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## Guide to the William R. Rambo Papers

Daniel Hartwig

Stanford University. Libraries. Department of Special Collections and University Archives

Stanford, California

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**Note**

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## Overview

**Call Number:** SC0132

**Creator:** Rambo, William R. (William Ralph), 1916-

**Title:** William R. Rambo papers

**Dates:** 1939-1992

**Bulk Dates:** 1954-1974

**Physical Description:** 35 Linear feet (29 boxes)

**Summary:** These papers, kept in their original arrangement, reflect Prof. Rambo's administrative responsibilities as well as his research interests, largely during his time at Stanford University. Stanford subjects include the School of Engineering, the Electrical Engineering Department, the Stanford Electronic Labs, the Applied Electronics Lab, research policy at Stanford, courses, the Academic Senate, the University Land and Building Development Committee, and student demonstrations. Other subjects include the American Society for Engineering Education, Engineering College Research Council, Joint Services Electronic Program, and Rambo's research work with the U.S. Army, Air Force, and Navy.

**Language(s):** The materials are in English.

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**Repository:** Department of Special Collections and University Archives

Green Library

557 Escondido Mall

Stanford, CA 94305-6064

Email: [specialcollections@stanford.edu](mailto:specialcollections@stanford.edu)

Phone: (650) 725-1022

URL: <http://library.stanford.edu/spc>

Gift of William R. Rambo, 1975, 1976, 1997.

### Information about Access

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### Cite As

William R. Rambo Papers (SC0132). Department of Special Collections and University Archives, Stanford University Libraries, Stanford, Calif.

### Biographical/Historical Sketch

William R. Rambo was born September 3, 1916. He received his B.A. and Electrical Engineering degrees from Stanford University in 1938 and 1941. He was a research associate at the Harvard Radio Research Lab and a research engineer with Airborne Instruments Lab in New York before coming to Stanford as a research associate in 1951. He was made a Professor of Electrical Engineering in 1957, Director of Electronics Labs in 1960, and Associate Dean of the School of Engineering in 1961. He retired as a Professor Emeritus in 1972.

### Description of the Collection

These papers, kept in their original arrangement, reflect Prof. Rambo's administrative responsibilities as well as his research interests, largely during his time at Stanford University. Stanford subjects include the School of Engineering, the Electrical Engineering Department, the Stanford Electronic Labs, the Applied Electronics Lab, research policy at Stanford, courses, the Academic Senate, the University Land and Building Development Committee, and student demonstrations. Other subjects include the American Society for Engineering Education, Engineering College Research Council, Joint Services Electronic Program, and Rambo's research work with the U.S. Army, Air Force, and Navy.

The first twenty boxes were given to the Stanford University Archives by Prof. Rambo in 1975 and 1976. In 1997, he gave an additional nine boxes of materials containing his chron files for 1961-72 and subject files and a photo album on student

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umest at Stanford, 1966-73. Dr. Rambo's descriptive inventory for the student unrest files is included with the box and folder listing.

### **Scope and Contents**

Common abbreviations used in this collection

AEL - Applied Electronics Lab ARPA - Advanced Research Projects Agency ASEE - American Society for Engineering Education ASSU - Associated Students of Stanford University DoD - Department of Defense DSL - Digital Systems Lab DUR - Durand Bldg. ERL - Electronics Research Lab IEEE - Institute of Electrical & Electronic Engineers, Inc. IPR - Institute for Plasma Research ISL - Information Systems Lab JSEP - Joint Services Electronics Program McC - McCullough Bldg. NASA - National Aeronautics and Space Administration N.I.G.M.S. - National Institute of General Medical Sciences NSF - National Science Foundation SEL - Stanford Electronics Laboratories SES - Student Education Council SLAC - Stanford Linear Accelerator Center SRI - Stanford Research Institute STL - Systems Techniques Lab TAC - Technical Advisory Committee (Joint Services Electronics Program)

### **Arrangement note**

The collection consists of one series and one addition: 1. Papers, 1939-1975.

### **Access Terms**

Rambo, William R. (William Ralph), 1916-  
Stanford Electronics Laboratories.  
Stanford University. Academic Council.  
Stanford University. Applied Electronics Laboratory.  
Stanford University. Department of Electrical Engineering. Faculty.  
Stanford University. Faculty Senate.  
Stanford University. School of Engineering.  
Stanford University. Stanford Electronics Laboratories.  
Engineering research.  
Student movements.

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## **Original Accession 1939-1975**

### **Arrangement**

The series is arranged in twenty three subseries: 1. Electrical Engineering Department, 1966-1971. 2. School of Engineering, undated. 3. Space Engineering Building, 1964-1968. 4. Field sites, 1961-1968. 5. Buildings, 1960-1968. 6. University, 1963-1970. 7. Student records, 1964-1971. 8. Courses, 1962-1968. 9. Personnel, undated. 10. Correspondence - foreign, undated. 11. Electrical Engineering Department, 1964-1966. 12. Academic Council, undated. 13. School of Engineering, 1964-1972. 14. University, 1950-1975. 15. ASEE [American Society for Engineering Education], 1964-1971. 16. Telecommunication Science Panel, 1966. 17. Teaching Library, 1955-1969. 18. University, personal & miscellaneous material, 1953-1971. 19. JSEP [Joint Services Electronics Program], 1963-1972. 20. University, 1961-1972. 21. School of Engineering: Stanford Electronic Labs; consulting and research, 1949-1973. 22. Speeches and articles (arr. chronologically), 1945-1974. 23. Personal and miscellaneous material, 1939-1974.

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## **Electrical Engineering Department 1966-1971**

### **Note**

See also boxes 5 and 13.

Box 1, Folder 1  
Box 1, Folder 2  
Box 1, Folder 3  
Box 1, Folder 4  
Box 1, Folder 5

**Pantell Committee Report Undated**  
**Annual Report to the President Undated**  
**Executive Comm. Minutes 1966-1967**  
**Bell Telephone Undated**  
**Stores Committee Undated**

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Box 1, Folder 6	<b>Dept. EE Exec. Committee 1971</b>
Box 1, Folder 7	<b>Dept. EE Exec. Committee - McC 240 1970 Oct 21</b>
Box 1, Folder 8	<b>Dept. EE Exec . Committee 1970</b>
Box 1, Folder 9	<b>Miscellaneous Undated</b>
Box 1, Folder 10	<b>Executive Committee 1968-1969</b>
Box 1, Folder 11	<b>Faculty meetings Undated</b>
Box 1, Folder 12	<b>Faculty 1968-1969</b>
Box 1, Folder 13	<b>Executive Comm. Minutes 1967-1968</b>
Box 1, Folder 14	<b>Ph.D candidates 1966</b>
Box 1, Folder 15	<b>Post masters admission corrsp. Undated</b>
Box 1, Folder 16	<b>Procedures re PhD program, etc. Undated</b>
Box 1, Folder 17	<b>Dave Bacon Undated</b>
Box 1, Folder 18	<b>Barry, George H. Undated</b>
Box 1, Folder 19	<b>Appointment - Dr. Alfred Braun 1968</b>

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### **School of Engineering Undated**

#### **Scope and Content Note**

Individual files are undated.

Box 1, Folder 20	<b>Buneman, Oscar</b>
Box 1, Folder 21	<b>Cox, Donald</b>
Box 1, Folder 22	<b>Cover, Thomas</b>
Box 1, Folder 23	<b>Cumming, Raymond C.</b>
Box 1, Folder 24	<b>Crawford, Frederick W.</b>
Box 1, Folder 25	<b>Debra, Daniel B.</b>
Box 1, Folder 26	<b>Dunn, Donald A.</b>
Box 1, Folder 27	<b>daRosa, Alda</b>
Box 1, Folder 28	<b>Derfler, Heinrich (Pending)</b>
Box 1, Folder 29	<b>Goodman, Joseph</b>
Box 1, Folder 30	<b>Grace, Donald J. (Assoc. Dean)</b>
Box 1, Folder 31	<b>Howard, H. Taylor</b>
Box 1, Folder 32	<b>Kailath, Thomas</b>
Box 1, Folder 33	<b>Kincheloe, Wm. Robert, Jr.</b>
Box 1, Folder 34	<b>Kino, Gordon Stanley</b>
Box 1, Folder 35	<b>Luenberger, David</b>
Box 1, Folder 36	<b>May, Bill B. (Dr.)</b>
Box 1, Folder 37	<b>Moll, John</b>
Box 1, Folder 38	<b>Biographies</b>
Box 1, Folder 39	<b>Faculty appt. forms ( pgs. 1-9)</b>
Box 1, Folder 40	<b>Self, Dr. Sidney</b>
Box 1, Folder 41	<b>Spicer, Wm. E.</b>
Box 1, Folder 42	<b>Smallwood, Richard</b>
Box 1, Folder 43	<b>Terman, F.T.</b>
Box 1, Folder 44	<b>Waterman, A.T., Jr.</b>
Box 1, Folder 45	<b>Weaver, Charles S.</b>
Box 1, Folder 46	<b>Villard, Oswald G., Jr.</b>

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### **Space Engineering Building 1964-1968**

Box 2, Folder 1	<b>Proposal to NASA Undated</b>
Box 2, Folder 2	<b>Use Agreement Undated</b>
Box 2, Folder 3	<b>Corrsp. 1966</b>
Box 2, Folder 4	<b>Corrsp. 1964-1966</b>
Box 2, Folder 5	<b>Building 530/540 corrsp. 1966-1968</b>

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### **Field sites 1961-1968**

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Box 2, Folder 6	<b>Correspondence 1964-1968</b>
Box 2, Folder 7	<b>Printed matter/maps Undated</b>
Box 2, Folder 8	<b>Correspondence 1961-1963</b>
Box 2, Folder 9	<b>Field site/freeway/problems Undated</b>
Box 2, Folder 10	<b>Parking/storage/antennas Undated</b>

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**Buildings 1960-1968**

Box 2, Folder 11	<b>Building correspondence, miscellaneous Undated</b>
Box 2, Folder 12	<b>Design Engineering Bldg., corresp. Undated</b>
Box 2, Folder 13	<b>New buildings - requirements Undated</b>
Box 2, Folder 14	<b>Engineering Bldg. - miscell. Undated</b>
Box 2, Folder 15	<b>Engineering Library study Undated</b>
Box 2, Folder 16	<b>Engineering Bldg. 1960-1961</b>
Box 2, Folder 17	<b>Chemical Engineering Bldg. Undated</b>
Box 2, Folder 18	<b>McCullough Bldg. - furnishings Undated</b>
Box 2, Folder 19	<b>McCullough Bldg. - fume hoods Undated</b>
Box 2, Folder 20	<b>McCullough Bldg. - Policy Comm. Undated</b>
Box 2, Folder 21	<b>McCullough - misc. 1964-1966</b>
Box 2, Folder 22	<b>McCullough Bldg. - space assignments Undated</b>
Box 2, Folder 23	<b>McCullough Engineering Bldg. 1962-1963</b>
Box 2, Folder 24	<b>McCullough - dedication Undated</b>
Box 2, Folder 25	<b>McCullough - Microwave Lab move Undated</b>
Box 2, Folder 26	<b>Architectural Selection Comm. corrsp. Undated</b>
Box 2, Folder 27	<b>Theater (#128b) Undated</b>
Box 2, Folder 28	<b>Music Bldg. (#128c ) Undated</b>
Box 2, Folder 29	<b>Central Food Service (#383c) - Program 1968 Sep 16</b>
Box 2, Folder 30	<b>Athletics Master Plan - revision (#205c) Undated</b>
Box 2, Folder 31	<b>Main Library development (458 ) Undated</b>
Box 2, Folder 32	<b>GT&amp;E [General Telephone and Electronics] activation - miscellaneous 1965</b>
Box 2, Folder 33	<b>GT&amp;E space requests Undated</b>
Box 34	<b>STL [Systems Techniques Lab] - space reassignments 1964-1965</b>
Box 2, Folder 35	<b>Systems Theory Undated</b>
Box 2, Folder 36	<b>EE [Electrical Engineering] - labs and offices Undated</b>
Box 2, Folder 37	<b>AEL-ERL [Applied Electronics Lab, Electronics Research Lab]- general maps, space assignments, etc. Undated</b>
Box 2, Folder 38	<b>AEL first floor renovation 1965</b>
Box 2, Folder 39	<b>Computer Science Bldg. (#531) Undated</b>
Box 2, Folder 40	<b>Meyer Memorial Basement (#539) Undated</b>
Box 2, Folder 41	<b>Chemistry new facilities (#509) Undated</b>
Box 2, Folder 42	<b>Aerospace Engineering-Air Force -- Johns Hopkins Building Undated</b>
Box 2, Folder 43	<b>Aerospace Engineering-Air Force -- Denver Research Institute Undated</b>
Box 2, Folder 44	<b>Aerospace Engineering-NASA -- miscell. data Undated</b>
Box 2, Folder 45	<b>Aerospace Engineering-NASA -- general Undated</b>
Box 2, Folder 46	<b>Aerospace Engineering-NASA -- additional data proposal SE 2-64 Undated</b>
Box 2, Folder 47	<b>Aerospace Engineering-Air Force -- additional data proposal SE 1-65 (letter to Angelos) 1965 Nov 4</b>
Box 2, Folder 48	<b>Aerospace Engineering-Air Force -- general Undated</b>
Box 3, Folder 1	<b>Aerospace Engineering - corporate: University proposals to private and corporate donors Undated</b>
Box 3, Folder 2	<b>Aerospace Engineering: "A New Building for Space Engineering and Science at Stanford University" Undated</b>
Box 3, Folder 3	<b>Aerospace Engineering - NASA: Memorandum of Understanding Undated</b>
Box 3, Folder 4	<b>NASA Building - Radioscience (Villard) Undated</b>
Box 3, Folder 5	<b>NASA Building - Aero &amp; Astro (Bershafer) Undated</b>
Box 3, Folder 6	<b>NASA Building - Guidance &amp; Control (Cannon) Undated</b>
Box 3, Folder 7	<b>NASA Building - "Working Papers" (for Holmes Visit) 1964 Oct 31</b>

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Box 3, Folder 8	<b>Aerospace Engineering: University discussions (includes Board of Trustees actions) Undated</b>
Box 3, Folder 9	<b>Aerospace Engineering - NASA: facilities grant brochures Undated</b>
Box 3, Folder 10	<b>NASA Building - Laboratory for Mathematical... (suppes) Undated</b>
Box 3, Folder 11	<b>U.S. Air Force - Proposal SE 1-65 Undated</b>
Box 3, Folder 12	<b>Controversy with U.S. Gov. re space assignments in Durand Bldg. Undated</b>

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**University 1963-1970****Note**

See also boxes 13 and 14.

Box 3, Folder 13	<b>Faculty Research Committee, Schawlow Report 1970 May 27</b>
Box 3, Folder 14	<b>Comm. on Research Dean's Conference Rm. Med .Sch. 1970 Nov 2</b>
Box 3, Folder 15	<b>University Libraries Unknown</b>
Box 3, Folder 16	<b>Miller Research Fellowships Undated</b>
Box 3, Folder 17	<b>Patent policy correspondence Undated</b>
Box 3, Folder 18	<b>Hare Voting System Undated</b>
Box 3, Folder 19	<b>Selective Service info. 1968</b>
Box 3, Folder 20	<b>Don Hornig/Lyman/ Funding 1968 Feb</b>
Box 3, Folder 21	<b>Committee on University Policy 1967</b>
Box 3, Folder 22	<b>Misc. research funding 1963</b>
Box 3, Folder 23	<b>Annual financial report/corresp. Undated</b>
Box 3, Folder 24	<b>Computer Planning-Pres. Comm. 1965</b>
Box 3, Folder 25	<b>Contract corresp. Undated</b>
Box 3, Folder 26	<b>Indirect cost rates/cost shar. Undated</b>
Box 3, Folder 27	<b>Policy re budgets, etc. Undated</b>
Box 3, Folder 28	<b>Interdisciplinary research Undated</b>
Box 3, Folder 29	<b>Study of education - Packer 1967-1968</b>
Box 3, Folder 30	<b>University research funding Undated</b>
Box 3, Folder 31	<b>Research support/unrestricted funds (by Labs ) Undated</b>
Box 3, Folder 32	<b>University Salary Policy Comm. Undated</b>
Box 3, Folder 33	<b>Endowed Lectures Series Undated</b>
Box 3, Folder 34	<b>Summer employment Undated</b>
Box 3, Folder 35	<b>Publications (AEL) [Applied Electronics Lab] Undated</b>
Box 3, Folder 36	<b>Secr. charges to EE Undated</b>
Box 3, Folder 37	<b>SEL [Stanford Electronics Laboratories] expenditures/ by Laboratory) Undated</b>
Box 3, Folder 38	<b>Youth Opportunity Program Undated</b>
Box 3, Folder 39	<b>ABM [Anti-Ballistic Missile Safeguard System) Undated</b>
Box 3, Folder 40	<b>Research Information Center Report Undated</b>
Box 3, Folder 41	<b>Undergraduate Engineering Council Undated</b>
Box 3, Folder 42	<b>Academic Council/Comm. of 15 1967</b>
Box 3, Folder 43	<b>Academic Council (Exec. Comm.) 1966</b>
Box 3, Folder 44	<b>Miscellaneous Undated</b>
Box 3, Folder 45	<b>Minority Group Questionnaire - R. W. Lyman Undated</b>
Box 3, Folder 46	<b>Slomich, Jet Propulsion Lab 1967 Dec-1968 Mar</b>
Box 3, Folder 47	<b>Franklin Committee 1970</b>
Box 3, Folder 48	<b>Advisory Comm. - campus disruption Undated</b>
Box 3, Folder 49	<b>Sit-in Petition Undated</b>
Box 3, Folder 50	<b>Miscellaneous disruptions Undated</b>
Box 4, Folder 1	<b>Research problems Undated</b>
Box 4, Folder 2	<b>Miscell., including DOD relationships, funding security review Undated</b>
Box 4, Folder 3	<b>Discussion of overhead 1970 Oct 20</b>
Box 4, Folder 4	<b>Staff letter Undated</b>
Box 4, Folder 5	<b>Committee of Fifteen Undated</b>
Box 4, Folder 6	<b>Interim Judicial Body - misc. file Undated</b>
Box 4, Folder 7	<b>I.J.B. - 1967, C.I.A. - 1968 1967, 1968</b>
Box 4, Folder 8	<b>Marc Sapir Undated</b>

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Box 4, Folder 9	<b>Couzens and Ackerley case 1967</b>
Box 4, Folder 10	<b>Interim Judicial Board - Harris case Undated</b>
Box 4, Folder 11	<b>Case of Alan Traister Undated</b>
	<b>Stanford Electronics Laboratories 1964-1971</b>
Box 5, Folder 27	<b>Personnel-staff &amp; faculty miscell., A-L Undated</b>
Box 5, Folder 28	<b>Personnel-staff &amp; faculty miscell., M-Z Undated</b>
Box 5, Folder 29	<b>Laboratory reorganization Undated</b>
Box 5, Folder 30	<b>Tube Lab Undated</b>
Box 5, Folder 31	<b>Standard Computer - McCluskey Undated</b>
Box 5, Folder 32	<b>Activities Committee Undated</b>
Box 5, Folder 33	<b>Machine Shop Committee Undated</b>
Box 5, Folder 34	<b>History of SEL Undated</b>
Box 5, Folder 35	<b>Miscellaneous Undated</b>
Box 5, Folder 36	<b>Computer Committee Undated</b>
Box 5, Folder 37	<b>Editorial/Publications Comm. Undated</b>
Box 5, Folder 38	<b>Motion picture/Matt Lehmann Undated</b>
Box 5, Folder 39	<b>Holography Undated</b>
Box 5, Folder 40	<b>Research assistantships 1964-1970</b>
Box 6, Folder 1	<b>ERL [Electronics Research Laboratory] space discussions Undated</b>
Box 6, Folder 2	<b>ERL, AEL [Applied Electronics Lab], DUR [Durand Bldg.] - space allocation Undated</b>
Box 6, Folder 3	<b>Monthly lab expenditure reports Undated</b>
Box 6, Folder 4	<b>Memo to Research Steering Committee (subcontracting ) Undated</b>
Box 6, Folder 5	<b>N.I.G.M.S. [National Institute of General Medical Sciences] Undated</b>
Box 6, Folder 6	<b>Staff benefits/Scroggs/SU 1968</b>
Box 6, Folder 7	<b>Information Systems Lab Undated</b>
Box 6, Folder 8	<b>Digital Systems Lab Undated</b>
Box 6, Folder 9	<b>STL [Systems Techniques Lab] - misc. correspondence &amp; notes 1968</b>
Box 6, Folder 10	<b>STL - EE 193/293 participation 1968</b>
Box 6, Folder 11	<b>STL - Committee meetings 1968</b>
Box 6, Folder 12	<b>STL - income/expense projection file 1968</b>
Box 6, Folder 13	<b>STL - spectrum allocation 1967</b>
Box 6, Folder 14	<b>STL - Laser correspondence - misc. Undated</b>
Box 6, Folder 15	<b>STL - Instrument Committee Undated</b>
Box 6, Folder 16	<b>Research Steering Committee (SEL) Undated</b>
Box 6, Folder 17	<b>STL - electronic instrumentation Undated</b>
Box 6, Folder 18	<b>STL - fast Fourier transforms Undated</b>
Box 6, Folder 19	<b>STL - RADA system review file Undated</b>
Box 6, Folder 20	<b>STL - telecommunications 1968</b>
Box 6, Folder 21	<b>STL - story (Don Grace) 1965</b>
	<b>Scope and Content Note</b>
	Slides.
Box 6, Folder 22	<b>Radioscience Lab - miscellaneous Undated</b>
Box 6, Folder 23	<b>Radioscience Lab - West ARRA 1965</b>
Box 6, Folder 24	<b>Radioscience Lab - Bracewell AF-53/Radio Astronomy Undated</b>
Box 6, Folder 25	<b>Radioscience Lab - Center for Radar Astronomy (64) Undated</b>
Box 6, Folder 26	<b>Plasma Physics - correspondence 1964-1965</b>
Box 6, Folder 27	<b>Aero &amp; Astro - misc. correspondence Undated</b>
Box 6, Folder 28	<b>Plasma Physics - misc. correspondence 1967-1971</b>
Box 6, Folder 29	<b>Systems Theory - correspondence, misc. Undated</b>
Box 6, Folder 30	<b>Systems Theory - Kailath - re industrial affils. Undated</b>
Box 6, Folder 31	<b>Solid State - correspondence, misc. Undated</b>
Box 6, Folder 32	<b>Electronics research at Stanford 1970</b>
Box 6, Folder 33	<b>SRI (and AAUP Colloq.) 1969 Feb</b>
Box 6, Folder 34	<b>Research Policy Committee &amp; patent policy Undated</b>
Box 6, Folder 35	<b>DoD security review Undated</b>
Box 6, Folder 36	<b>"Engineer in Society" and res. strike 1969 Mar 4</b>

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Box 6, Folder 37	<b>Ad Hoc Faculty Information Comm. Undated</b>
Box 6, Folder 38	<b>Discussions of research 1970</b>
Box 6, Folder 39	<b>Research discussions Undated</b>
Box 6, Folder 40	<b>Land &amp; building dev. notes 1965</b>

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**Student records 1964-1971**

Box 4, Folder 12	<b>Jones, Sid (survey) Undated</b>
Box 4, Folder 13	<b>I-X Undated</b>
Box 4, Folder 14	<b>C Undated</b>
Box 4, Folder 15	<b>Robert W. Burton Undated</b>
Box 4, Folder 16	<b>L-M Undated</b>
Box 4, Folder 17	<b>H Undated</b>
Box 4, Folder 18	<b>D-G Undated</b>
Box 4, Folder 19	<b>N-R Undated</b>
Box 4, Folder 20	<b>S Undated</b>
Box 4, Folder 21	<b>T-Z Undated</b>
Box 4, Folder 22	<b>Advisees 1970-1971</b>
Box 4, Folder 23	<b>Pre-registration Undated</b>
Box 4, Folder 24	<b>L.P. Brooks Undated</b>
Box 4, Folder 25	<b>Advising lists and present advisees 1961-1963</b>
Box 4, Folder 26	<b>A-B Undated</b>
Box 4, Folder 27	<b>Matthews, A.R., Personnel Undated</b>
Box 4, Folder 28	<b>Advisee comments for Pritchard Undated</b>
Box 4, Folder 29	<b>Advisees 1968-1969</b>
Box 4, Folder 30	<b>Advisees 1964-1969</b>
Box 4, Folder 31	<b>Eckhard Schulz Undated</b>
Box 4, Folder 32	<b>I.J.B. ASSU Judicial Council Undated</b>

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**Courses 1962-1968**

Box 4, Folder 33	<b>EE [Electrical Engineering] 180a Undated</b>
Box 4, Folder 34	<b>EE 179 Undated</b>
Box 4, Folder 35	<b>EE 162 - general, miscellaneous Undated</b>
Box 4, Folder 36	<b>EE 162 - homework solutions Undated</b>
Box 4, Folder 37	<b>EE 162 - examinations Undated</b>
Box 4, Folder 38	<b>EE - Undergraduate Administration, 150, 160 series discussions Undated</b>
Box 4, Folder 39	<b>Long-Range Planning, programmed instruction 1963</b>
Box 4, Folder 40	<b>Long-Range Planning, undergraduate curriculum flexibility 1962-1963</b>
Box 4, Folder 41	<b>EE 161 - Ray Cumming class notes 1962-1963</b>
Box 4, Folder 42	<b>EE 161 - examinations Undated</b>
Box 4, Folder 43	<b>EE 161: HF equivalent circuits of vacuum tubes &amp; transistors Undated</b>
Box 4, Folder 44	<b>EE 160 - general, "Class Notes on Electronic Circuits", Cumming Undated</b>
Box 4, Folder 45	<b>EE 161 - general Undated</b>
Box 4, Folder 46	<b>EE 161- homework Undated</b>
Box 4, Folder 47	<b>Engr. 199/299 Undated</b>
Box 4, Folder 48	<b>EE 213H - class note 1 Undated</b>
Box 4, Folder 49	<b>EE 180a, 180b Undated</b>
Box 5, Folder 1	<b>Engr. 199 Undated</b>
Box 5, Folder 2	<b>Engr. 199 Undated</b>
Box 5, Folder 3	<b>EE 159 - Fall (New Ideas) 1967</b>
Box 5, Folder 4	<b>EE 240 Undated</b>
Box 5, Folder 5	<b>Engr. 199 1968</b>
Box 5, Folder 6	<b>EE 180 Undated</b>
Box 5, Folder 7	<b>EE 180a 1966, 1967</b>
Box 5, Folder 8	<b>EE 180a - class notes on modulation systems Undated</b>
Box 5, Folder 9	<b>EE 180b 1963, undated</b>

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**Box 5, Folder 10                      General course information Undated**


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**Personnel Undated****Scope and Content Note**

Files are undated.

Box 5, Folder 11	<b>A-C</b>
Box 5, Folder 12	<b>General</b>
Box 5, Folder 13	<b>S</b>
Box 5, Folder 14	<b>D-G</b>
Box 5, Folder 15	<b>H-K</b>
Box 5, Folder 16	<b>L-M</b>
Box 5, Folder 17	<b>T-Z</b>
Box 5, Folder 18	<b>N-R</b>

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**Correspondence - foreign Undated****Scope and Content Note**

Files are undated.

Box 5, Folder 19	<b>UK - miscellaneous</b>
Box 5, Folder 20	<b>Foreign - miscellaneous</b>
Box 5, Folder 21	<b>UK - British Embassy</b>
Box 5, Folder 22	<b>Canada</b>

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**Electrical Engineering Department 1964-1966**

Box 5, Folder 23	<b>Divisional origin EE(JGL) 1964</b>
Box 5, Folder 24	<b>SEES Seminar - student position papers Undated</b>
Box 5, Folder 25	<b>Tony Siegman MS program corrsp. Undated</b>
Box 5, Folder 26	<b>Corrsp. Master of Science Degree 1966</b>

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**Academic Council Undated****Scope and Content Note**

Most files are undated. Exceptions are noted in the file listing.

Box 7, Folder 1	<b>Steering Comm. #900-949</b>
Box 7, Folder 2	<b>Steering Comm. - miscellaneous</b>
Box 7, Folder 3	<b>Steering Comm. - #950-999</b>
Box 7, Folder 4	<b>Steering Comm. - #850-899</b>
Box 7, Folder 5	<b>Steering Comm. - #800-849</b>
Box 7, Folder 6	<b>Steering Comm. - #749-799</b>
Box 7, Folder 7	<b>Steering Comm. - #691-749</b>
Box 7, Folder 8	<b>Advisory Board</b>
Box 7, Folder 9	<b>Advisory Board 1970-1971</b>
Box 7, Folder 10	<b>Advisory Board 1971</b>
Box 7, Folder 11	<b>Academic Senate - correspondence &amp; printed matter</b>
Box 7, Folder 12	<b>Academic Senate - #700-749</b>
Box 7, Folder 13	<b>Academic Senate - #650-699</b>
Box 7, Folder 14	<b>Academic Senate - #601-649</b>
Box 7, Folder 15	<b>Academic Senate - #550-599</b>
Box 7, Folder 16	<b>Academic Senate - #500-549</b>
Box 7, Folder 17	<b>Academic Senate - #450-499</b>
Box 7, Folder 18	<b>Academic Senate - #400-449</b>
Box 7, Folder 19	<b>Academic Senate - #350-399</b>
Box 7, Folder 20	<b>Academic Senate - #300-349</b>

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Box 7, Folder 21	<b>Academic Senate - #250-299</b>
Box 7, Folder 22	<b>Academic Senate - #200-249</b>
Box 8, Folder 1	<b>Academic Senate - #150-199</b>
Box 8, Folder 2	<b>Academic Senate - #100-149</b>
Box 8, Folder 3	<b>Budget projections 1971-1975</b>
Box 8, Folder 4	<b>Constituency meetings 1970</b>
Box 8, Folder 5	<b>Report on faculty self-discipline</b>
Box 8, Folder 6	<b>Miller Committee 1970</b>
Box 8, Folder 7	<b>Academic Senate - Charter 1968</b>
Box 8, Folder 8	<b>Academic Senate - SES discussions</b>
Box 8, Folder 9	<b>Academic Senate - American Assoc. Univ. Profs. statement: Govt. of Colleges &amp; Univ.</b>
Box 8, Folder 10	<b>Academic Senate - Committee on Research Policy, classified research draft 1967 Jul</b>
Box 8, Folder 11	<b>Academic Senate - ASSU</b>
Box 8, Folder 12	<b>CAC [Coalition for an Academic Community]</b>
Box 8, Folder 13	<b>Science &amp; Society Symposium</b>
Box 8, Folder 14	<b>Academic Senate - agendas, memoranda 1968</b>
Box 8, Folder 15	<b>Academic Senate - agendas, memoranda 1969</b>

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### School of Engineering 1964-1972

#### Note

See also box 13.

Box 8, Folder 16	<b>Misc. personnel correspondence Undated</b>
Box 8, Folder 17	<b>Growth statistics Undated</b>
Box 8, Folder 18	<b>Faculty meetings 1964-1971</b>
Box 8, Folder 19	<b>XC [Executive Committee] 1972</b>
Box 8, Folder 20	<b>Senior Research Associate Undated</b>
Box 8, Folder 21	<b>XC 1970 Jul-Dec</b>
Box 8, Folder 22	<b>Conflict of interest Undated</b>
Box 8, Folder 23	<b>XC 1971 Jan-Jul</b>
Box 8, Folder 24	<b>XC 1970 Jan-Jul</b>
Box 8, Folder 25	<b>Executive Committee 1968-1969</b>
Box 8, Folder 26	<b>Engineering Senate, Prof Bryson's home 1970 Sep 22</b>
Box 8, Folder 27	<b>Executive Committee Minutes 1967-1968</b>
Box 8, Folder 28	<b>Visiting Committee; Engineering Undated</b>
Box 8, Folder 29	<b>Charts/statistics, misc. Undated</b>
Box 8, Folder 30	<b>SES [Student Education Council] 1969</b>
Box 8, Folder 31	<b>Computer account Undated</b>
Box 8, Folder 32	<b>Old "S" accounts Undated</b>
Box 8, Folder 33	<b>Computer Corrsp. 1965-1967</b>
Box 9, Folder 1	<b>Advisory Council 1967-1969</b>
Box 9, Folder 2	<b>NSF Principal Investigators Undated</b>
Box 9, Folder 3	<b>Student-Faculty Liason Committee 1966-1967</b>
Box 9, Folder 4	<b>"Import of Cutbacks Fed. Funding" Undated</b>
Box 9, Folder 5	<b>Replacement - Hybrid Computer 1967</b>
Box 9, Folder 6	<b>Case study approach (NSF) Undated</b>
Box 9, Folder 7	<b>Goal of Engr. Education - reports Undated</b>
Box 9, Folder 8	<b>Dept. of Mechanical Engr. Undated</b>
Box 9, Folder 9	<b>Chodorow - Applied Physics Div. Undated</b>
Box 9, Folder 10	<b>Operations Research Program Undated</b>
Box 9, Folder 11	<b>Dept. of Civil Engr. Undated</b>
Box 9, Folder 12	<b>Center for Materials Research Undated</b>
Box 9, Folder 13	<b>Engineering Economics Undated</b>
Box 9, Folder 14	<b>Status of budget accounts Undated</b>
Box 9, Folder 15	<b>Bio-Engineering/Bellville Undated</b>

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Box 9, Folder 16	<b>Proposal acceptance rates (KD) Undated</b>
Box 9, Folder 17	<b>Import cutbacks Fed. Fund. Undated</b>
Box 9, Folder 18	<b>Computer Committee 1968</b>
Box 9, Folder 19	<b>Research support funds Undated</b>
Box 9, Folder 20	<b>Research coord. (ROB), contracts, grants Undated</b>
Box 9, Folder 21	<b>Interim reports sponsored research Undated</b>
Box 9, Folder 22	<b>Honors Co-Op, memos &amp; correspondence Undated</b>
Box 9, Folder 23	<b>Stanford U. Honors Co-Op Progr. Undated</b>
Box 9, Folder 24	<b>Tau Beta Pi survey Undated</b>
Box 9, Folder 25	<b>Fellowship awards 1967-1969</b>
Box 9, Folder 26	<b>GPA ranking of seniors 1967-1968</b>
Box 9, Folder 27	<b>International Studies Program 1965</b>
Box 9, Folder 28	<b>Summer research opportunities 1968</b>
Box 9, Folder 29	<b>Misc. Undated</b>

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**University 1950-1975****Note**

See also boxes 13 and 14.

Box 9, Folder 30	<b>Land &amp; Building Development Comm. Undated</b>
Box 9, Folder 31	<b>Land &amp; Building Dev. Comm. - Mins. 1967-1968</b>
Box 9, Folder 32	<b>Faculty Housing Sub Comm. 1967-1968</b>
Box 9, Folder 33	<b>Land &amp; Bldg. Dev. Comm. 1964-1965</b>
Box 9, Folder 34	<b>Faculty Housing Sub Comm. 1963-1964</b>
Box 9, Folder 35	<b>Land &amp; Bldg. Dev. Comm. 1963-1964</b>
Box 9, Folder 36	<b>Homeowners Association 1966-1968</b>
Box 9, Folder 37	<b>Land &amp; Bldg. Dev. (II), Planning Office Format 1967 Dec 4</b>
Box 9, Folder 38	<b>Land &amp; Bldg. Dev. Comm. - corresp., File I 1967-1968</b>
Box 9, Folder 39	<b>Land &amp; Bldg. Dev. Comm., Minutes 1966-1967</b>
Box 9, Folder 40	<b>Land &amp; Bldg. Dev. Comm., Minutes 1968-1969 Mar</b>
Box 9, Folder 41	<b>Land &amp; Bldg. Dev. Comm. - corresp., file II 1967-1968</b>
Box 9, Folder 42	<b>L &amp; BD - Faculty-Staff Housing Sub. Undated</b>
Box 9, Folder 43	<b>Land &amp; Bldg. Comm., correspondence 1966-1967</b>
Box 10, Folder 1	<b>Faculty Housing Sub Comm. 1965-1966</b>
Box 10, Folder 2	<b>Faculty Housing Sub Comm. 1966-1967</b>
Box 10, Folder 3	<b>Faculty Housing Sub Comm. 1966-1967</b>
Box 10, Folder 4	<b>Committee trips, etc. Undated</b>
Box 10, Folder 5	<b>Faculty Housing Sub Comm. 1968-1969</b>
Box 10, Folder 6	<b>Projected space needs 1965-1975</b>
Box 10, Folder 7	<b>Comm. on Blgs. &amp; Grounds (Bd. of Trustees Subcommittee) Undated</b>
Box 10, Folder 8	<b>Natural Disaster Sub-Committee Undated</b>
Box 10, Folder 9	<b>Serra Street Undated</b>
Box 10, Folder 10	<b>Freeway effects Undated</b>
Box 10, Folder 11	<b>Proposal No. SE 1-65 Undated</b>
Box 10, Folder 12	<b>Outdoor Sculpture Subcomm., L &amp; BD Undated</b>
Box 10, Folder 13	<b>Land &amp; Bldg. Dev. Comm. - miscell. Undated</b>
Box 10, Folder 14	<b>Advisory Comm. on Land &amp; Bldg. Dev., Minutes 1950-1952</b>
Box 10, Folder 15	<b>Space Engineering Bldg. Comm. undated</b>
Box 10, Folder 16	<b>Space Engineering Bldg., Corrsp. 1967</b>
Box 10, Folder 17	<b>L &amp; BD, Natural Disaster Subcomm. Undated</b>
Box 10, Folder 18	<b>Frenchman's Hill 1970</b>
Box 10, Folder 19	<b>L &amp; BD Comm. Minutes 1969 Apr-1970</b>
Box 10, Folder 20	<b>Personnel-research personnel titles, etc. Undated</b>
Box 10, Folder 21	<b>IEEE Fellows[Institute of Electrical &amp; Electronic Engineers, Inc.] Undated</b>
Box 10, Folder 22	<b>Stanford Associates - Annual Fund Undated</b>
Box 10, Folder 23	<b>Stanford Associates - Annual Fund Undated</b>
Box 10, Folder 24	<b>NSF funding memos Undated</b>

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Box 10, Folder 25	<b>National Science Foundation (NSF) Undated</b>
Box 10, Folder 26	<b>NSF work papers 1968</b>
Box 10, Folder 27	<b>NSF 1968</b>
Box 10, Folder 28	<b>NSF, GFY 70 Undated</b>
Box 10, Folder 29	<b>NSF (equipment), possible funds available 1967</b>
Box 10, Folder 30	<b>NSF - Research Initiation Grants Undated</b>
Box 10, Folder 31	<b>NSF (funding memo) 1967 Sep 22</b>
Box 10, Folder 32	<b>Cornell NSF Undated</b>
Box 10, Folder 33	<b>IEEE Fellows 1968-1970</b>
Box 10, Folder 34	<b>IEEE (misc.) undated</b>
Box 10, Folder 35	<b>WESCON Conference 1967 Aug</b>
Box 10, Folder 36	<b>Research Participation for College Teachers; <i>Stanford for Engineering</i>, new edition Undated</b>
Box 11, Folder 1	<b>Academic Council 1970</b>
Box 11, Folder 2	<b>Academic Council 1969</b>
Box 11, Folder 3	<b>Academic Council Minutes 1968</b>
Box 11, Folder 4	<b>Academic Council 1967</b>

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**ASEE [American Society for Engineering Education] and ECRC [Engineering College Research Council] 1964-1971**

Box 11, Folder 5	<b>ASEE 1970</b>
Box 11, Folder 6	<b>ASEE 1971</b>
Box 11, Folder 7	<b>ASEE 1970</b>
Box 11, Folder 8	<b>ECRC Minutes 1964</b>
Box 11, Folder 9	<b>ASEE - Final Program, Diamond Jubilee meeting Undated</b>
Box 11, Folder 10	<b>ASEE - travel forms Undated</b>
Box 11, Folder 11	<b>ECRC - Research Adm. Comm. 1964-1968</b>
Box 11, Folder 12	<b>ECRC/ASEE, misc. Undated</b>
Box 11, Folder 13	<b>ECRC Minutes 1966</b>
Box 11, Folder 14	<b>ASEE-ECRC faculty interest study 1965</b>
Box 11, Folder 15	<b>ECRC Minutes 1965</b>
Box 11, Folder 16	<b>ECRC Minutes 1968</b>
Box 11, Folder 17	<b>ECRC - general file 1968</b>
Box 11, Folder 18	<b>ECRC Membership Change Status &amp; Rules - corrsp. Undated</b>
Box 12, Folder 1	<b>ECRC - Wm. R. Rambo Undated</b>
Box 12, Folder 2	<b>ECRC 1969-1970</b>

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**Telecommunication Science Panel 1966**

Box 12, Folder 3	<b>Reports, summaries, etc. Undated</b>
Box 12, Folder 4	<b>F. Committee structure &amp; Charter Undated</b>
Box 12, Folder 5	<b>G. The Federal Communications Commission Undated</b>
Box 12, Folder 6	<b>H. Land Mobile - FAA - Radar - Law - Oceanography - USIA Undated</b>
Box 12, Folder 7	<b>I. Institute for Telecommunication Sciences and Aeronomy (ITSA) Undated</b>
Box 12, Folder 8	<b>A. Antennas Undated</b>
Box 12, Folder 9	<b>B. Information - modulation Undated</b>
Box 12, Folder 10	<b>C. Propagation Undated</b>
Box 12, Folder 11	<b>D. Telecommunications Undated</b>
Box 12, Folder 12	<b>E. Satellite Communications Program Undated</b>
Box 12, Folder 13	<b>Telecommunications file Undated</b>
Box 12, Folder 14	<b>Commerce Dept. Panel - corresp. 1966</b>
Box 12, Folder 15	<b>"A Report on Frequency Management ..." - draft 1966 Jul 12</b>
Box 12, Folder 15	<b>"Electromagnetic Spectrum Utilization..." - draft 1966 Oct</b>
Box 12, Folder 16	<b>Communications Satellite Corp., AT&amp;T 1966</b>

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**Teaching Library 1955-1969**

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Box 12, Folder 17	<b>EE 180b Undated</b>
Box 12, Folder 18	<b>Notes 1955-1964</b>
Box 12, Folder 19	<b>Problems 1964-1965</b>
Box 12, Folder 20	<b>Files - storage Undated</b>
Box 12, Folder 21	<b><i>Electronic Countermeasures</i>, chapter: The Intercept Receiver 1962</b>
Box 12, Folder 22	<b><i>Electronic &amp; Radio Engineering</i> - fifth edition, suggested format 1961-1962</b>
Box 12, Folder 23	<b>EE 159 3. grounded-grid power amplifier Undated</b>
Box 12, Folder 24	<b>EE 160 - general; "Supplemental Notes, 1962-63" 1962-1963</b>
Box 12, Folder 25	<b>EE 160 - general; "Corrections ... Terman, 1958" 1958</b>
Box 12, Folder 26	<b>EE 160 -miscellaneous class notes Undated</b>
Box 12, Folder 27	<b>EE 160 - class C demonstration amplifier 1963</b>
Box 12, Folder 28	<b>EE 161: notes on modulation systems for class discussion Undated</b>
Box 12, Folder 29	<b>EE 159 2. Oscillations - - wanted &amp; unwanted Undated</b>
Box 12, Folder 30	<b>EE 159 class tours, notes problems Undated</b>
Box 12, Folder 31	<b>Eitel - McCullough class tours Undated</b>
Box 12, Folder 32	<b>EE 159 - general Undated</b>
Box 12, Folder 33	<b>EE 159 - student exam samples 1964, 1965</b>
Box 12, Folder 34	<b>EE 159 4. Terman 19-1,2; Qualitative ... Klystron Behavior Undated</b>
Box 12, Folder 35	<b>L.P. Brooks, Jr. - PhD application 1965</b>
Box 13, Folder 1	<b>Problem solutions - Terman Undated</b>
Box 13, Folder 2	<b>Problem solutions Undated</b>
Box 13, Folder 3	<b>EE 160 - examinations Undated</b>
Box 13, Folder 4	<b>Roll Book, EE 160 (autumn quarter), EE 161 (winter quarter ) 1956-1957</b>
Box 13, Folder 5	<b>EE 159 - class notes, problems (2 vol.) 1965-1966</b>
Box 13, Folder 6	<b>EE 159 - class assignments, problems. Microwave &amp; high power tubes (ECPD) 1966, 1965</b>
Box 13, Folder 7	<b>EE 159 - 6. Terman 19-4, traveling-wave tube Undated</b>
Box 13, Folder 8	<b>EE 159 - 5. Terman 19-3, reflex Klystron Undated</b>
Box 13, Folder 9	<b>EE 213h, final Undated</b>
Box 13, Folder 10	<b>EE 213h - problems &amp; solutions 1967-1969</b>
Box 13, Folder 11	<b>EE 180a - miscell.</b>

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**University, personal & miscellaneous material 1953-1971**

Box 13, Folder 12	<b>Vandalism Undated</b>
Box 13, Folder 13	<b>Proposal No. STL 8-68 Undated</b>
Box 13, Folder 14a	<b>Memos, miscell. 1962-1971</b>
Box 13, Folder 14b	<b>Memos, miscell. 1962-1971</b>
Box 13, Folder 15	<b>Personal correspondence 1969-1971</b>
Box 13, Folder 16	<b>School of Engineering - Prof. Shockley/projects/plans 1968-1969</b>
Box 13, Folder 17	<b>Electrical Engineering Dep. faculty report, bio. material Undated</b>
Box 13, Folder 18	<b>Campus recruiting Undated</b>
Box 13, Folder 19	<b>Dr. Terman Undated</b>
Box 13, Folder 20	<b>Travel corresp. 1970-1971</b>
Box 13, Folder 21	<b>A.K. Subbotin - Russia Undated</b>
Box 13, Folder 22	<b>W.R. Rambo - McGraw Hill Undated</b>
Box 13, Folder 23	<b>W.R. Rambo - McGraw Hill Undated</b>
Box 13, Folder 24	<b>Salaries Undated</b>
Box 13, Folder 25	<b>IEEE - International Convention Digest 1970</b>
Box 14, Folder 1	<b>O.G. Villard data Undated</b>
Box 14, Folder 2	<b>STL [Systems Techniques Lab] - misc. file 1967</b>
Box 14, Folder 3	<b>STL - Project Halloween Undated</b>
Box 14, Folder 4	<b>STL - activities/by date/talks &amp; visits 1968</b>
Box 14, Folder 5	<b>STL - misc. file Undated</b>
Box 14, Folder 6	<b>Security - Security Guide #100 &amp; #241 (2 vol.) Undated</b>

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Box 14, Folder 7	<b>Security - R.W. Lee Undated</b>
Box 14, Folder 8	<b>Security - "Security Practices &amp; Procedures" (2 vols.) 1969 Dec</b>
Box 14, Folder 9	<b>Security - budget, Research Security Adm. 1968-1969</b>
Box 14, Folder 10	<b>Security - correspondence, misc. 1968-1969</b>
Box 14,	<b>Security - correspondence-misc. 1967</b>
Folder 11a	
Box 14,	<b>Security - correspondence-misc. 1967</b>
Folder 11b	
Box 14, Folder 12	<b>Security - correspondence-misc. 1966</b>
Box 14, Folder 13	<b>Security - correspondence-misc. 1953-1965</b>
Box 14, Folder 14	<b>Security - report dissemination/contracts Undated</b>
Box 14, Folder 15	<b>Security - receipts Undated</b>
Box 14, Folder 16	<b>ESTES - SES - Committee on Research Policy 1967-1968</b>
Box 14, Folder 17	<b>Research Policy Comm. Undated</b>
Box 14, Folder 18	<b>Hospital sit-in 1971 Apr 9</b>
Box 14, Folder 19	<b>ECRC Minutes 1967</b>
Box 14, Folder 20	<b>Air Force Long-Range Planning Comm. Undated</b>
Box 14, Folder 21	<b>Denver Research Institute Research Program Undated</b>
Box 14, Folder 22	<b>IDA [Institute for Defense Analyses] Undated</b>
Box 14, Folder 23	<b>Socony-Mobile Oil Company, Inc. - grant Undated</b>
Box 14, Folder 24	<b>Northrop Space Laboratories Undated</b>
Box 14, Folder 25	<b>ARPA - equipment grant negotiation 1964</b>
Box 14, Folder 26	<b>Laser Antenna Undated</b>
Box 14, Folder 27	<b>ONR (59) Undated</b>
Box 14, Folder 28	<b>ONR-64 Undated</b>
Box 14, Folder 29	<b>AF 82 Undated</b>
Box 14, Folder 30	<b>TASK 83 Undated</b>
Box 14, Folder 31	<b>One-shot equipment 1969</b>
Box 14, Folder 32	<b>Papers pub. by Siegman-Harris group Undated</b>
Box 14, Folder 33	<b>DA 394 - Kalman Undated</b>
Box 14, Folder 34	<b>N-0001 Undated</b>
Box 14, Folder 35	<b>AF-0038 Undated</b>
Box 14, Folder 36	<b>0081 Undated</b>
Box 14, Folder 37	<b>F-0110 Undated</b>
Box 14, Folder 38	<b>N-0451 Undated</b>
Box 14, Folder 39	<b>0149 Undated</b>
Box 14, Folder 40	<b>1016 Undated</b>
Box 14, Folder 41	<b>C-1245 Undated</b>
Box 14, Folder 42	<b>C-1406 undated</b>
Box 14, Folder 43	<b>C-1414 Undated</b>
Box 14, Folder 44	<b>1430 Undated</b>
Box 14, Folder 45	<b>AF 1637 undated</b>
Box 14, Folder 46	<b>C-1730 Undated</b>
Box 14, Folder 47	<b>AF 3589 Undated</b>
Box 14, Folder 48	<b>Academic Council - memos &amp; reports 1966-1969</b>
Box 14, Folder 49	<b>NASA - program Undated</b>

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**JSEP [Joint Services Electronic Program] and TAC [Technical Advisory Committee]  
1963-1972**

Box 15, Folder 1	<b>Joint Services contract discussion, inter-university "White Paper" 1963-1964</b>
Box 15, Folder 2	<b>Joint Services universities - miscell. 1968</b>
Box 15, Folder 3	<b>JSEP Committee (TAC) 1967</b>
Box 15, Folder 4	<b>Technical reports (SU-SEL-70-044, 057, 058) 1970 Aug 7-9</b>
Box 15, Folder 5	<b>Stanford University Microwave Laboratory Undated</b>
Box 15, Folder 6	<b>JSEP principal investigators Undated</b>
Box 15, Folder 7	<b>Brooklyn, Polytechnic Institute of Undated</b>
Box 15, Folder 8	<b>JSEP - replies Undated</b>

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Box 15, Folder 9	<b>Peter King undated</b>
Box 15, Folder 10	<b>California, University of Undated</b>
Box 15, Folder 11	<b>Research review 1969-1970</b>
Box 15, Folder 12	<b>JSEP - University of Texas Undated</b>
Box 15, Folder 13	<b>JSEP - Harvard University Undated</b>
Box 15, Folder 14	<b>JSEP - Illinois, University of, Coordinated Science Laboratory Undated</b>
Box 15, Folder 15	<b>JSEP - MIT Research Laboratory of Electronics Undated</b>
Box 15, Folder 16	<b>TAC Undated</b>
Box 15, Folder 17	<b>TAC 1970</b>
Box 15, Folder 18	<b>TAC - meeting 1965 Aug</b>
Box 15, Folder 19	<b>TAC 1971</b>
Box 15, Folder 20	<b>TAC 1972</b>
Box 15, Folder 21	<b>TAC - meeting 1969 Mar 21</b>
Box 15, Folder 22	<b>TAC 1968</b>
Box 15, Folder 23	<b>TAC - meeting 1967 Aug</b>
Box 15, Folder 24	<b>TAC - meeting McC 240 1971 Apr 8</b>
Box 15, Folder 25	<b>TAC 1969</b>
Box 15, Folder 26	<b>JSEP - Monterey, Cal. 1971 Aug 10-11</b>

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**Universtiy 1961-1972**

Box 16, Folder 1	<b>Committee and Senate Handbook, preliminary edition 1970 Jun</b>
	<b>Committee on Committees (incl. Minutes) 1969-1970</b>
Box 16, Folder 2	<b>Correspondence, printed matter 1969-1970</b>
Box 16, Folder 3	<b>#101-149 1969</b>
Box 16, Folder 4	<b>#150-199 1969</b>
Box 16, Folder 5	<b>#200-249 1969</b>
Box 16, Folder 6	<b>#250-299 1969</b>
Box 16, Folder 7	<b>#300-349 1969</b>
Box 16, Folder 8	<b>#350-399 1969</b>
Box 16, Folder 9	<b>#400-459 1969-1970</b>
Box 16, Folder 10	<b>#450-499 1970</b>
Box 16, Folder 11	<b>#500-549 1969-1970</b>
Box 16, Folder 12	<b>#550-559 1970</b>
Box 16, Folder 13	<b>Inter-University Electronic Science Series 1961-1963</b>
Box 16, Folder 14	<b>Korea - KAIS Contract, reports 1969-1971</b>
Box 16, Folder 15	<b>Korea - KAIS correspondence 1971-1972</b>
	<b>NASA (National Aeronautics &amp; Space Administration) 1961-1970</b>
Box 16, Folder 16	<b>General 1961-1967, undated</b>
Box 16, Folder 17	<b>"Instrumentation" program, Engineering, Medical School 1964</b>
Box 16, Folder 18	<b>Proposal for Space Engineering Bldg. SE 2-65 1964</b>
Box 16, Folder 19	<b>Study material 1964</b>
Box 16, Folder 20	<b>Study proposal 1964</b>
Box 16, Folder 21	<b>Study questionnaire 1964-1965</b>
Box 16, Folder 22	<b>Study report - WRR revisions 1965</b>
Box 16, Folder 23	<b>Presidential Selection Committee 1970</b>

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**School of Engineering: Stanford Electronics Labs; consulting and research 1949-1973**

	<b>Applied Electronics Lab 1954-1961</b>
Box 16, Folder 24	<b>Building plans 1957</b>
Box 16, Folder 25	<b>Building plans 1956-1958</b>
Box 16, Folder 26	<b>Building plans 1958-1959</b>
Box 16, Folder 27	<b>Consulting arrangements, AEL personnel 1956-1961</b>
Box 16, Folder 28	<b>Consulting - policy 1955-1957</b>
Box 16, Folder 29	<b>Electronics Materials Committee 1955</b>
Box 16, Folder 30	<b>Technical Program Committee 1954-1955</b>

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	<b>Air Force 1954-1967</b>
Box 16, Folder 31	<b>ARDC (Air Research &amp; Dev. Command) 1956-1961</b>
Box 16, Folder 32	<b>CRC (Cambridge Research Center) 1954-1960</b>
Box 16, Folder 33	<b>Guidance Labs -proposal (Cannon) 1964-1965</b>
Box 16, Folder 34	<b>Guidance Labs - general (Cannon) 1964-1965</b>
Box 16, Folder 35	<b>Institute of Technology. Summer study program 1963-1964</b>
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Box 17, Folder 1	<b>SAC (Strategic Air Command) - Presentation to Gen. LeMay "Research in ECM" 1955</b>
Box 17, Folder 2	<b>SAC - dead 1955-1959</b>
Box 17, Folder 3	<b>SC (Systems Command) -RTD Avionics Lab review (Wright-Patterson) 1964</b>
Box 17, Folder 4	<b>SC Project Forecast. General 1962-1963</b>
Box 17, Folder 5	<b>SC Project Forecast, ECM-ECCM draft panel report Undated</b>
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Box 17, Folder 32	<b>ECRC (research) Hoffman 1966</b>
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	<b>EE 180b - miscell. 1963-1965</b>

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Box 17, Folder 34	<b>EE 180b Proc. IRE, The CAA VHF Omnirange, by Hurley, Anderson, Keary pp. 1506-1520 Undated</b>
Box 17, Folder 35	<b>EE 180b Proc. IRE, Standards on Radio Aids to Navigation: Definition of Terms, pp.1364-1371 1949</b>
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**Speeches and articles (arr. chronologically) 1945-1974**

Box 19, Folder 24	<b>RRL report OEMsr-411-209, "An R-F Wattmeter for the 1000 Mc3000 McRange" 1945 Jun</b>
Box 19, Folder 25	<b>"Status of VHF Facilities for Aviation", <i>Electronics</i>, Vol. 20, #10, p. 90 1947 Oct</b>
Box 19, Folder 26	<b>RTCA, "Efficiency of Aircraft Traffic Control Systems" 1948</b>
Box 19, Folder 27	<b>"Shoran for Surveying", <i>Electronics</i>, pp.112-117 1948 Mar</b>
Box 19, Folder 28	<b>AFC Circuit, <i>Electronics</i>, with J. Confalone 1956 Apr</b>
Box 19, Folder 29	<b>ARDC Electronics and Infared CM Symp. at RADC, "Current Stanf. ECM &amp; CCM Research" 1956 Oct</b>
Box 19, Folder 30	<b>ONR Military Operations Research Symp. (Host SRI). "An Appreciation of ECM Problems." 1958 Mar</b>
Box 19, Folder 31	<b>U.S. Naval Reserve BuShips - "Electronic Countermeasures " 1958 Jul</b>
Box 19, Folder 32	<b>Stanf. Research Club. "The Research Program of the Stanf. Electronics Labs" Circa 1960-1961</b>
Box 19, Folder 33	<b>ASEE. "Challanges and Problems in Grad E.E." 1961 Jun</b>
Box 19, Folder 34	<b>Utah State and Univ. of - speech 1963 May</b>

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Box 19, Folder 35	<b>Research Coord. - new faculty - speech 1963 Oct 22</b>
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Box 19, Folder 45	<b>Paper, "Import of Cutbacks in Federal Funding, of University Research." 1968 Feb</b>
Box 19, Folder 46	<b>Stanford Days of Concern - speech 1968 Apr 12</b>
Box 19, Folder 47	<b>Homeowners talk 1968 May</b>
Box 19, Folder 48	<b>Speech for McCarthy 1968 May 10</b>
Box 19, Folder 49	<b>Alumni Day - Land &amp; Bldg. Development 1968 May 18</b>
Box 19, Folder 50	<b>Stanford-NSF Symposium on "The Use of Case Material in Teaching Engineering" - speech 1968 Jun 24</b>
Box 19, Folder 51	<b>A.I.I.E. - speech 1968 Oct 22</b>
Box 19, Folder 52	<b>NCURA - "A New Dimension in the Administration of Gov't. Sponsered University Research." 1968 Dec</b>
Box 19, Folder 53	<b>Campus Alumni conference speech 1969 Sep 26</b>
Box 19, Folder 54	<b>Hawaii speech 1969 Oct 14</b>
Box 19, Folder 55	<b>UCSB talk 1969 Dec 2</b>
Box 19, Folder 56	<b>Engr. 296B - Dr. Skilling, talk 1970 Apr 16</b>
Box 19, Folder 57	<b>Dean's Institute, Miami, Fla. - speech 1970 May 4</b>
Box 19, Folder 58	<b>UCLA conference 1970 May 20</b>
Box 19, Folder 59	<b>Pres. Pitzer dinner - speech 1970 Jul 23</b>
Box 19, Folder 60	<b>"Engineering Research in Transition" - paper 1970 Oct</b>
Box 19, Folder 61	<b>Alf Brandin's going away - speech 1971 Apr</b>
Box 19, Folder 62	<b>Stanford Associates speech 1971 Jun 17</b>
Box 19, Folder 63	<b>Pettit Dinner 1972 Feb 5</b>
Box 19, Folder 64	<b>NCAR, New Orleans - speech (later pub. in <i>Research Management</i>) 1972 Oct</b>
Box 19, Folder 65	<b>Honolulu - speech 1974 Mar</b>

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**Personal and miscellaneous material 1939-1974**

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Box 20, Folder 7	<b>Gov't. consulting/expense reports 1966-1969</b>
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Accession ARCH-1997-093 **Additional Material 1961-1991****Scope and Content Note**

Inventory provided by Dr. Rambo for Accession ARCH-1997-093

Box/folder in ( )

1966 - 1 (6/7) The story begins in 1966 because classified research (and DoD research in general) surfaced as a major issue. The special attention was initiated by an expose at Michigan State involving the CIA. It peaked at Stanford in a special meeting of the entire Academic Council at which I was to appear for questioning (17 May). The file contains a prescient hand-written note dated May 10 from C.J. Shoens, the Director of STL.

1967 - 1 (6/8) The very thin file reflects a quiet year in the areas of direct concern here. There are a few exchanges with the Baxter Committee which had been set up to monitor classified research.

1968 - 1 (6/9) This was a dark year. Unrest built, and following a week that included two sit-ins and an \$80,000 arson loss, the Faculty conceded the contest via an Academic Council vote on 8 May. The new policy of appeasement was not lost on student dissidents. They returned in September with a revealing set of "non-negotiable demands" (File 1968 - 2M). Kenneth Pitzer, Stanford's Neville Chamberlain, arrived in early December. This file became quite full following Registration on 23 September.

1968 - 3P (6/12) The local focus is here interrupted by two files containing press reports (hence an added P). This first relates to the major happenings in the 1968-69 academic year to the mid-April AEL sit-in. These newspaper accounts add an outside perspective.

1969 - 1P (7/1) The 9-day AEL sit-in is covered by the Stanford News Service.

1969 - 3 (7/14) This file reports the 1968-69 academic year to the end of the AEL sit-in as viewed from AEL. It reveals that even before the end of the sit-in, a number of individuals had decided to leave the University because of now obvious incapacities of the Community.

1969 - 4 (7/5-6) The AEL story continues from late April through May. Having received its freedom from the University, SRI agreed to take over the disputed contracts and the now-disenchanted staff members.

1969 - 5 (7/7) June and July. The government research sponsors agreed to the transfer of the disputed work to SRI. The approval came via an intense effort spearheaded by C.J. Shoens, with strong support from SRI and the Stanford Contracts Office.

1969 - 6 (7-8) August through December. By the end of the year the STL program was gone -- a clear victory for the dissidents. But it was in part a pyrrhic victory. STL researchers were at home in SRI, the old program in place. Only the traditional university overview was gone. A second group had formed a start-up company focussed on military electronics. SRI was now completely independent. And the Administration had embarked quietly on an aggressive relationship with the DoD -- so aggressive as to be decried by F. E. Terman in a 22 October 1970 note in my Reading File.

1969 - 7 (7/9) In the AEL sit-in affair, some actions and attitudes of the Administration, and of some others in responsible roles, are here recorded.

(As a 1997 aside) I am in touch with several members of the former STL staff. Even after almost 30 years, a disaffection with Stanford remains in varying degrees. But the forced departure of these particularly talented individuals is now viewed by most as truly fortunate. (One may doubt that a Stanford career would have produced an 11000 sq ft winter home that is just being finished in Indian Wells.)

1969 - 9 (8/2) This file deals with the University/SRI relationship. The excesses leading up to, and during the AEL sit-in, were not lost on the Trustees, nor on the SRI management and staff. Two weeks after the sit-in, SRI gained its freedom via Trustee action. Four days of riots followed the decision.

1969 - 10 (8/3) The McClellan Hearings. In large part because of the publicity attending recent Stanford events, Messrs. Pitzer, Lyman, Friedenthal (Law) and Rambo were ordered to appear on 1 & 2 July before the U.S. Senate Permanent Subcommittee on Investigations. The Chairman, Senator McClellan, had scheduled appearances for six of the more troubled universities and Stanford ranked first.

The very real threat was the imposition of Government oversight on University operations via control of research funds. A counter argument was that Stanford now was prepared to handle these troubles alone. As events over the next two years proved, that argument was certainly not true. But it went over so well that we were dismissed and the appearances of the other schools were cancelled.

1970 - (8/5) Another eventful Spring. I had occasion to comment on it at a Dean's meeting in Florida on 4 May ..... "In the month just ended, we have had a \$100,000 fire, three more sit-ins, police on campus on six different occasions, over 30 injuries to demonstrators and police alike, and more than \$100,000 in damage due to vandalism apart from arson. We had

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**Chron file 1961-1991**

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Box 1, Folder 8	<b>1963 Mar-Apr</b>
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Box 2, Folder 6	<b>1965 Jan</b>
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Box 2, Folder 9	<b>1965 May-Jun</b>
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Box 3, Folder 1	<b>1966 Apr-Jun</b>
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Box 3, Folder 4	<b>1967 Jan-Mar</b>
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Box 4, Folder 1	<b>1969 Jan-Feb</b>
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Box 4, Folder 3	<b>1969 May-Jul</b>
Box 4, Folder 4	<b>1969 Aug-Nov</b>
Box 4, Folder 5	<b>1969 Dec</b>
Box 4, Folder 6	<b>1970 Jan</b>
Box 4, Folder 7	<b>1970 Feb</b>
Box 4, Folder 8	<b>1970 Mar</b>
Box 4, Folder 9	<b>1970 Apr-May</b>
Box 4, Folder 10	<b>1970 Jun</b>
Box 5, Folder 1	<b>1970 Jul-Aug</b>
Box 5, Folder 2	<b>1970 Sep-Oct</b>
Box 5, Folder 3	<b>1970 Nov</b>
Box 5, Folder 4	<b>1970 Dec</b>

Chron file 1961-1991

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Box 5, Folder 5	<b>1971 Jan</b>
Box 5, Folder 6	<b>1971 Feb</b>
Box 5, Folder 7	<b>1971 Mar</b>
Box 5, Folder 8	<b>1971 Apr</b>
Box 5, Folder 9	<b>1971 May-Jun</b>
Box 5, Folder 10	<b>1971 Jul</b>
Box 5, Folder 11	<b>1971 Aug</b>
Box 6, Folder 1	<b>1971 Sep-Dec</b>
Box 6, Folder 2	<b>1972 Jan-Feb</b>
Box 6, Folder 3	<b>1972 Mar-May</b>
Box 6, Folder 4	<b>1972 Jun-Aug</b>
Box 6, Folder 5	<b>Memo and note re natural disaster preparation 1969</b>
Box 6, Folder 6	<b>Index re overhead costs (1969-1970 letters) 1991 Feb 8</b>

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**Student unrest 1966-1971**

Box 6, Folder 7	<b>-1 1966</b>
Box 6, Folder 8	<b>-1 1967</b>
Box 6, Folder 9	<b>-1 1968</b>
Box 6, Folder 10	<b>-2M (1) 1968</b>
Box 6, Folder 11	<b>-2M (2) 1968</b>
Box 6, Folder 12	<b>-3P 1968</b>
Box 7, Folder 1	<b>-1P 1969</b>
Box 7, Folder 2	<b>-2M 1969</b>
Box 7, Folder 3	<b>-2M (tape of "Rambo Song") 1969</b>
Box 7, Folder 4	<b>-3 1969</b>
Box 7, Folder 5	<b>-4 (1) 1969</b>
Box 7, Folder 6	<b>-4 (2) 1969</b>
Box 7, Folder 7	<b>-5 1969</b>
Box 7, Folder 8	<b>-6 1969</b>
Box 7, Folder 9	<b>-7 1969</b>
Box 8, Folder 1	<b>-8M 1969</b>
Box 8, Folder 2	<b>-9 1969</b>
Box 8, Folder 3	<b>-10 1969</b>
Box 8, Folder 4	<b>-10 (transcript of US Senate Hearings) 1969</b>
Box 8, Folder 5	<b>1 1970</b>
Box 8, Folder 6	<b>2 1970</b>
Box 8, Folder 7	<b>3 1970</b>
Box 8, Folder 8	<b>1P 1971</b>
Box 8, Folder 9	<b>2 1971</b>
Box 8, Folder 10	<b>3 1971</b>

Box 9

**Photo Album - AEL during sit-in of April 1969; Encina April 1969; vandalism at Durand Building early 1970. Most photos taken by Lloyd Provan, the University photographer. Undated**