DIVISION 6 - LINCOLN LABORATORY
MASSACHUSETTS INSTITUTE OF TECHNOLOGY
LEXINGTON 73, MASSACHUSETTS

Compilation of E Series Memoranda in Division 6 Document
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E-258	Function of the Program Counter End Carry	7-6-49	C. Adams	U
E-259	Classified Bibliography on Conversion between Analogue Quantities and Binary Numbers	7-14-49	A. Susskind	U
E-260	Cases of Critical Timing	7-25-49	J. Salzer	U
E-261	The History of the Theories and Development of High-Vacuum Pumps and Some Methods of Measuring very High Vacua	7-22-49	J. McCusker	U
E-262	Crystal Limiter	7-25-49	K. McVicar	U
E-263	Modification of 2:1-4:1 Binary Frequency Divider	7-25-49	H. Kenosian	U

No.6E	Title	Date	Author	Cls.
E-264	The History of the Development of High-Vacuum, Hot-Cathode, Electrostatic Electron Guns	7-25-49	J. Rochefort	U
E-265	Control of Tube Components	8-1-49	R. Shaw T. Clough	U
E-266	Comments on the Testing and Dissection of ST101-1	7-25-49	C. Corderman	U
E-267	Time Saved by Simultaneous Operation of AE and ES	7-29-49	R. Mayer	U
E-268	Storage Tube ST96: Construction, Processing and Initial Testing	8-1-49	M. Florencourt	U
E-269	Storage Tube ST97: Construction, Processing and Initial Testing	8-1-49	M. Florencourt	U
E-270	Storage Tube ST98: Construction, Processing and Initial Testing	8-1-49	M. Florencourt	U
E-271	Storage Tube ST101: Construction, Processing and Initial Testing	8-9-49	M. Florencourt	U
E-272	Storage Tube ST102: Construction, Processing and Initial Testing	8-9-49	M. Florencourt	U
E-273	Storage Tube ST 105: Construction, Processing and Initial Testing	3-9-49	M. Florencourt	U
E-274	Storage Tube ST106: Construction, Processing and Initial Testing	8-10-49	M. Florencourt	U
E-275	Storage Tube ST107: Construction, Processing and Initial Testing	8-10-49	M. Florencourt	U
E-276	Storage Tube ST 108: Construction, Processing and Initial Testing	8-10-49	M. Florencourt	U
E-277	Storage Tube ST109 and 110: Construction, Processing and Initial Testing	8-11-49	M. Florencourt	U
E-278	Equipment for Special Display	8-11-49	E. Rich	U
E-279	Storage Tube Life Testing	7-28-49	C. Corderman	U
E-280	Storage Tube ST103: Construction, Processing and Initial Testing	8-19-49	M. Florencourt	U

No.6E	Title	Date	Author	Cls.
E-281	Multivibrator Frequency Divider	8-22-49	R. Best	U
E-282	Storage Tube ST111: Construction, Processing and Initial Testing	8-29-49	M. Florencourt	U
E-283	Storage Tube ST112: Construction, Processing and Initial Testing	8-26-49	M. Florencourt	U
E-284	High Velocity Electron Gun--- Assembly A-160	8-30-49	G. Kaplan	U
E-285	Electron Adding Gun HG3-2 -- Assembly A-150	8-29-49	G. Kaplan	U
E-286	Investigation of the Stabilizing Curve of the Storage Tube with the High-Speed, Write-Read Unit	8-29-49	N. Zimbel J. Rochefort	U
E-287	Methods of Cutting Mica	8-31-49	I. Paulsen	U
E-288	Signal Plate Driver	9-2-49	G. Hoberg	U
E-289	Gun Driver	9-2-49	G. Hoberg	U
E-290	A Built-In Monitor System for WWI Electrostatic Storage Circuits	9-2-49	G. Hoberg	U
E-291	Storage Registers for WWI	9-14-49	R. Everett S. Dodd	U
E-292	Storage Tube ST113 and ST115: Construction, Processing and Initial Testing	9-12-49	M. Florencourt	U
E-293	Standard Test Equipment: Evaluation	9-22-49	H. Kenosian	U
E-294	Read-Gate Generator and Holding-Gate Generator	9-2-49	G. Hoberg	U
E-295	Test Program Number I, Computer Complementing	10-17-49	C. Adams	U
E-296	Test Program Number II, Operation Matrix Check	10-13-49	C. Adams	U
E-297	Test Program Number III, Counting in AC	10-13-49	C. Adams	U
E-298	Test Program Number IV, Counting in AC	10-13-49	C. Adams	U

No.6E	Title	Date	Author	Cls.
E-299	Test Program Number V, Shifting in AC	10-13-49	C. Adams	U
E-300	Display Program Number I: Family of Parabolas and Powers of X	10-17-49	G. Cooper	U
E-301	Notes on Making Tungsten Springs	9-28-49	I. Paulsen	U
E-302	Storage Tube Deflection Pattern	10-5-49	C. Adams	U
E-303	Voltage Calibrator	9-9-49	H. Kenosian	U
E-304	Display Program Number II: Second Order Differential Equation	10-25-49	G. Cooper	U
E-305	Results of Tests on RT59	10-19-49	H. Rowe	U
E-306	Basing Procedure	10-21-49	R. Angus	U
E-307	Development of Storage Tube Circuits	10-27-49	S. Dodd	U
E-308	Temporary Deactivation of Storage Tube Cathodes under Stand-by Conditions	10-31-49	Storage Tube Group Compiled by H. Klemperer	U
E-309	Initial Testing and Reconstruction of ST114 and ST114-R1	10-26-49	M. Florencourt	U
E-310	Automatic Control Box for TV Demonstrator	10-31-49	M. Florencourt	U
E-311	The Study of Non-Linear Servomechanisms with the Aid of an Automatic Digital Computer	11-28-49	S. Pierson	U
E-312	Calibration of Vacuum Measurements in Storage Tubes	12-2-49	H. Rowe	U
E-313	Temporary Operation qs – Switch Check and Test Program Number VI Switch Check	12-2-49	C. Adams	U
E-314	Display Program Number III — Target-Seeking Simulation	12-8-49	C. Adams	U
E-315	Test Results on RT66 and RT 91	12-12-49	H. Rowe	U
E-316	The Significance of a Shorter Beam-Length for the Whirlwind Storage Tube — Part I: Experimental Results with RT64	12-21-49	H. Klemperer H. Rowe	U

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E-317	Flip-Flop Balance Checking in WWI	2-23-50	G. Sumner	U
E-318	Tests on 3JP1 Cathode Ray Tube	12-30-49	H. Rowe	U
E-319	The Significance of a Shorter Beam Length for the Whirlwind Storage Tube - - Part II: Fundamental Limitations on Spot Size and Current Density	1-3-50	H. Klemperer	U
E-320	Display Program Number IV: Non-Homogeneous Second Order Differential Equation	1-30-50	C. Adams	U
E-321	Storage of Pulse-Coded Information (Abstract of MS Thesis Report)	1-10-50	A. Lephakis	U
E-322	Tests on ST11o	1-18-50	R. Sisson	U
E-323	Standard Operating Conditions for 100-Series Whirlwind Electrostatic Storage Tubes	1-19-50	S. Dodd R. Everett	U
E-324	Characterics of 5UP and 7 GP Electron Guns	1-24-50	H. Rowe	U
E-325	Mosaic Characteristics of the MIT Storage Tube	1-26-50	C. Corderman	U
E-326	Power Distribution, Variable-Voltage Circuits,WW1	1-25-50	H. Lee	U
E-327	Standard Tests for Storage Tubes, Second Revision	1-25-50	M. Florencourt	U
E-328	Pulse Transformers and Interstage Coupling in Whirlwind I	1-31-50	C. Rowland	U
E-329	Techniques for Using Standard Automatic Subroutines	2-10-50	C. Adams	U
E-330	Single Doppler Station	2-27-50	P. Franklin	C
E-331	Doppler Stations	3-2-50	P. Franklin	C
E-332	Forming End-of-Block Spaces on Film in Normal Operation	3-21-50	C. Adams R. Mayer	U
E-333	Whirlwind I Order Code as of March, 1950	3-24-50	C. Adams	U

No.6E	Title	Date	Author	Cls.
E-334	Doppler Station	3-22-50	P. Franklin	C
E-335	Operation of the WWI Storage Tube Power Supply Control System	3-22-50	C. Watt	U
E-336	Secondary Emission from Beryllium Surfaces at low Incident Electron Energies(Abstract of MS Thesis Report)	4-3-50	H. Rowe	U
E-337	Accelerated Life Test for Cathode Interface in Receiving Type Tubes (A paper presented at the M.I.T. Conference on Physical Electronics March 30, 1950.)	4-3-50	E. Rich	U
E-338	Test Results of L9B and F8B Productions of 7AD7 Tubes	4-11-50	H. Frost	U
E-339	Single Doppler Station	4-7-50	P. Franklin	C
E-340	Current Density Distribution and Spot Diameter in Cathode Ray Beam	4-17-50	A. Tanguay H. Rowe	U
E-341	Single Doppler Station	4-18-50	P. Franklin	C
E-342	An Investigation of the Possibilities for Improving Pentode-Gate-Tube Circuits (Abstract of MS Thesis Report)	4-26-50	C. Rowland	U
E-343	Computer Input-Tape Preparation	5-25-50	F. Foss	U
E-344	A Method of Test Checking an Electronic Digital Computer (Abstract of MS Thesis Report)	6-1-50	G. Cooper	U
E-345	The Transition Region between Negative and Positive Regions on Storage Tube Surfaces	6-15-50	H. Rowe	U
E-346	Measurements on Electron Beams in Storage Tubes (Summary of R-175 A MS Thesis Report)	6-6-50	J. McCusker	U
E-347	CANCELLED			
E-348	Winding Tungsten Springs -- SA-33325	6-9-50	I. Paulsen	U

No.6E	Title	Date	Author	Cls.
E-349	Operation and Maintenance of Polariscope	6-9-50	R. Shaw	U
E-350	Construction of a Silver Evaporation Target Assembly	6-6-50	J. Palermo	U
E-351	Winding Tungsten Heaters -- SB-40170		I. Paulsen	U
E-352	Compensation of Deflection Defocusing in Storage Tubes	6-15-50	H. Klemperer	U
E-353	Signal-Plate Assembly for ST25	4-13-48	R. Shaw	U
E-354	CANCELLED			
E-355	CANCELLED			
E-356	Equipment and Techniques for Inserting Information into WWI	7-12-50	C. Adams	U
E-357	Test Program Number VII,- Alarm Circuits Check	7-28-50	J. Salzer	U
E-358	The Technique for Evaporation of a Beryllium Mosaic	8-2-50	T. Clough	U
E-359	ES Test Programs	9-25-50	G. Cooper	U
E-360	Vacuum Tube Life Experience (Abstract and Appendix of R.-179)	8-8-50	H. Frost	U
E-361	Additions to the Whirlwind I Order Code (October 1949 to August 1950)	8-10-50	C. Adams	U
E-362	Storage Devices in Computing Systems, Text of an M.I.T. E.E. Department, Colloquium Talk	5-3-50	R. Everett	U
E-363	Washing Procedures - Series W	8-15-50	T. Parkins J. Palermo	U
E-364	Construction of Beryllium Evaporation Boiler	11-29-50	T. Parkins R. Adams	U
E-365	Part I: Construction of a Collector Screen for the WWI Storage Tube Part II: Construction of a Mesh Mask for the Beryllium Evaporation Tube	10-31-50	R. Shaw T. Parkins	U

No.6B	Title	Date	Author	Cls.
E-366	The Project Whirlwind High-Vacuum Systems	3-2-51	T. Clough	U
E-367	Construction of a Beryllium-Evaporation Target Assembly	8-17-50	J. Palermo	U
E-368	The Distribution of Capacitance on the Beryllium Mosaic Surface	8-22-50	A. Tanguay	U
E-369	Construction Technique of Electron Guns for the WWI Storage Tube	8-24-50	G. Kaplan	U
E-370	Principle of Operation of Polariscope	8-28-50	R. Shaw	U
E-371	Splicing Nonex to Pyrex Glass to Form a Graded Seal	9-7-50	W. Pickett	U
E-372	Glass Construction of Two-Arm Envelope	9-7-50	W. Pickett	U
E-373	18-Pin Stem Construction	9-7-50	W. Pickett	U
E-374	Heading of Tungsten Wire	9-7-50	W. Pickett	U
E-375	10-Pin Construction	9-7-50	W. Pickett	U
E-376	Preparation of Arms for the Storage Tube Envelope	9-7-50	W. Pickett	U
E-377	Glass Construction of Single Arm Envelope	9-7-50	W. Pickett	U
E-378	Forming Right Angle and U-Bends	9-7-50	W. Pickett	U
E-379	A Coincident-Current Magnetic Memory Unit (Abstract of R-192, A MS Thesis Report)	9-11-50	W. Papian	U
E-380	Operation of Interim Tape Reader Equipment	9-12-50	C. Watt	U
E-381	Dissection, Cleaning and Reassembling of a Glass Vacuum System	10-6-50	L. Nelson T. Parkins	U
E-382	Glass Construction of Evaporation Tube Envelope	9-25-50	W. Pickett	U
E-383	Use of Wet Slicing Machine	9-29-50	W. Pickett	U

No.6E	Title	Date	Author	Cls.
E-384	An Investigation of the Effect of Angle of Beam Incidence and Beam Deflection on Electrostatic Storage Tube Performance (Abstract of MS Thesis Proposal)	9-25-50	K. McVicar	U
E-385	Dynamic Determination of Usable Storage Densities in Storage Tubes (Abstract of MS Thesis Proposal)	9-25-50	H. Frost	U
E-386	CANCELLED			
E-387	Interim Equipment and Techniques for Input, Output, and Control for WWI	10-24-50	C. Adams	U
E-388	CANCELLED			
E-389	Construction of a WWI Storage Assembly	10-31-50	J. Palermo	U
E-390	CANCELLED			
E-391	Operation Matrix: Change Procedure	10-26-50	R. Mayer	U
E-392	Crystal Diode Investigation -- Initial Results	11-2-50	F. Irish	U
E-393	Marginal Checking System, WWI	12-6-50	R. Hunt	U
E-394	Built-In Checking of Control Switch and Operation Matrix	12-22-50	H. Ziegler	U
E-395	Cathode Interface Impedance and its Effects in Aged Vacuum Tubes	1-2-51	H. Frost	U
E-396	Crystal Diode Life Experience in WWI Computer Circuits (Paper Delivered at Conference on Electron Tubes for Computers at Atlantic City, New Jersey December 11, 12, 1950	1-2-51	H. Frost	U
E-397	Some Basic Relay Pulse Circuits of General Interest	1-18-51	C. Watt	U
E-398	CANCELLED			
E-399	Comparision Between IN56A and D-359 Crystals	2-21-51	E. Rich	U

No.6E	Title	Date	Author	Cls.
E-400	The Vacuum Tube Pulse Current Testers	3-15-51	H. Frost	U
E-401	Arc Suppression for Small Electrical Contacts	3-19-51	R. Hunt	U
E-402	Circuitry, Relay Timing, and Operation of WWI Tape Output Equipment	4-10-51	J. Hanson	U
E-403	Television Demonstration Unit, Part I	9-20-51	M. Mann	U
E-404	Plan for the Second Bank of Storage	4-4-51	R. Read	U
E-405	Initial Testing of a Computer Electrostatic Storage System (Abstract of R-195, a MS Thesis)	4-23-51	R. Read	U
E-406	Preliminary Test on the Four-Core Magnetic-Memory Array	6-18-51	W. Papian	U
E-407	Electrolytic Corrosion as a Possible Future Source of Trouble Affecting WWI Reliability	6-25-51	J. Hanson	U
E-408	Transistor Conference, June 12, 1951	7-3-51	J. A. O'Brien	U
E-409	Rational Selection of Vacuum Tube Types for Computer Applications	7-6-51	H. Frost	U
E-410	The Complementary Circuit Method for Determination of Interface Resistance	7-23-51	H. Frost	U
E-411	Additional ES Test Programs	7-24-51	G. Cooper	U
E-412	Washing Procedures - Series W	8-7-51	R. Maglio O. DiPietro	U
E-413	Selection Systems for Magnetic Core Storage	8-7-51	R. Everett	U
E-414	Tracking a Target Moving in a Straight Line with Constant Velocity	8-13-51	K. Bush	C

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E-416	Investigation of Delay Line Failures as a Factor in WWI Reliability	8-13-51	J. Hanson	U
E-417	CANCELLED			
E-418	The Development of an R-F Readout System for Electrostatic Storage Tubes - Part I General Considerations	10-2-51	W. Nolan	U
E-419	The Development of an R-F Readout System for Electrostatic Storage Tubes - Part The Initial WWI System	9-4-51	W. Nolan	U
E-420	Some Observations upon a Method of Determination of Oxide-Coated Cathode Operating Temperatures	9-27-51	H. Frost	U
E-421	Transistor Bibliography	8-28-51	N. Jones	U
E-422	Rectangular-Loop Magnetic Core Materials	9-4-51	W. Papian	U
E-423	A Check List on the Construction of a Beryllium Evaporation Boiler	9-4-51	T. Parkins R. Adams	U
E-424	CANCELLED			
E-425	A Discussion of Soft Solders and Soldering	9-13-51	M. Manderson	U
E-426	An Investigation of Soldering Problems	9-14-51	M. Manderson C. Watt	U
E-427	Initial Standard Tests (Pretest) for WWI Storage Tubes	9-26-51	C. Corderman	U
E-428	Proposed New Order dm (qm), Difference of Magnitudes	10-5-51	R. Mayer	U
E-429	Proposed New Orders cl (qc), Cycle Left	10-8-51	R. Mayer	U
E-430	Order sf, Proposed Modification Involving AR	10-8-51	R. Mayer	U
E-431	500-Volt Power Supplies Used in the Whirlwind Computer	10-17-51	W. Nolan	U

No.6E	Title	Date	Author	Cls.
E-432	A Study of the Holding Beam in the M.I.T. Electrostatic Storage Tube (Abstract of R-198, A MS Thesis Proposal)	10-24-51	J. Ely	U
E-433	Electronic Digital Machines for High-Speed Information Searching (Abstract of R-200, A MS Thesis Proposal)	12-1-51	P. Bagley	U
E-434	Burroughs Test Equipment	10-31-51	R. Best	U
E-435	Study of a Transistor Blocking Oscillator	11-23-51	J. Jacobs, N. Jones, D. Brown	U
E-436	Bibliography on Components and Circuit Fabrication Techniques	12-12-51	B. Paine	U
E-437	Procedure for Fabricating Delay Lines from Bulk Cable	11-29-51	J. Hanson	U
E-438	Binary Counting with Magnetic Cores	12-6-51	D. Buck	U
E-439	Location of Operations dm (cm) and cl (ql); Permanent Operation ex.	12-20-51	R. Mayer C. Adams	U
E-440	WWI Operating Speed	12-21-51	R. Mayer	U
E-441	Standardized Transistor Parameter Measurements	1-3-52	N. Jones J. Jacobs	U
E-442	Analysis of Vacuum Tube Failure Data	1-18-52	H. Frost L. Sutro	U
E-443	Interface Formation in 6AG7 Tubes	1-25-52	H. Frost	U
E-444	Changes in Design of the rc and rd Orders	1-31-52	E. Rich	U
E-445	Improvements to the Model 2 Crystal Tester	2-1-52	B. Paine	U
E-446	Operations 0-5, Revisions	2-4-52	R. Mayer	U
E-447	Transistor Parameter Variations	2-5-52	J. Jacobs N. Jones	U
E-448	Variation of Transistor Collector Resistance Due to Self Heating	2-5-52	J. Jacobs N. Jones	U

No. 6E	Title	Date	Author	Cls.
E-449	The Cadac Computer	2-15-52	E. Emerson A. Werlin	U
E-450	Whirlwind I Terminal Equipment (Talk Given at Digital Computer Laboratory Seminar on January 25, 1952)	2-21-52	E. Rich	U
E-451	Variation of Transistor Collector Resistance with Collector Voltage	3-3-52	R. Callahan N. Jones	U
E-452	Relay and Contact Life Test	3-3-52	R. Hunt	U
E-453	Error Diagnosis Subroutines for Use with Standard Single Length Programs	3-17-52	D. Combelic	U
E-454	Nondestructive Sensing of Magnetic Cores	3-24-52	W. Frank D. Buck	U
E-455	Change in Standard Transistor Collector Current Rise and Fall Time Measurement	3-23-52	N. Jones	U
E-456	Block Diagram of Control for Printers and Paper Tape Units for the Final In-Out System	4-2-52	P. Stephan	U
E-457	Current-Density Distribution in the Fringe Region of a Focused Electron Beam	4-8-52	C. Corderman	U
E-458	The Use of Boolean Algebra in Logical Design	4-15-52	I. Reed R. Jeffrey	U
E-459	CANCELLED			
E-460	The Ferroelectric ~~System~~ Switch	4-16-52	D. Buck	U
E-461	A High-Speed Two-Transistor Flip-Flop	4-24-52	R. Callahan J. Jacobs	U
E-462	Design of a Digital Computer by Boolean Algebra	5-20-52	I. Reed R. Jeffrey	U
E-463	Introduction to the Theory of Semiconductors I, Some Remarks on Quantum Mechanics	6-24-52	D. Eckl	U
E-464	A Squareness Ratio for Coincident-Current Memory Cores	7-17-52	D. Brown	U

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E-465	CANCELLED			
E-466	Operation of the In-Out Element	2-26-54	E. Rich G. Young	U
E-467	CANCELLED			
E-468	Introduction to the Theory of Semi-conductors II, A Brief Discussion of Statistical Mechanics	7-28-52	D. Eckl	U
E-469	Visual Display Facilities in the Final WWI Input-Output System	8-5-52	J. Forgie	U
E-470	Paper on Ferromagnetic and Ferro-magnetic ~~electric~~ Memory Devices	8-6-52	W. Papian	U
E-471	Reliability of Multiple Computers	8-13-52	R. Everett	C
E-472	The Mirror: A Proposed Simplified Symbol for Magnetic Circuits	8-14-52	R. Mayer	U
E-473	Input Program, September, 1952	8-21-52	C. Adams	U
E-474	Introduction to the Theory of Semiconductors III, Conduction in Metals: The Field-Free Case	8-28-52	D. Eckl	U
E-475	A Magnetic-Core Gate and its Application in a Stepping Register	10-30-52	G. Briggs	U
E-476	CANCELLED			
E-477	Magnetic and Dielectric Amplifiers	8-28-52	D. Buck	U
E-478	Seac Logic anc Circuits	7-31-52	R. Best J. Jacobs	U
E-479	Basic Conversion Program, September, 1952	9-4-52	M. Rotenberg	U
E-480	Experience with General Electric G11A Transistors	9-17-52	J. Jacobs	U
E-481	Toggle Switch Inputs and Indicator Light Outputs as External Units	9-17-52	G. Young	U
E-482	Operation of Magnetic Tape Units	9-11-52	B. Morris	U

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E-483	Results of Transistor Thermal Experiments	9-17-52	R. Schmidt	U
E-484	Policy on Outside Users of Whirl-wind I	9-29-52	C. Adams	U
E-485	Transistor Test Equipment	10-14-52	E. Cohler	U
E-486	Data Screening; Division 6 Quarterly Report of August,1952	9-30-52	R. Walquist	C
E-487	Notes on the Logical Design of the IBM 701 Computer	10-8-52	R. Mayer	C
E-488	Delta$_{ns}$ In Ceramic Array #1	10-14-52	E. Gudits	U
E-489	Oscilloscope Calibrator	10-15-52	B. Smulowicz	U
E-490	An Octal-Decimal Slide Rule	10-14-52	R. Mayer	U
E-491	Hysteresis Loop Characteristics of MF-1118 for Different Tempe-ratures	10-16-52	C. Morrison	U
E-492	Introduction to the Theory of Semiconductors IV, Quantum Sta-tes in Crystals. The Bound Elec-tron Case	10-22-52	D. Eckl	U
E-493	CANCELLED			
E-494	Modification of the Dumont 304-H Oscilloscope to Reduce Drift En-countered in WWI Display	10-29-52	D. Neville	U
E-495	CANCELLED			
E-496	Instructions and Specifications for the Manufacture of 3:1 and 1:1, 0:1 Microsecond Pulse Trans-formers on Ferrite Ring Cores	11-3-52	R. Hunt	U
E-497	External Control Box for WWI Display Oscilloscopes	11-5-52	D. Neville	U
E-498	An Electronic Holding Circuit	11-12-52	J. A. O'Brien	U
E-499	Operation of the Block Transfer Orders	11-13-52	B. Morriss	U
E-500	Switch-Core Analysis I	11-4-52	A. Katz E. Gudits	U

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E-501	Pretest Procedures for 700-Series Storage Tubes	11-20-52	C. Corderman D. Fisher	U
E-502	Computer Program Synthesis Based on Statistical Communication Theory (Abstract of R-210, A MS Thesis Proposal)	11-20-52	A. Katz	U
E-503	A Magnetic Matrix Switch and Its Incorporation into a Coincident-Current Memory (Abstract of R-211, A MS Thesis Proposal)	11-20-52	K. Olsen	U
E-504	Ferroelectrics for Digital Information Storage and Switching (Abstract of R-212, A MS Thesis Proposal)	11-2052	D. Buck	U
E-505	A High-Speed Counter Employing Transistors (Abstract of R214, A MS Thesis Proposal)	11-20-52	J. Jacobs	U
E-506	Effects of Ions in the M.I.T. Electrostatic Storage Tube (Abstract of MS Thesis Proposal)	11-24-52	H. Jacobowitz	U
E-507	Triggering Requirements for a Single Transistor Flip-Flop	1-28-53	N. Pribble	U
E-508	A High-Speed Flip-Flop Circuit Using Junction Transistors (Abstract of a MS Thesis Proposal)	11-24-52	A. Heien	U
E-509	Comparison of Single Address Order Times for Computers Using IBM,NBS, and WW Types of Arithmetic Elements with Magnetic Memory	12-9-52	J. Jacobs	C
E-510	Design of Low-Power Pulse Transformers Using Ferrite Cores (Abstract of R-217, A MS Thesis Proposal)	11-24-52	R. Robinson	U
E-511	The Four-Digit Transistor Accumulator	12-4-52	R. Callahan D. Eckl	U
E-512	A Method for Acceptance Testing of Ferrite Core Production Lots	12-4-52	P. Blatzer	U
E-513	CANCELLED			

No.6E	Title	Date	Author	Cls.
E-514	Electronic Selection and Control of Read-Record Heads of Magnetic-Tape Units (Abstract of R-219, A MS Thesis Report)	12-15-52	J. A. O'Brien	U
E-515	The Technique for Evaporation of a Beryllium Mosaic	12-16-52	T. Clough	U
E-516	Comprehensive System of Service Routines (CS): Errata, Clarifications and Cautions.	4-28-53	H. Uchiyamada	U
E-517	A Transistor Pulse Standardizer	1-21-53	E. Cohler	U
E-518	New Metallic Cores from Magnetic Metals	1-2-53	A. Hughes	U
E-519	General Ceramics Materials, MF-1348B and MF-1359B	1-5-53	D. Brown	U
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E-525	Normalized Flip-Flop Chart	2-17-53	H. Boyd	U
E-526	High-Speed (5965) Flip-Flop	2-24-53	H. Boyd	U
E-527	Whirlwind Power Supply Control System Additions for the Control of Power to the M.I.T.E., Buffer Drum and Auxiliary Drum Systems	2-19-53	G. Sandy	U
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E-532	Nucleation of Domains of Reverse Magnetisation and Switching Characteristics of Magnetic Materials	3-9-53	N. Menyuk J.Goodenough	U
E-533	Effect of Current Pulse Duration on the Pulse Response of M. T. C. Memory Cores	3-10-53	P. Baltzer	U
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E-536	Diagnostic Programs and Marginal Checking in the Whirlwind I Computer (Text of Paper Presented at the New York Convention of the Institute of Radio Engineers on March 24,1953)	3-24-53	N. Daggett E. Rich	U
E-537	1953 Test Storage Input Program	4-7-53	J. Frankovich	U
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E-541	Transistor Collector Characteristic Curve Plotter	11-8-53	L. Riley I. Aronson D. Eckl	U
E-542	Timing Diagrams for MTC Control	5-5-53	R. Hopkins	U
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E-548	Preliminary Report -- Temperature Effects in MTC-Type Ferrite Cores	6-26-53	J. Childress	U
E-549	Basic Conversion Program	7-2-53	H. Briscoe	U
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