roger Borovoy
Contents: Mr. Borovoy informs Mr. Madland that he isn't using ICE as much as Madland thinks he should because it doesn't make sense to research secrets that Motorola may not argue in court.
Box 19 (Series 17), Folder 7
File Name I-1, Folder Number 7, 02/26/1971

Call report By: Glen Madland -- Conversation with Les Hogan
Contents: Re: Consulting -- New Fairchild internal organization char included (handwritten)

Box 19 (Series 17), Folder 8
File Name I-1, Folder Number 8, 02/17/1971

Call report By: Glen Madland -- Conversation with Roger Borovoy
Contents: Re: Mr. Borovoy received the wrong invoice from ICE

Box 19 (Series 17), Folder 9
File Name I-1, Folder Number 9, 04/26/1971

Letter To: Glen Madland From: Roger Borovoy
Contents: Acknowledgment that Fairchild owed ICE $1100.00 and authorization of payment

Box 19 (Series 17), Folder 10
File Name I-1, Folder Number 10, 11/03/1970

Stapled packet of papers To: Jack Brown From: Glen Madland
Contents: Information regarding public knowledge of trade secrets S-1, S-2 & S-3 concerning aluminum power transistor packages and double epitaxial transistors

Box 19 (Series 17), Folder 11
File Name I-1, Folder Number 11, 07/28/1970

Letter and contract To: Roger Borovoy From: Glen Madland
Contents: Consulting terms and conditions

Box 19 (Series 17), Folder 12
File Name I-1, Folder Number 12, 11/26/1969

Letter To: Roger Borovoy From: Glen Madland
Contents: Re: ICE located ½ billion government reports -- a fraction related to integrated circuit processing

Box 19 (Series 17), Folder 13
File Name I-1, Folder Number 13, 10/27/1969

Letter To: Roger Borovoy From: Glen Madland
Contents: Preparing a bibliography of source material for litigation case
Box 19 (Series 17), Folder 14
File Name I-1, Folder Number 14, 11/03/1969

Letter To: Glen Madland From: Roger Borovoy
Contents: Response to #13 letter (2 copies)

Box 19 (Series 17), Folder 15
File Name I-1, Folder Number 15, 11/03/1970

Letter To: Jack Brown From: Glen Madland
Contents: Information regarding public knowledge of trade secrets S-1, S-2 & S-3 concerning aluminum power transistor packages and double epitaxial transistors (Same as #10)

Box 19 (Series 17), Folder 16
File Name I-2, Folder Number 1, undated

Copies of previously cataloged correspondence that has been bound together
Contents: Includes exhibits: 57 (Material for the defendant); 56-1 (Labor analysis); 53 (Literature from Lea-Ronal, Inc.); Technical Bulletin, Aurall 292 process, Aurall 177 gold process; Lea-Ronal Auro Glo PC 171 gold process; Lea-Ronal Auro Vel HV gold process; Lea-Ronal Kovar Activator; Lea-Ronal bright silver process "3K"

Box 20 (Series 17), Folder 1
File Name I-2, Folder Number 1 (cont.), Exhibit #52

Memo To: Howard Dicken, Gary Orman, Bill Farrow, Bob McLellan From: Glen Madland
Contents: Re: Publication of "A Review of semiconductor Fabrication Technology"

Box 20 (Series 17)
File Name I-2, Folder Number 1 (cont.), Exhibit #51 03/14/1969

Confidential letter To: Jack Brown
Contents: Re: Copy of Motorola vs. Fairchild Cross-Index

Box 20 (Series 17)
File Name I-2, Folder Number 1 (cont.), Exhibit #50

Letter To: Roger Borovoy From: Jack Brown
Contents: Re: Information on government publications

Box 20 (Series 17)
File Name I-2, Folder Number 1 (cont.), Exhibit #49
Memo To: Glen Madland
Box 21 (Series 17), Folder 1  File Name J-1, Folder Number 1, undated

Motorola vs. Fairchild - Civil Action 36808 -- Phx.
Contents: Defendant's answers to Plaintiff's interrogatories served 11/19/1968

Box 21 (Series 17)  Other litigation actions involving ICE

Return to Table of Contents

<p>| Box 1 (Series 18), Folder 1 | 100016-100025, undated |
| Box 1 (Series 18), Folder 2 | 100054-100058, undated |
| Box 1 (Series 18), Folder 3 | 100060, undated |
| Box 1 (Series 18), Folder 4 | 100061-100082, undated |
| Box 1 (Series 18), Folder 5 | 100083-100088, undated |
| Box 1 (Series 18), Folder 6 | 100090-100108, undated |
| Box 1 (Series 18), Folder 7 | 100109-100116, undated |
| Box 1 (Series 18), Folder 8 | 100119-100125, undated |
| Box 1 (Series 18), Folder 9 | 100127-100152, undated |
| Box 1 (Series 18), Folder 10 | 100154-100169, undated |
| Box 1 (Series 18), Folder 11 | 100168-100174, undated |
| Box 1 (Series 18), Folder 12 | 100175-100176, undated |
| Box 1 (Series 18), Folder 13 | 100177-100180, undated |
| Box 2 (Series 18), Folder 1 | 100181-100183, undated |
| Box 2 (Series 18), Folder 2 | 100185-100186, undated |</p>
<table>
<thead>
<tr>
<th>Box 2 (Series 18), Folder 3</th>
<th>100193-100199, undated</th>
</tr>
</thead>
<tbody>
<tr>
<td>Box 2 (Series 18), Folder 4</td>
<td>100201-100204, undated</td>
</tr>
<tr>
<td>Box 2 (Series 18), Folder 5</td>
<td>100206-100212, undated</td>
</tr>
<tr>
<td>Box 2 (Series 18), Folder 6</td>
<td>100213-100221, undated</td>
</tr>
<tr>
<td>Box 2 (Series 18), Folder 7</td>
<td>Bonding Equipment, 100222, undated</td>
</tr>
<tr>
<td>Box 2 (Series 18), Folder 8</td>
<td>Bond Photos, 100223-100224, undated</td>
</tr>
<tr>
<td>Box 2 (Series 18), Folder 9</td>
<td>Probes, 100225-100236, undated</td>
</tr>
<tr>
<td>Box 2 (Series 18), Folder 10</td>
<td>Welding Equipment, 100239-100247, undated</td>
</tr>
<tr>
<td>Box 2 (Series 18), Folder 11</td>
<td>Model Ultrasonic Bonder Head, 100295, undated</td>
</tr>
<tr>
<td>Box 2 (Series 18), Folder 12</td>
<td>H Ultrasonic Production Bonder, 100296, undated</td>
</tr>
<tr>
<td>Box 2 (Series 18), Folder 13</td>
<td>MS Ultrasonic Scissor Bonder, 100297, undated</td>
</tr>
<tr>
<td>Box 2 (Series 18), Folder 14</td>
<td>Thermalloy Heat Sink For TO-5 Package, 100298, undated</td>
</tr>
<tr>
<td>Box 2 (Series 18), Folder 15</td>
<td>Thermalloy Intergrated Circuit Mounting Pads, undated</td>
</tr>
<tr>
<td>Box 2 (Series 18), Folder 16</td>
<td>Cinch Manufacturing Company .025&quot; Square Tail Contact Miniature Printed Circuit Connector, 100300, undated</td>
</tr>
<tr>
<td>Box 2 (Series 18), Folder 17</td>
<td>100301, undated</td>
</tr>
<tr>
<td>Box 2 (Series 18), Folder 18</td>
<td>Tempress Sonic Cleaner, 100303, undated</td>
</tr>
</tbody>
</table>
Box 2 (Series 18), Folder 19
Tempress Model TPC-508-PS, 100304, undated

Box 2 (Series 18), Folder 20
Tempress Capillary Unplugging Fixture TPC-1000, 100305, undated

Box 2 (Series 18), Folder 21
Diamond Tools, 100306, undated

Box 2 (Series 18), Folder 22
Tape Preparation Unit. 100307 , undated

Box 2 (Series 18), Folder 23
Hot Sink, 100308, undated

Box 2 (Series 18), Folder 24
CHA Industries- Automatic Sequence Control Model ASC 601, 100309, undated

Box 2 (Series 18), Folder 25
Clean Bench and Hood by K&S, 100310, undated

Box 2 (Series 18), Folder 26
AMP Inc., 100311-100322, undated

Box 2 (Series 18), Folder 27
Fabrication Equipment, 100323-100327, undated

Box 2 (Series 18), Folder 28
Halex, 100328, undated

Box 2 (Series 18), Folder 29
Sputtering Systems, 100329-100331, undated

Box 2 (Series 18), Folder 30
Vacuum Equipment, 100332-100336, undated

Box 2 (Series 18), Folder 31
Microtech, 100337, undated

Box 2 (Series 18), Folder 32
100338-100339, undated

Box 2 (Series 18), Folder 33
100340, undated

Box 3 (Series 18), Folder 1
Motorola Mask Alignment, 100342, undated
Box 3 (Series 18), Folder 2  
Type 1080A Photorepeater, 100343, undated

Box 3 (Series 18), Folder 3  
Tape Preparation Unit for Use With Special Photorepeater, 100344, undated

Box 3 (Series 18), Folder 4  
Microtech #2020 Aligner, 100346, undated

Box 3 (Series 18), Folder 5  
Micro/Plotter, 100347-100350, undated

Box 3 (Series 18), Folder 6  
Soldering Machine, 100351, undated

Box 3 (Series 18), Folder 7  
Scribing-Sawing Equipment, 100352-100367, undated

Box 3 (Series 18), Folder 8  
Containment Detector, 100368, undated

Box 3 (Series 18), Folder 9  
Wire Bonders, 100372-100382, undated

Box 3 (Series 18), Folder 10  
Automated Circuit Manufacturing 360, 100403-100405, undated

Box 3 (Series 18), Folder 11  
100406, undated

Box 3 (Series 18), Folder 12  
Micro Science Association, 100408-100412, undated

Box 3 (Series 18), Folder 13  
ITT (Processing), 100413-100414, undated

Box 3 (Series 18), Folder 14  
100415-100416, undated

Box 3 (Series 18), Folder 15  
Integronics, 100417-100419, undated

Box 3 (Series 18), Folder 16  
Motorola (Processing), 100420-100421, undated

Box 3 (Series 18), Folder 17  
100422-100423, undated
Box 3 (Series 18), Folder 18
Sylvania, 100424-100427, undated

Box 3 (Series 18), Folder 19
Furnaces (Folder #1), 100428-100438, undated

Box 3 (Series 18), Folder 20
Furnaces (Folder #2), 100439-100449, undated

Box 3 (Series 18), Folder 21
Furnaces (Folder #3), 100450-100459, undated

Box 3 (Series 18), Folder 22
IN-Process Photos, 100460-100463, undated

Box 3 (Series 18), Folder 23
Inspection Equip-Optical, 100464-100467, undated

Box 3 (Series 18), Folder 24
Materials-Substrate, 100468, undated

Box 3 (Series 18), Folder 25
Packaging-Misc., 100469-100470, undated

Box 3 (Series 18), Folder 26
Atlas Connector Corp. & Address Register, 100471-100473, undated

Box 3 (Series 18), Folder 27
Signetics, 100474, undated

Box 3 (Series 18), Folder 28
Miscellaneous, 100475-100477, undated

Box 3 (Series 18), Folder 29
Amello Semiconductor, 100478-100485, undated

Box 4 (Series 18), Folder 1
China Lake, 100486, undated

Box 4 (Series 18), Folder 2
CSF-Compagnie Generale de Telegraphie Sans Fil, 100487, undated

Box 4 (Series 18), Folder 3
Fairchild, 100489-100499, undated

Box 4 (Series 18), Folder 4
Fairchild, 100500-100506, undated
| Box 4 (Series 18), Folder 5 | Fairchild, 100507-100514, undated |
| Box 4 (Series 18), Folder 6 | Signetics, 100515, undated |
| Box 4 (Series 18), Folder 7 | Fairchild, 100516-100527, undated |
| Box 4 (Series 18), Folder 8 | Glasstite, 100528-100531, undated |
| Box 4 (Series 18), Folder 9 | General Electric, 100532-100534, undated |
| Box 4 (Series 18), Folder 10 | General Instruments, 100535-100536, undated |
| Box 4 (Series 18), Folder 11 | GME, 100537-100541, undated |
| Box 4 (Series 18), Folder 12 | GME, 100542-100546, undated |
| Box 4 (Series 18), Folder 13 | Hughes, 100547-100553, undated |
| Box 4 (Series 18), Folder 14 | Marconi Co. Ltd., 100555, undated |
| Box 4 (Series 18), Folder 15 | Monsanto, 100556-100559, undated |
| Box 4 (Series 18), Folder 16 | Motorola Packaging, 100560-100568a, undated |
| Box 4 (Series 18), Folder 17 | Philco-Microelectronics Division-Wescon, 100569, undated |
| Box 4 (Series 18), Folder 18 | Radiation Inc., 100570-100573, undated |
| Box 4 (Series 18), Folder 19 | Siliconix, 100580-100591, undated |
| Box 5 (Series 18), Folder 1 | Sloan, 100592-100594, undated |
Box 5 (Series 18), Folder 2
Solitron. 100595-100597, undated

Box 5 (Series 18), Folder 3
Sylvania, 100598-100599, undated

Box 5 (Series 18), Folder 4
Sylvania, 100601-100602, undated

Box 5 (Series 18), Folder 5
Telefunken, 100602z, undated

Box 5 (Series 18), Folder 6
TRW, 100603, undated

Box 5 (Series 18), Folder 7
TI, 100604-100607, undated

Box 5 (Series 18), Folder 8
Texas Instruments, 100608-100612, undated

Box 5 (Series 18), Folder 9
Texas Instruments: EDN Magazine Cover, 100614, undated

Box 5 (Series 18), Folder 10
100615-100629, undated

Box 5 (Series 18), Folder 11
100630-100643, undated

Box 5 (Series 18), Folder 12
Texas Instruments 65M 560B, 100644, undated

Box 5 (Series 18), Folder 13
Texas Instruments, 100645-100653, undated

Box 5 (Series 18), Folder 14
Texas Instruments, 100654-100662, undated

Box 5 (Series 18), Folder 15
Transitron, 100663-100665, undated

Box 5 (Series 18), Folder 16
(More Special Packages?), 100666, undated

Box 5 (Series 18), Folder 17
United Aircraft, 100667-100668, undated
| Box 5 (Series 18), Folder 18 | Unitek-Die Bonders, 100669-100680, undated |
| Box 5 (Series 18), Folder 19 | Univac- Assembled Flip Chip T.J. Matcovich, 100681, undated |
| Box 5 (Series 18), Folder 20 | Weltek, 100682-100686, undated |
| Box 5 (Series 18), Folder 21 | Westinghouse, 100687-100692, undated |
| Box 6 (Series 18), Folder 1 | RG3242D 6941, 100804, undated |
| Box 6 (Series 18), Folder 2 | GE PD 455 Lead Frame, 100809, undated |
| Box 6 (Series 18), Folder 3 | MIL Report 513-2 (Fig. 2069), 100810, undated |
| Box 6 (Series 18), Folder 4 | GE 402 Slides, 100812, undated |
| Box 6 (Series 18), Folder 5 | Transfer Molding Sequence, 100818, undated |
| Box 6 (Series 18), Folder 6 | Microtech Mask Alligner, 100842, undated |
| Box 6 (Series 18), Folder 7 | 100872-100875, undated |
| Box 6 (Series 18), Folder 8 | Adjustable Probe Head, 100880, undated |
| Box 6 (Series 18), Folder 9 | Semi-Automatic Screen Printer, 100889, undated |
| Box 6 (Series 18), Folder 10 | Areojet General Model IF-4 Thin-Film 405 MHz IF Audio Channel, 1966 |
| Box 6 (Series 18), Folder 11 | Product Analysis Photographs, undated |
| Box 6 (Series 18), Folder 12 | Mechanization Associates, 1968-1969 |
Box 6 (Series 18), Folder 13  
Lockheed Report Industry Analysis, 1968-1973

Box 6 (Series 18), Folder 14  
Lockheed Market Analysis Notes and Drafts, 1966-1973

Box 6 (Series 18), Folder 15  
Ball Bonding Technique, 10759-2, undated

Box 6 (Series 18), Folder 16  
Texas Instruments Photo Inventory (Descriptive), undated

Box 6 (Series 18), Folder 17  
Unidentified B&W Artist Rendition Chip Picture, undated

Box 6 (Series 18), Folder 18  
HKD's Paper, 1969

Box 6 (Series 18), Folder 19  
CTS, 1968

Box 6 (Series 18), Folder 20  
Mann, 1962-1963

Box 6 (Series 18), Folder 21  
Master Recticle Alignment Instrument, 1964

Box 6 (Series 18), Folder 22  
Nugent Electronics - Press Releases, 1964-1965

Box 6 (Series 18), Folder 23  
Fairchild (Processing), 1968

Box 6 (Series 18), Folder 24  
Texas Instruments, 1966

Box 6 (Series 18), Folder 25  
1062-1101, undated

Box 6 (Series 18), Folder 26  
1102-1190, undated

Box 6 (Series 18), Folder 27  
1191-1283, undated

Box 6 (Series 18), Folder 28  
1318-1324, undated
Box 6 (Series 18), Folder 29  

Box 7 (Series 18), Folder 1  
Quartz Products Company, 0040-001 - 0040-002, undated

Box 7 (Series 18), Folder 2  
0100-001, undated

Box 7 (Series 18), Folder 3  
ADE Corporation, 0130-001 - 0130-004, undated

Box 7 (Series 18), Folder 4  
Grinding Technology Inc., 0140-001 - 0140-002, undated

Box 7 (Series 18), Folder 5  
0332-001 - 0332-002, undated

Box 7 (Series 18), Folder 6  
Shipley Co. Inc., 036-001 - 0360-004, undated

Box 7 (Series 18), Folder 7  
0414-001 - 0414-010, undated

Box 7 (Series 18), Folder 8  
Thomson Industries Inc. 0430-001, undated

Box 7 (Series 18), Folder 9  
0510-001 - 0510-007, undated

Box 7 (Series 18), Folder 10  
Interlab Inc. Microbot Mark 3, 0511-001, undated

Box 7 (Series 18), Folder 11  
Interlab Micro-V-Etch, 0512-001, undated

Box 7 (Series 18), Folder 12  
0514-001 - 0514-007, undated

Box 7 (Series 18), Folder 13  
Poly-Flow Tube/Quartz Cleaning, 0515-001 - 0515-002, undated

Box 7 (Series 18), Folder 14  
0521-001 - 0521-007, undated

Box 7 (Series 18), Folder 15  
0612-001 - 0621-012, undated
| Box 7 (Series 18), Folder 16 | Bruce Industrial Controls Inc., 0625-001, undated |
| Box 7 (Series 18), Folder 17 | Peak Systems Inc., 0653-001, undated |
| Box 7 (Series 18), Folder 18 | 0710-001 - 0710-005, undated |
| Box 7 (Series 18), Folder 19 | Spire Corporation, 0720-001, undated |
| Box 7 (Series 18), Folder 20 | 0721-001 - 0721-002, undated |
| Box 7 (Series 18), Folder 21 | 0723-001 - 0723-002, undated |
| Box 7 (Series 18), Folder 22 | 0740-001 - 0740-012, undated |
| Box 7 (Series 18), Folder 23 | 0770-001 - 0770-025, undated |
| Box 8 (Series 18), Folder 1 | TOSOH SMD Inc, 0780-001 - 780-002, undated |
| Box 8 (Series 18), Folder 2 | 0810-001 - 0810-004, undated |
| Box 8 (Series 18), Folder 3 | 0813-001 - 0813-002, undated |
| Box 9 (Series 18), Folder 1 | 100044-100046, undated |
| Box 9 (Series 18), Folder 2 | 100117, undated |
| Box 9 (Series 18), Folder 3 | 100155, undated |
| Box 9 (Series 18), Folder 4 | Automatic Wafer Probing Machine Transistor Automatic Corp., 100237, undated |
| Box 9 (Series 18), Folder 5 | Crystal Growing, 100369-100371, undated |
Box 9 (Series 18),
Folder 6 100613, undated

Box 9 (Series 18),
Folder 7 100805, undated

Box 9 (Series 18),
Folder 8 100806, undated

Box 9 (Series 18),
Folder 9 100911, undated

Return to Table of Contents
Series 19: Audio Visual Materials, undated

Subseries 19.1: Audio Cassettes, undated

Box 1 (Series 19), Item OTC 600.1 BT Seminar, Tape 1-2

Box 1 (Series 19), Item OTC 600.2 BT Seminar, Tape 3-4

Box 1 (Series 19), Item OTC 600.3 BT Seminar, Tape 5-6

Box 1 (Series 19), Item OTC 600.4 BT Seminar, Tape 7-8

Subseries 19.2: Master Video Tapes (3/4"), 1979

Box 1 (Series 19), Item MV 600.1 Integrated Circuit Resistor Design, Part 1, Session 1, 1979

Box 1 (Series 19), Item MV 600.2 Integrated Circuit Resistor Design, Part 1, Session 1, 1979

Box 1 (Series 19), Item MV 600.3 Integrated Circuit Resistor Design, Part 1, Session 2, 1979

Box 1 (Series 19), Item MV 600.4 Integrated Circuit Resistor Design, Part 1, Session 2, 1979

Box 1 (Series 19), Item MV 600.5 Integrated Circuit Resistor Design, Part 1, Session 2, 1979

Box 1 (Series 19), Item MV 600.6 Transistor Design, Part 1, Session 1, 1979

Box 1 (Series 19), Item MV 600.7 Transistor Design, Part 1, Session 1, 1979

Box 1 (Series 19), Item MV 600.8 Transistor Design, Part 1, Session 2, 1979

Box 1 (Series 19), Item MV 600.9 Transistor Design, Part 1, Session 2, 1979

Box 1 (Series 19), Item MV 600.10 Transistor Design, Part 1, Session 2, 1979
Subseries 19.3: Compact Disks, undated

Box 3 (Series 19) #1 SamsungKM44C4000J-7
Box 3 (Series 19) #2 Micron Semiconductor
Box 3 (Series 19) #3 Xicor X28C010J-20
Box 3 (Series 19) #4 Actel A1440
Box 3 (Series 19) #5 ISSI IS27HC010
Box 3 (Series 19) #6 Atmel AT27C0101-45DC
Box 3 (Series 19) #7 National Semiconductor
Box 3 (Series 19) #8 QLogic
Box 3 (Series 19) #9 Maxim
Box 3 (Series 19) #10 Chip Express
Box 3 (Series 19) #11 Motorola XC56002PV80
Box 3 (Series 19) #12 UMC UM 613264F-7
Box 3 (Series 19) #13 Phillips
Box 3 (Series 19) #14 QuickLogic QL24x32B
Box 3 (Series 19) #15 Samsung KM684000ALG-7
Box 3 (Series 19) #16 Panasonic
Box 3 (Series 19) #17 Microchip
Box 3 (Series 19) #18 Atmel AT27C512R
Box 3 (Series 19) #19 AMD AM27C010
Box 3 (Series 19) #20 SGS-Thomson M17C1001
Box 3 (Series 19) #21 SGS-Thomson 93C46CB1
Box 3 (Series 19) #23 Xicor X25020P
Box 3 (Series 19) #24 Lattice ispLSI1032E
Box 4 (Series 19) #25 Sony CXK5B16120J-12
Box 4 (Series 19) #26 Toshiba TC5165165AFT-50
Box 4 (Series 19) #27 Dallas Semiconductor DSC80C320
Box 4 (Series 19) #28 AMD Mach5 512 Complex Programmable Logic Device
<table>
<thead>
<tr>
<th>Box 4 (Series 19)</th>
<th>#29 AMD Mach5-256 Programmable Logic Device</th>
</tr>
</thead>
<tbody>
<tr>
<td>Box 4 (Series 19)</td>
<td>#30 Fujitsu MB81G8322-010 (2 copies)</td>
</tr>
<tr>
<td>Box 4 (Series 19)</td>
<td>#31 Hitachi HM5283206FP10</td>
</tr>
<tr>
<td>Box 4 (Series 19)</td>
<td>#32 Samsung KM4132G271Q-10</td>
</tr>
<tr>
<td>Box 4 (Series 19)</td>
<td>#33 Mosel Vitelic MS62256CII-70PC</td>
</tr>
<tr>
<td>Box 4 (Series 19)</td>
<td>#34 NEC D481850GE-A10</td>
</tr>
<tr>
<td>Box 4 (Series 19)</td>
<td>#35 Toshiba TC86R10000-200</td>
</tr>
<tr>
<td>Box 4 (Series 19)</td>
<td>#36 Winbond W2E512</td>
</tr>
<tr>
<td>Box 4 (Series 19)</td>
<td>#37 NEC D23C3200A</td>
</tr>
<tr>
<td>Box 4 (Series 19)</td>
<td>#38 DEC SA-110S StrongARm</td>
</tr>
<tr>
<td>Box 4 (Series 19)</td>
<td>#39 Lattice GAL22LV10D-4LJ</td>
</tr>
<tr>
<td>Box 4 (Series 19)</td>
<td>#40 Analog Devices ADSP-21062 KS-160</td>
</tr>
<tr>
<td>Box 4 (Series 19)</td>
<td>#41 Lattice 3256A-90LM</td>
</tr>
<tr>
<td>Box 4 (Series 19)</td>
<td>#42 Micron Semiconductor MT4LC16M4H9 (2 copies)</td>
</tr>
<tr>
<td>Box 4 (Series 19)</td>
<td>#43 Intel 200MHz Pentium Processor</td>
</tr>
<tr>
<td>Box 4 (Series 19)</td>
<td>#44 Advanced Micro Devices 200MHz K6 Microprocessor (2 copies)</td>
</tr>
<tr>
<td>Box 5 (Series 19)</td>
<td>#45 Intel 266 MHz 32 bit Pentium II (Klamath) Processor</td>
</tr>
<tr>
<td>Box 5 (Series 19)</td>
<td>#46 Atmel AT89C2051 and AT89S8252</td>
</tr>
<tr>
<td>Box 5 (Series 19)</td>
<td>#47 Xilinx XC4036Ex</td>
</tr>
<tr>
<td>Box 5 (Series 19)</td>
<td>#48 Oki M5117805A-60J 16Mbit DRAM (EDO)</td>
</tr>
<tr>
<td>Box 5 (Series 19)</td>
<td>#49 Rockwell 11577-11 Digital Correlator</td>
</tr>
</tbody>
</table>
Box 5 (Series 19) #50 NKK NR4645LQF-133 64-bit RISC Processor
Box 5 (Series 19) #51 Sharp LH28F032SUTD-70 32Mbit Flash EEPROM
Box 5 (Series 19) #52 VTC VM365830VSJ pre-AMP
Box 5 (Series 19) #53 Toshiba TC58A040F 4Mbit NAND EEPROM
Box 5 (Series 19) #54 Motorola PC603R Microprocessor
Box 5 (Series 19) #55 Rockwell R6732-13 RF to IF Down Converter
Box 5 (Series 19) #56 Xilinx XC4036XL-1C FPGA
Box 5 (Series 19) #57 AMD/Vantis MACHL V466-10 EEPLA
Box 5 (Series 19) #58 Silicon Systems 32R220R Read/Write Device
Box 5 (Series 19) #59 Qlogic ISP1040B SCSI I/O Processor
Box 5 (Series 19) #60 PLX Technology PCI 9080 I/O Accelerator
Box 5 (Series 19) #61 SGS-Thomson M28C64-121 64K EEPROM
Box 5 (Series 19) #62 SGS-Thomson L4990 Controller
Box 5 (Series 19) #63 Motorola MPA1016FN FPGA
Box 5 (Series 19) #64 Motorola MC68360EM25VC Communication Controller
Box 5 (Series 19) #65 IBM/Motorola MPC750 RISC Microprocessor
Box 6 (Series 19), Folder 1 #66 NEC 79VR5000 RISC Microprocessor
Box 6 (Series 19), Folder 2 #67 Hitachi 51658005A 64Mbit (8Mb x 8) Dynamic RAM
Box 6 (Series 19), Folder 3 #68 Mitsubishi M5M465405AJ 64Mbit DRAM (16M x 4 bit)
Box 6 (Series 19), Folder 4 #69 Xilinx XC9536 CPLD
Box 6 (Series 19), Folder 5  
#70 Altera EPM7128SQC160-15 EPLD

Box 6 (Series 19), Folder 6  
#71 National Semiconductor LM2672 Simple Switcher Voltage Regulator

Box 6 (Series 19), Folder 7  
#72 Melexis ELEX 16201C Device

Box 6 (Series 19), Folder 8  
#73 Macronix 27C8100PC-10 8Mbit NAND EPROM

Box 6 (Series 19), Folder 9  
#74 Lattice ispLSI2032-180L CPLD

Box 6 (Series 19), Folder 10  
#75 Linear Technology LTC1148CS-3.3 Switching Regulator

Box 6 (Series 19), Folder 11  
#76 Analog Devices ADSP-21062-KS-160

Box 6 (Series 19), Folder 12-13  
ASIC Outlook, 1997-1998

Box 6 (Series 19), Folder 14  
Basic Integrated Circuit technology Reference Manual

Box 6 (Series 19), Folder 15  
Cost Effective IC Manufacturing, 1998-1999

Box 6 (Series 19), Folder 16-17  
Memory 1996-1997

Box 6 (Series 19), Folder 18  
Microprocessor Outlook, 1997

Box 6 (Series 19), Folder 19  
Processor, 1998

Box 6 (Series 19), Folder 20-23  
Profiles, 1996-1999

Box 6 (Series 19), Folder 24  
Roadmaps of Packaging Technology

Box 7 (Series 19), Folder 1-4  
Status Reports, 1996-1998
Box 7 (Series 19), Folder 5-8

Box 7 (Series 19), Folder 9
Wireless Communications, 1996

Box 8 (Series 19)
MicroAge Video Monthly, 1990-11
1 Videocassettes (VHS)
Includes Industry Update, Sales Strategies, Technical Support, Principal's File
Total Run-Time: 40:17

Return to Table of Contents

Map-folder 1

Box 1 (Series 20), Folder 1  Books, 1994

Box 1 (Series 20), Folder 2  Interviews (Folder #1), 1996

Box 1 (Series 20), Folder 3  Interviews (Folder #2), 1992-1996

Box 1 (Series 20), Folder 4  Journal Articles, 1995-1997

Box 1 (Series 20), Folder 5  Miscellaneous, 1996

Box 1 (Series 20), Folder 6  Motorola Europe Plan, 1991

Box 1 (Series 20), Folder 7  Newspaper Articles, 1986-1998

Box 1 (Series 20), Folder 8  Reports, 1997

Box 1 (Series 20), Folder 9  Seminar Folders, undated

Box 1 (Series 20), Folder 10  Seminar Handouts, 1994-1997

Box 1 (Series 20), Folder 11  Web Articles, 1997-1998

Map-folder 1  ICE Providing Knowledge You Need When You Need It, DEC Alpha AXP 21164 64 bit Microprocessor, undated

1 Poster

Map-folder 1  The Making of an Integrated Circuit, 1991

1 Poster

Map-folder 1  Silicon Valley Genealogy, 1995

1 Poster

Map-folder 1  ICE Gets the Inside Information on IC Quality and Technology, undated
2 Posters

Return to Table of Contents