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R-E-S-T-R-I-C-T-E-D
SECURITY INFORMATION

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Document Bulletin #302
7 August 1953

R-E-S-T-R-I-C-T-E-D
SECURITY INFORMATION

1. Aerojet-#716(af-19589) C Report on Injector Tests XLR59-AJ-5 Rocket. 7 Jul 53.
2. Altec-4PR-3(sc-42501) U Research Study of Transistor Preamplifier for Dynamic Microphones. 1 January - 1 April 1953.
3. Amperex-FR(sc-96) U Final Report on Electron Tube Clipper Diode Rectifier, Liquid Cooled. June 1950-March 1952.
4. Amperex-MPR #1(NObsr-63255) R Monthly Progress Report on the Development of Two 500 Watt Pulsed Magnetron oscillators Tunable Over the Ranges of 2700 - 3100 and 3100 - 3600 Megacycles/second. 30 June 1953.
5. Balco-IR-1(af-22861) U Interim Report on Miniaturized High-Efficiency R-F Filters. 29 December 1952 - 29 March 1953.
6. Battelle-IER-14(af-8744) U Interim Engineering Report on a Search for New Resistive Materials for High-Stability High-Temperature Operating Resistors. 10 January - 10 April 1953.
7. Battelle-FR(10) (sc-123) R Tenth and Final Progress Report on Continuous-Tone Electrostatic Electrophotography. 1 January 1952 - 31 December 1952.
8. Battelle-IER-7(af-23704) U Interim Engineering Report on Research on Point-Contact Field-Controlled Semiconductor Devices. 11 Dec 52 - 11 Mar 53.
9. Bu/Standards-2558 U Report on Eddy-Current Mutual-Inductance Transducers with High-Conductivity Reference Plates. 15 June 1953.
10. Cinch Mfg - FBR(af-3836) U Final Engineering Report on Noval and Octal Sealed Tube Sockets. 28 May 1953.
11. CIT-M-20-79(ord-18) C Memorandum on Some Physical-Chemical Studies of System Hydrazine Hydrazine Nitrate-Water. 30 December 1952.
12. CIT-M-20-80 (ord-18) S Memorandum on a Comparison of 150-Mile-Range, Rocket-Vehicle Propulsion Systems. 3 April 1953.
13. Collins Radio-CRR-126(af-458) C Engineering Report on Rhombic Antenna Pattern Measurements. 31 October 1952.

14.	Dictaphone Corp-FR(sc-15408)	U	Final Report on the Development of Portable 5 Hour Magnetic Tape Sound Recorder-Reproducer Set AN/PNQ-2(XC-1). 31 August 1951 - 31 May 1953.
15.	Edwards AFB-TR-AAFTC 52-13	U	Technical Report on Use of Corrected Non-Dimensional Parameters for Standardizing Jet Aircraft Rate-of-Climb Data. May 1953.
16.	Electro-Mechanics-IER-1(af-481)	U	Interim Engineering Report on a Technique for the Measurement of Spurious Radiation. 16 March - June 1953.
17.	Eng Res & Dev-1261	S	Final Report on Providing Near Infrared Reflectance to Static Simulation Devices, "Irving". 28 October 1952.
18.	Eng Res & Dev-1270	S	Report on Camouflage Aspects of the 1952 "Leaflet II" Troop Tests of Near Infrared Driving and Gunnery Equipment (0.9 to 1.2 Microns). 3 December 1952.
19.	Ferro Chem-FPR(sc-15551)	U	Final Progress Report on Research Investigations on Photo-sensitive Vinyls. 15 May 1952 - 14 May 1953.
20.	Franklin Inst-IR-1 Feb-31 May 53 (NObsr-52592)	R	Interim Report on Cathode Research. 1 Feb - 31 May 53.
21.	Gen'l Prec Lab-All-51, Suppl (ac-14192)	C	Automatic Navigator AN/APN-66. Supplement to Engineering Report All-51.
22.	Greer-IER-7(af-22922)	R	Interim Engineering Report on Radio Beacon AN/ART-27(XA-1); Housing and Associated Orienting and Antenna Erecting Mechanisms. 15 January 1953.
23.	Greer-IER-8(af-22922)	R	Same - dated: 15 March 1953
24.	Greer-IER-9(af-22922)	R	Same - dated May 1953.
25.	Gulton Mfg-QR-1(ac-42716)	U	Quarterly Report on Accelerometers for Equipment Environmental Check. 15 March - 14 June 1953.
26.	Kollsman Instr-QTR-4(sc-15543)	R	Quarterly Technical Report on X-Band Multi-Channel Receiver Set (Non-Scanning). 21 January 1953-21 April 1953.

27. Lincoln Lab-TR-21(af-458) S Technical Report on Correlation Analysis of VHF Signals. 18 May 1953.
28. Linfield College-IER-3(af-304) R Interim Engineering Report on Field Emission and Its Application. 10 April - 10 July 1953.
29. Litton Ind-28-8(af-23064) U Interim Engineering Report on L-3028 Magnetron. 1 Jan - 1 Apr 53.
30. W.L. Maxson-4003-5(af-16791) R Interim Engineering Report on Radio Beacon AN/ART-27(XA-2) 1 February - 31 March 1953.
31. MIT-PR-13(or1-07801) U Progress Report by Laboratory for Insulation Research. Jun 53/
32. NADC-EL-L5305 U Final Report on Measurement of Electronic Equipment Under-Chassis Temperatures. 16 June 1953.
33. NADC-EL-L-5386 U Final Report on Evaluation of Preproduction Vacuum Tube Voltmeter TS-375A/U Manufactured by Stuart F. Louchheim Co. 15 June 1953.
34. Nuclear Dev Asso-26 Jan 52 (AT-862b) U Report on Angular Momentum, by J. Schwinger. 26 Jan 52.
35. NYU-RR-BR-3(af-367) U Research Report on Algebraic Aspects in the Theory of Systems of Linear Differential Equations. June 1953.
36. Ohio State-6(af-41) U Report on Fluctuations of Starlight and Skylight. 1 January-31 March 1953.
37. Ohio State-487-3(af-160) U Report on Rhombic Slot Antenna (Task No. 9). 15 May 53.
38. Ohio State-45(so-14987) U Report on Forced-Air Crossflow Cooling of Electronic Units. February 1953.
39. Penn State-PR(sc-21) U Final Report on Stroboscopic X-Ray Studies of Oscillating Crystals. 2 February 1950 - 1 February 1953.
40. Raytheon-4R-1(af-636) U Quarterly Report on Microwave Noise Study. 1 Feb - 1 May 53.

41.	RCA-LB-918	U	Circuit Diagram RCA Developmental Color Television Receiver. 23 July 1953.
42.	RCA-QR-7(sc-15401)	U	Quarterly Report on Development of Plasmatron Gaseous Discharge Tubes. 1 March -31 May 1953.
43.	Rice Inst-QR-3(sc-42490)	U	Quarterly Report on Factors Affecting Life Characteristics of Metallic Rectifiers. 1 January - 31 March 1953.
44.	Rutgers/U-QTR-3(sc-42480)	U	Quarterly Technical Report on the Growth and Investigation of Ferroelectric and Antiferroelectric Crystals. 1 Mar-1 Jun 53.
45.	SCEL-TDC I-42921-43020	R	Technical Documents Center Index of Signal Corps Engineering Laboratories.
46.	Sprague Elec-FR(sc-181)	U	Final Report on Power Line Filters. April 1953.
47.	Stanford/U-TR-19(onr-25132)	C	Technical Report on the Theory of Cyclon Detectors and Mixers. 10 April 1953.
48.	Tracerlab-QPR-3(sc-42549)	R	Quarterly Progress Report on Investigations on Utilization of Radioactive Energy as a Source of Battery Power. 1 February - 30 April 1953.
49.	U/Chicago-BMFR-12(af-15068) Supplement 2	R	Bimonthly Progress Report of the Advisory Board on Simulation. December 1952 - January 1953.
50.	U/Chicago-BMFR-13(af-15068) Supplement 2	R	Bimonthly Progress Report of the Advisory Board on Simulation. February - March 1953.
51.	U/Maryland-26 Jun 53(onr-879(00)	U	Vacuum Fluctuation Effects in Circuits and Electron Streams. 26 June 1953.
52.	U/Michigan-UMR-80(ac-14222)	S	Progress Report on Project Wizard. 1 Dec 52 - 28 Feb 53.
53.	U/Michigan-QR-7(sc-15357)	U	Quarterly Report on Natural Mica Studies. 1 Mar - 31 May 53.
54.	WADC-TR-52-105	U	Technical Report on Rain Erosion of Materials. December 1952.

55. WADC-TR-52-142 U Technical Report on Post-Molding Shrinkage Characteristics of Some Thermosetting Plastic Molding Materials. May 1953.
56. WADC-TR-52-239 U Technical Report on RF Oscillator O-(XA-5)/U. September 1952.
57. WADC-TR-53-26 U Technical Report on Investigation of Heat Treatment of Commercial Titanium Base Alloys. April 1953.
58. WADC-TR-53-67 U Technical Report on Determination of Hydrogen and Oxygen in Inert Gases. May 1953.
59. WADC-TR-53-79 R Technical Report on Chlorine and Fluorine Containing Compounds for Nonflammable Materials. May 1953.
60. WADC-TR-53-174 U Technical Report on Evaluation of Shields for Cooling Miniature Electron Tube Types. June 1953.
61. WADC-TR-5936, Part 2 U Technical Report on Elevated Temperature Fatigue Testing of Turbine Buckets. March 1953,
62. WADC-TR-6731, Part 2 U Technical Report on Short-Time Properties of Structural Sheet Materials for Aircraft and Missiles. May 1953.