

Record Series Number



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Engineering
Electrical Engineering
Air Force Contract Research Reports, 1947-63, 1970-

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Box 1:

Contract AF 18(600)-23, Electron Tube Research Lab
"Local Oscillator Tubes"
Report #1 December 1, 1951
#2 March 1, 1952
Engineering Report 1-1 April 1, 1952
Contract AF 18(600)1018, Project R-115-032 Electron Tube Research Lab Quarterly Report
"The Time Element in Photoelectric Emissions"
Report #2 June 15, 1954
#3 August 30, 1954
#4 November 30, 1954
#5 February 28, 1955
#6 May 31, 1955
#7 August 31, 1955
#8 November 30, 1955
#10 May 30, 1956
#11 August 30, 1956
#12 November 30, 1956
#13 February 28, 1957
#14 May 31, 1957
#15 August 31, 1957
Technical Note #1-1 (2) March 15, 1955
#1-2 March 1957
Final Technical Report June 1958
Contract AF 18(600)-1310, Task 47502
"Alteration of Semiconductor Surface Characteristics by the Diffusion of Impurities"
Technical Status Report #2 March 14, 1955
#3 June 30, 1955
Technical Note #4 August 1958
Contract AF 18(603)-62, Project 47501 Ultramicrowave Section Technical Status Report
"High Energy Bunched Electron Beams"
Report #1 June 1, 1956
#2 September 1, 1956
#3 December 1, 1956
#4 March 1, 1957
#5 June 1, 1957
#6 September 1, 1957
#10 (2) September 1, 1958
#11 December 1, 1958
Technical Note #1 December 1, 1956
Technical Operating Report #7 December 1, 1960
Technical Note #2 January 15, 1960

Contract AF 19(122)-5, Electron Tube Section	
"Millimeter Wave Research"	
Interim Report #5-3	July 30, 1949
Chapter 2	
Chapter 3	
Chapter 4	
Final Report	August 15, 1952
Contract AF 19(604)-524, Project 4156, Task 46310	
Electron Tube Research Section	
"Physical Electronics"	
Quarterly Report #2	April 15, 1953
#4 (2)	October 15, 1953
#11	July 15, 1955
#12	October 15, 1955
#15	June 15, 1956
#16	September 15, 1956
#17	December 15, 1956
Final Report	May 31, 1959
Technical Report #1-1	March 1953
#2	February 1954
#3	October 31, 1954
#4	April 15, 1955
#5	May 15, 1955
#6	July 15, 1955
#8	December 10, 1955
#9	February 28, 1956

Box 2:

Contract AF 19(604)-2152, Gaseous Electronics Section, Project 4156, Task 46310	
"Gaseous Electronics"	
Quarterly Status Report #2	July 1, 1957
#3	October 14, 1957
#5	April 14, 1958
#6	July 15, 1958
#7	June 16, 1958
#8	January 15, 1958
#12	December 15, 1959
#13	March 15, 1959
#15	September 30, 1960
Scientific Report #1	June 1, 1957
#2	August 10, 1957
#3	September 30, 1957
#4	May 15, 1958
#5	September 25, 1958
#7	September 1, 1959
#8	November 1, 1960
Contract AF 19(604)-3481	
"Electromagnetic Wave Interaction Techniques"	
Quarterly Status Report #2	October 31, 1958
#3	January 31, 1959
#4	May 1, 1959
#5	July 31, 1959
#6	October 31, 1959

#10	October 31, 1960
#11	January 31, 1961
#12	April 30, 1961
#13	July 31, 1961
#14	October 31, 1961
#15	January 31, 1962
#16	April 30, 1962
#17	July 31, 1962
Final Report	October 1963
Contract AF 19(604)-5565	
Scientific Report #2	July 15, 1960
#3	March 15, 1961
#4	January 18, 1962
#5	May 1, 1962
Final Report	August 1962
Contract AF 19(604)-7411, Gaseous Electronics Laboratory, Projects 5561, 4619, and 91305, Tasks 46304, 46191	
Quarterly Status Report #2	January 15, 1961
Scientific Report #1	May 15, 1962
Final Report	August 1962
Scientific Report #2	June 1962
#3	July 30, 1962
#4	March 1963
Contract AF 19(604)-7473, Project 5634, Task 46191	
"Scattering of Ruby Laser Light by Gases"	
Gaseous Electronic Laboratory Scientific Report and Final Report	October 1963
Contract AF 19(606)-5565	
Scientific Report #1	April 26, 1960
Contract AF 33(038)-12644, OSR Project 52-670A-85	
"Semiconductors"	
Technical Status Report	June 4, 1955
Technical Note #1	July 31, 1955
#2	August 1, 1955
#8	March 15, 1956
Contract AF 19(628)-3307	
Scientific Report #1	December 1963
Contract AF 19(628)-3819	
Technical Report #1-4	April 1964
#9	November 1964 - May 1966
Contract AF 33(038)-21255, OSR Project R-355-10-3	
"Non-Metal Thin Films"	
Progress Report #1	July 15, 1951
#2	October 15, 1951
#3	January 15, 1952
Technical Status Report #16	April 15, 1955
Technical Note #1	January 25, 1957
Final Technical Report	April 15, 1958
Contract AF 33(615)-1459	
Charged Particle Research Lab Report	April 1965
Parametric Studies of Electrohydrodynamic Spraying	June 19, 1965
Quarterly Report #1	April 1953
#2	undated
#4	January 1954
#5	April 1954

#6	August 1954
#7	October 1954
#8	January 1955
#9	April 1955
#10	May 1955
#11	October 1955

Box 3:

Contract AF 33(616)-310, Antenna Section
R-112-110-SR-6F2 "Antennas"

Technical Report #1

#2	October 1954
#3	February 1, 1955
#4	April 30, 1955
#5	June 1, 1955
#6	June 30, 1955
#7	August 20, 1955
#7	October 10, 1955

Contract AF 33(616)-3220, Project 6(7-4600), Task 40572

Technical Report #9

#10	April 15, 1956
#11	May 10, 1956
#12	July 15, 1956
#14	September 30, 1956
#15	December 20, 1956
#16	January 5, 1957
#18	January 15, 1957
#19	April 20, 1957
#23	May 1, 1957
#25	August 10, 1957
#30	August 15, 1957
#32	February 20, 1958
#32	May 25, 1958

Quarterly Report #1

#2	February 1956
#8	April 1956
#9	November 1957
#10	February 1958
#11	May 1958
#11	August 1958

Contract Af 33(616)-2449

R-112-52 ST-612 "Generation and Detection of Radiation"

Quarterly Progress Report #2

#4	November 15, 1954
#6	May 15, 1955
Final Report	November 15, 1955
Final Report	May 30, 1956

Contract AF 33(616)-6079

Technical Report #36

#38	April 30, 1959
#40	June 5, 1959
#41	July 17, 1959
#49	August 1, 1959
#49	January 25, 1961

Contract AF 33(616)-7043, Ultramicrowave Section, Project 5237, Task 42016
"Megavolt Electronics"

Annual Report

March 1, 1961

Technical Note #1	January 10, 1961
Contract AF 33(616)-10224, Project 5237, Task 523701 "Deflection Modulation and Millimeter Waves"	
Ultramicrowave Section Technical Document Report	April 15, 1963
Contract AF 33(657)-8460	
Technical Report #55	May 1962
#56	June 1962
#59	July 1962
Contract AF 33(657)-10224	
Technical Report	July 1964
 <u>Box 4:</u>	
Contract AF 49(638)-63, Circuit Theory Group, Project 47501 "Transistor RC Network Synthesis"	
Technical Note #1	March 15, 1957
#2	April 15, 1957
#3	May 1, 1958
#4	May 5, 1958
Research Summary	December 31, 1960
Contract AF 49(638)-556, Project 9768, Task 37650 "Electron Multiplication"	
Technical Note #1	undated
Interim Final Report	1962
Contract AF 49(638)-579 "Lifetime of Excited F. Center"	
Technical Report #9	November 1961
AF Grant	July 1964
Technical Report #6	December 1965
Contract F 19628-69-C-0015	
Scientific Report #1	April 1969
#2	May 1969
Final Report	February 1970
Contract F 19628-70-C-0001, Project 4643, Ionosphere Radio Lab	
Technical Report #41	September 1970
Contract F 19628-71-C-0013, Project 4643, Ionosphere Radio Lab	
Final Report	October 1973
Contract F 19628-72-C-0199, Solid State Electronics Laboratory, Project 5638, Task 563801 "Silicon Extrinsic Detectors" (cover only)	
Scientific Report #1	November 28, 1973
Contract F 19628-74-C-0044	
Final Report	June 1976
Contract F 19628-75-C-0088	
Final Report	December 1976
Contract F 19628-77-C-0108	
Final Report	April 1978
Contract W33-038-ac-14538, Electron Tube Section "Microwave Oscillators"	
Progress Report #12	May 27, 1948
#18	June 27, 1949
#19	August 27, 1949
#20	October 27, 1949
#21	December 27, 1949
#22	February 27, 1950

Technical Report #1	April 27, 1951
#2	April 27, 1951
#3	April 27, 1951
#4	April 27, 1951
#5	April 27, 1951
Final Report	October 1, 1951
Contract W19-122-ac-18	
Report TR-1	December 1, 1949
Contract W33-038-ac-14742, Electron Tube Section	
"Wide-Range Tunable Local Oscillator Tubes"	
Progress Report #10	November 30, 1947
#11	January 31, 1948
#12	March 31, 1948
#13	May 31, 1948
#14	July 31, 1948
#15	September 30, 1948
#22	December 3, 1949
Contract W33-038-ac-20778	
Report IR #4	January 5, 1949
#5	February 20, 1949
Report IR #1	March 28, 1951
#2	July 1, 1951
#3	October 1, 1951
#4	January 1, 1952
#5	April 1, 1952
#6	July 1, 1952
#7	October 1, 1952
Contract W33-038-ac-20779	
Interim Report	September 15, 1948
Interim Report	November 16, 1948
Final Report	June 30, 1951
Contract W33-039-ac-38202	
Report #1	October 1, 1949
#2	January 1, 1950
#3	April 1, 1950
Final Report	July 15, 1950