

11/6/31
Engineering
Electrical & Computer Engineering
M.E. Van Valkenburg Papers, 1941-97

Box 1 :

Biographical

Curriculum Vitae, 1955
Dossier for Van Valkenburg, 1963
Biography, 1968
Nominations and Professional Involvement, 1964-74
Curriculum Vitae, Biography, and Publications, c. 1975
Resume (brief), 1983
Biographical Sketch, c. 1983
Biographies, 1986, 1995
Professorial Data Form, 1988
Awards:
ASEE Banquet Program (honoring VV), 1963
Lamme Award Packet, 1977
AEEE Fellow Pin
Engineering Foundation Certificate of Appreciation, 1990

News Clippings:

“Stopping Atomic War by Pellets”, 1956
“Dr. V.’s Plastic Pellets”, 1957
Clippings about VV, 1969, 1985
Announcement of Nomination as Acting Dean of Engineering, 1984
Retirement Articles, 1988
Obituaries, 1997

Education:

University of Utah Bluebooks, 1941-42
University of Utah Coursework, 1942-46 (3 folders)
EE 137 Coursework (University of Utah)
M37 Advanced Calculus, 1945
Class Notes, 1946
Bulletin of the University of Utah, 1946-47
Electronics Laboratory Manual (University of Utah), 1948
Course Notes from the University of Utah, 1950
Tau Beta Pi (Engineering Honors Society):
Chapter Characteristics Article in Tau Beta Pi Newsletter, 1946
Tau Beta Pi Newsletters, 1947-48, 1951, 1959

Publications: Books

Circuit Theory: Foundations and Classical Contributions, Dowden, Hutchinson & Ross, 1974
Drafts of Chapters 1-4, 12 (11 folders)
Drafts of Chapters 1-9, 11-14 (folder 1 of 2)

Box 2 :

Drafts of Chapters 1-9, 11-14 (folder 2 of 2)
with B. Kinariwala, Linear Circuits, Prentice-Hall, 1982
Drafts and Correspondence with Kinariwala, 1976-78 (5 folders)
Preface, 1980-81
Corrections and Correspondence, 1983
Reviews, 1980
Analog Filter Design, New York : Holt, Rinehart, and Winston, 1982:
Drafts: Preface, Chapters 1-8 (22 folders)
Manuscript Reviews, 1987

Box 3:

Drafts, Chapters 9-20, Bibliography, Appendices (56 folders)

Manuscript, 1982
 Corrections to Analog Filter Design, 1982, 1989 (2 folders)
 New Chapter 1, 1989
 Reviews of Analog Filter Design, 1979, 1991
 Final Copy, 1982
Introduction to Modern Network Synthesis, John Wiley & Sons, June 1960:
 First Drafts, Synthesis, 1959
 Manuscript, c. 1959 (3 folders)

Box 4:Network Analysis, Prentice-Hall, 1956:

Promotional Materials, 1955, 1964
 3rd Edition, 1974
 Errors, 1975
 4th Edition (notes), 1988

Publications: Articles and Columns

with Carol & Robert Ash, "A Sensible Approach to Calculus"
 with S.F. Wetenkamp, "Improved Sensitivity through Generalized Multiloop Feedback", Joint Services Electronic Program
 "History of the Development of Charged Particle Accelerators", University of Utah Electrical Engineering Department, 1946
 "What is Fundamental in a Curriculum?" Editorial in The Data Sheet, Engineering Faculty Newsletter, 1953
 "How About a Modern Curriculum?" Article in The Data Sheet Engineering Faculty Newsletter, 1953
 with Philip Weinberg, "Servomechanism Compensation with Non-Linear Networks", Seventh Regional IRE Conference, Albuquerque, 1953
 "The Two-Helix method for Polarization Measurement of Meteoric Radio Echoes", Journal of Geophysical Research 59:3, September 1954
 with D.K. Gehmlich, "Measurement of Some Nonlinearities in Servomechanics", AIEE Transactions, 1954
 "Modeling of High-Impact through the Use of Plastics", Office of Scientific Research, Air Research and Development Command, 1954
E.E. Newsletter of the Department of Electrical Engineering of the University of Utah, No. 1, September 15, 1954
 with Charles Hendricks, Jr., "Method for Producing High-Velocity Metallic and Plastic Pellets", Journal of Applied Physics 26:6 776-777 June 1955
 With Huth and Thompson, "Some New Data on High-Impact Phenomena", Journal of Applied Mechanics, 1956
 with Wallace Clay, "Impact Phenomena at High Speeds", Journal of Applied Physics 27:10 1123-1129, October 1956
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Instructor's Manual for Network Analysis, New York: Prentice Hall, 1957
 with Wataru Mayeda, "Pole and Zero Locations for Minimum Driving-Point Functions", Third Midwest Symposium on Circuit Theory, Ames, Iowa, 1958
 with Wataru Mayeda, "Network Analysis and Synthesis by Digital Computer," reprinted from Part 2 of the 1957 IRE WESCON Convention Record
 "On the Difficulty of Obtaining a Shaping Network to Approximate a Desired Magnitude and Phase Characteristic for Missile Design", Space Technology Laboratories—Controls Department, 29 October 1958
 "On Topological Synthesis," reprinted from the 1958 WESCON Convention Record, Part 2
 "Recent Advances in Active Network Synthesis." Defense Technical Information Center

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- “Trip Report: International Federation of Automatic Control Congress”, Circuit Theory Group of the Engineering Experiment Station at the University of Illinois, August 1960
- with J.P. Ruina, “Stochastic Analysis of Automatic Tracking Systems.” Proceedings of the First International Congress of the International Federation of Automatic Control, Moscow, 1960.
- With J.B. Cruz, Jr., “The Synthesis of Models for Time-Varying Linear Systems, Proceedings of the Symposium on Active Networks and Feedback Systems, Brooklyn, NY 1960
- “Patterns of Changing Emphasis in the Teaching of Circuit Theory”, Fifth Sagamore Conference on Electrical Engineering Education, Saratoga Springs, NY, 1961
- with R.P. Wishner, “On Markov Processes in Control Systems with Quantizers”, c. 1961
- with W. Mayeda, “Properties of Lossy Communication Nets”, IEEE Transactions on Circuit Theory, 12:3, 334-338, September 1965
- with B. Liu, “A Probabilistic Approach to the Parameter Sensitivity Problem”, Fifth Annual Allerton Conference on Circuit and System Theory, 1967
- with Thomas, Kuh, and Calahan, “Progress in Radio Waves and Transmission of Information: Information Theory, Circuit Theory, and Computer-Aided Design”, Radio Science 4: 7, 651-656, July 1969
- Princeton Publications, 1969-70
- “Recruiting Students and Faculty—One Viewpoint”, IEEE Student Journal, January 1969, 30-32
- “Optimization Techniques in Circuit Theory”, XVIth General Assembly of the International Scientific Radio Union, Ottawa, Canada, 27 August 1969
- “The Potential of the Computer in Education”, Symposium on Computers and Automata, Brooklyn, New York, 1971
- with M. Lal, “Reduced-Order Modeling of Large Scale Linear Systems”, Recent Contributions to Large Scale Systems (ed. R. Saeks), Point Lobos Press, 1975
- with F. Wu, “Final Report: Workshop on the Application of Circuit Theory to Power System Problems”, National Science Foundation, December, 1976
- “Teaching Circuit Theory: 1934-1984”, IEEE Transactions on Circuits and Systems, 31:1, January 1984
- Strengthening U.S. Engineering Through International Cooperation: Some Recommendations for Action, National Academy of Engineering, Washington, D.C., 1987
- Comments on “A Capstone Experience for Engineers”, 1990
- IEEE/ASEE Columns:
- Undated Drafts (3 folders)
 - Communications Article, 1980
 - IEEE Press, 1982
 - Floyd Cash Series, 1981-82
 - Cash Article for June, 1982
 - Where to Write? Article, 1981-82
 - Engineering Education Article, 1982 (2 folders)
 - IEEE-ASEE Newsletter Column, 1983
 - Ideas for Column, 1984
 - February Column, 1984
 - May/Sept Issues of Newsletter, 1984
 - Education Issue of Spectrum, Fall 1984
 - IEEE-ASEE Newsletter Column, 1986
 - Materials: Article for Column, 1986
 - Newsletter Column: September Issue, 1986
 - Column on Workstations, 1987
 - September Column for Kirk, 1987
 - Admissions by Interview—ASEE Column, 1988
 - Circuits as a 1st Course, 1988
 - Service Courses ASEE Column, c. 1989
 - Spring Newsletter Columns, 1989
 - Karl Willenbrock column, 1989

Who Will Teach Math? ASEE Column, 1990
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 EE Columns for the Future, 1990
 "An Engineering Curriculum for the Future" 1990
 "More than Four Years" ASEE Column, 1990
 Slower Pace, 1990
 Turning Off Students: Our Gatekeeper Courses, 1990
 Mike Sain Article, Comm Magazine, 1990
 Faculty Shortage Column, 1991
 Don Kirk Newsletter, 1991, 1992 (2 folders)
 The Limit of Growth Column, 1991
 Engineering Achievements in WWII, 1991
 Engineering Education, 1991

Correspondence:

Tau Beta Pi, 1947
 With the University of Illinois, 1955
Modern Network Synthesis Publication and Revision, 1959, 1965-69
 With Students and Fellow Professors, 1965-89 (2 folders)
 Director, Steve, 1973
 Cioffi, John, 1974
 Electrical Engineering Department at UIUC, 1974-80 (5 folders)

Box 5:

Letters of Congratulations on Election to the National Academy of Engineering, 1973
 Rohrer, Ron, 1975
 Correspondence, 1977
 Relating to Electrical Engineering Department at UIUC, 1977-88 (6 folders)
 Kinariwala, Bharat, 1977
 Holt, Reinhart and Winston, 1979
 Personal Correspondence, Summer 1980
 Ash, Bob, 1980
 From the Office of the Dean of Engineering, 1985, 1987-88, 1989 (7 folders)
 Campbell, Roy 1986
 Metze, Virginia 1986
 Flynn, C. Peter, 1986
 Hua, Kien, 1988
 Sample, Steve, President at USC, 1991
 Letters of Recommendation, Reference, and Nomination:
These folders are restricted. Permission from the individual named on the folder must be received by the Archives prior to releasing information.
 Darlington, Sidney Nomination, 1974
 Chua, Leon Nomination for Terman Award, 1975
 Bode, Hendrik Nomination, 1977
 Pursely, M.B. Tenure Letter, 1979
 Kuo-Nae, Franklin F. 1979
 Aggarwal, J.K., 1979
 Poor, H.V., 1980
 Mai, Kiet Anh, 1980
 Lightner, Michael, 1981
 Hakimi, S. Louis Reference, 1982
 Gooch, Richard, 1982
 F. Karl Willenbrock, 1982
 Pottle, Chris, Nomination, 1982
 Pai, Mangalore Nomination, 1983
 Gaylor, Diane Catherine, 1984
 Whinnery, John, Award File, 1986

Pierre, Donald, c. 1986
 Leonard, William F., 1986
 Thomas, John, 1986
 Cording, Edward Nomination to the National Academy of Engineering, 1987
 Shoemaker, Resume/Reference, 1987
 Jordan, Edward C., 1987
 Shinoi, Belle, 1992
 E. David Crockett Nomination for Illinois Alumni Award

Box 6:

Conferences and Associations

Conferences, Symposia, and Meetings Programs and Schedules, 1950-66, 1967-85 (2 folders)
 Allerton Conference (Chancellor's), 1977
 American Electronics Association, 1986, 1991, 1992 (3 folders)
 American Power Conference, 1975
 American Society for Engineering Education (ASEE):
 Correspondence, 1964-65, 1979, 1986 (2 folders)
 Faculty Evaluation Surveys Presentation, 1950
 Ph.D Students Questionnaire, 1966
 Engineering Education Commission Research:
 Success of Graduates Study, 1957
 Pederson, 1973
 1973-89 (7 folders)
 Education Reform, 1974
Quality of Engineering Education Project Final Report, 1986
 Current Engineering Students, 1989-90
 Engineering Education Lecture Notes
 Long-Range Planning Committee, 1975, 1980 (2 folders)
 Lamme Award Committee, 1980, 1983, 1988-89, 1989 (4 folders)
 Editorial Board Meeting, 1987
 Publications Committee, 1987, 1988 (2 folders)
 Washington, D.C. Meeting, 1987
 Portland, Oregon Meeting, 1988
 College Industry Education Conference (CIEC):
 Report, 1988
 Choice or Chance? Seminar, 1988
 Lake Buena Vista, 1990
 Engineering Dean's Council (EDC) Notes and Correspondence, 1987
 Joint Accreditation Board for Engineering and Technology/EDC Task Force, 1990 (2 folders)
 Apple Education Conference, 1988
 CAS Symposium, Houston, 1980
 Energy Symposium, Drexel University, 1992
 Engineers' Council for Professional Development (ECPD):
 1976-77
 Professional Schools, 1977
 Accreditation Visits:
 Johns Hopkins University, 1973
 University of Louisville, 1973, 1982 (2 folders)
 University of Kentucky, 1973, 1975 (2 folders)
 Pennsylvania State University, 1975
 Arizona State University, 1975
 Clemson University, 1975
 Notre Dame University and New Mexico State University, 1976
 University of Massachusetts, 1977

University of Toronto, 1985
 Iowa State University, 1987
 Engineering Deans' Institute (Puerto Rico), 1988
 Juan R. Caro (Puerto Rico), 1988
 Environmental Engineering Conference, 1993
 Federal Power Commission, 1974
 Frontiers in Education (FIE) Conference, Houston, 1980
 Institute of Electrical and Electronics Engineers (IEEE):
 Banquet Programs:
 Institute of Radio Engineers Banquet Program, 1962
 Award Banquet Programs, 1981, 1984
 Engineering Education, 1965
 Jordan Position Paper, 1974
 Award Correspondence, 1975-76
 Educational Activities Board (EAB) Consultant, 1975-76
 CAS Fellow Committee, 1975, 1980, 1985, 1988 (5 folders)
 USAB Subcommittee, 1977, 1983 (2 folders)

Box 7:

Materials, 1978
 Centennial Task Force, 1979-89
 Foundation Board of Directors' Meeting, 1981
 Hallmarks of Excellence Study (EE Department Heads), 1982
 Europe Planning, 1982
 Press Budgeting, 1982
 Conference: Denmark, 1982
 Student Branch Statistics, 1982
 Transnational Relations Committee, 1982, 1983, 1984, 1987 (5 folders)
 Japan/China Trip, 1984
 Toronto Meetings, 1984
 Power Engineering Society Meeting—Seattle, 1984
 Invited Paper Proceedings, 1984
 San Francisco and San Jose Meetings, 1984
 Educational Activities Board, 1985
 Press Board Meeting, 1986, 1989 (2 folders)
 Potentials Associate Editor, 1988
 Education Society Award, 1988
 Talk for Seattle Section, 1989
 Proceedings, 1989-90
 IBM Dean's Seminar, 1986
 India Institute of Technology (Kampur), 1970, 1982-83 (4 folders)
 International Conference on Systems Theory, 1981
 International Symposium on Network Theory:
 Split Paper (Yugoslavia), 1975
 Yugoslav CT, 1977-79 (2 folders)
 Ljubljana Symposium, 1979
 Yugoslav Symposium, 1989
 Zagreb Conference, 1989
 Israel Education Conference, 1986
 Knox College: Entrepreneurship and the Liberal Arts Conference, 1987
 Leadership Conference
 Manpower Conference:
 1975, 1976 (3 folders)
 Graduate Seminar, 1975
 First-Job Syndrome 1976
 Midwest Symposium:
 Lawrence, 1974

Louisville, 1985
 MIT Workshop, 1982
 Modeling and Simulation Conference—U. Pittsburgh, 1975
 Mulligan Workshop, Irvine, 1976
 National Academy of Engineering:
 Meeting, 1974
 Nomination Form, 1979
 Peer Group Committee, 1979
 National Advisory Committee Dean's Advisory Board, 1993
 National Science Foundation:
 Workshop, 1976 (3 folders)
 Meeting on Undergraduate Curriculum, 1989 (2 folders)
 Ernst-Kerrebrock Committee, 1987
 National Research Council:
 Assembly of Engineering, 1975
 Commission on Human Resources, 1975
 New Directions in Engineering Computing Conference, 1992
 SAE (Engineering Society for Advancing Mobility), 1988
 Sargent and Lundy Conference for Educators, 1975
 Sloan Foundation Conference, 1973
 Southeastcon, 1976
 Tau Beta Pi LEADS Conference, 1985
 University of California—Santa Barbara Advisory Committee, 1975, 1979-80, 1987, 1988, 1992 (6 folders)
 University of Colorado—Boulder Meeting, 1987
 University of Illinois Committees:
 Curriculum Seminar on Freshman and Sophomore Years in Engineering, 1960
 Qualifying Examination Committee, 1975
 Computer Policy Committee, 1975
 Information Tools, 1975
 Engineering Steering Committee of the Executive Committee, 1975
 Executive Committee of the Graduate College, 1976
 EE Awards Committee, 1976 (2 folders)
 Engineering College Policy and Development Committee, 1976
 EE 260 Committee, 1978
 EE Curriculum Committee, 1979
 Large Class Committee, 1981, 1983 (2 folders)
 College Policy and Development Committee (CP&D), 1984
 Engineering Committee Administrative Council, 1984
 Microelectronics Building Committee, 1985
 Deans and Directors Meeting, 1987
 Discrete Math Committee, 1987

Box 8:

Subject File, A-Z

1st Order, 1976
 3rd Order Optical
 324 Coverage, Comments on, 1976
 Abolition of the Engineering Experiment Station, Comments on, c. 1988
 Academic vs. Industrial Careers Presentation, 1986
 Acting Dean, University of Illinois, 1984
 Aeronautics Department Head Search Committee, 1986
 Aggarwal, J.K.:
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 C.V., 1988
 Albuquerque Travel, 1981
 Allerton, 1974-75, 1976 (2 folders)

Analog Comp. Filters, 1974-75
Analog Multipliers: Vijay K. Vyas
Announcements: Everhart, Van V., 1984
Atmospheric Science, 1986
Avery, Susan K., 1984, 1986 (2 folders)
Book Reviews–Van Valkenburg, 1975
Boston Presentation
Brain Articles, 1980
Calendars, 1969-72, 1982 (2 folders)
Calendar Forms, 1974-75
Ceramics Search Committee, 1986
Charlottesville–Chestnut
Circuits Systems and Society Newsletters, 1972-73
Circuits Systems Graduates and Directory, 1964
Circuit Theory Grant Accounting, 1977
Class Records, 1964-65
Clipping File, 1961-62
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College of Engineering, University of Illinois, 1986
College of Engineering Issuances, Minutes, and Announcements, 1987-88
College of Engineering Planning Reports, 1986-87
Commencement, College of Engineering, 1985, 1987 (3 folders)
Coordinated Science Laboratory–Some Historical Highlights, 1964
Creativity Studies, 1986
Cruz Highlights of Technical Contributions
CSL Photo Slides
Current Project File, 1982
Dean Appointment Papers, 1985
Dean Search (Engineering), 1984
Department Rankings, 1982
Design Career Research, 1982
Draper Prize, Charles Stark, 1989
Drexel University Talk
Eastepp, Franklin (University of Dayton), 1986
Early Indicators, 1987
ECE Salary Studies
Education Medal, 1971
Educational Profile for Entering Freshman in Engineering, 1988
Educational Technology Assessment (Desmond), 1975
EE (Electrical Engineering) Problem Set Instructions, 1979
Energy Systems Report
Energy Talk, c.1974
Engineering Education, 1986 (2 folders)
Engineering Education V, 1993
Everhart Informal Introduction
Faculty Conference, 1984
Faculty Industrial Interests, 1986
Faculty Salaries (“Confidential”), 1986
Faculty Offer Data, 1987-88
Fault Analysis and Turning of Analog Circuits Grant Proposal to the National Science Foundation,
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Filter Research
Final CSC Report
Fu Memorial Service, King-Sun, 1985
General Engineering Department Head Search Committee, 1987
Gibbons, James, Report
Grainger Chair, 1982-84

Grainger Lecture Series, 1988
 Guillemin Lecture, 1980
 Gujjar, J.T., Paper, 1980
 Hawaii Trip, 1984
 History–E.S. Kuh, 1984
 Holt Textbook Questionnaire, 1981
 Honors Program in August–S. Brown
 Houghton-Mifflin Ads for SLC, 1973
 Humanities as Reviewed in the NYT, 1984
 Industrial Outlook Lecture
 International Biotechnology Products and Training Data, 1986
 Inverse Chebyshev–El Masri Notes
 Jordan Project–Reference Manual, 1991 (2 folders)

Box 9:

Kokotovic Bode Prize Lecture, 1991
 Krueger Proposal, 1992 (2 folders)
 Kuffel, Ron Case, 1987
 Lamme Award Nomination for H. Bolten Seed, 1981
 Lectures, 1975, 1988 (2 folders)
 Lecture Slides,
 Left & Right Brain/Computers, c.1980
 Long Range Planning (Personal), 1976
 McGraw Hill, 1980
 Magnets for Motors, 1982-83
 Masry, El Proposal, 1979
 Matsie Review Committee, 1987
 Mayeda and Japan Travel, 1983
 MIT/Fano Reunion, 1984
 MIT Lifelong Cooperative Education, 1982
 Mercersburg Curriculum, 1989
 Metze, Virginia Memo, 1986
Model Calculus Draft (Walter Sadler), 1988
 Myers, Mick Obituary, 1982
 Nancy, France Visitors
 National Science Foundation:
 Visit, 1987
 Committee of Visitors, 1993
 National Security Agency Clearance, 1984
 Network Synthesis–Callahan Lecture Slides
 Newark Trip, c. 1986
 New Fourier Series, 1981
 New Hampshire and KSU Talks, 1974
 New Orleans Talk
 New Trip to India, 1983
 Nuclear Faculty Candidates to See, 1986
 Obituaries, 1977, 1986
 Oil Pipelines Trip, 1986
 Oklahoma Jr. College, 1989
 On Thinking: University of Utah, 1980
 Permission Forms, HR&W, 1981
 Peterson HiFi System Schematic, 1976
 Peterson Paper, 1974
 Physics Department Search Committee, 1985
 Power Systems, 1976
 Power System Seminar, Jiang, 1986
 President's Retreat, 1984

Princeton File, 1971-73
 Problem Assignment Format, c. 1979
 Programs on Disc, 1975
 Prussing, John E. 1985
 Public Policy Program, 1981
 Rearranging the Deck Chairs on the Titanic, 1991
 Reduced-Order Power Network Modeling, Grant Proposal to the National Science Foundation,
 1974-77
 Reifsneider, Ken, Faculty Recruitment, 1987
 Report Reviews, 1991
 Research and Graduate Study in Electrical and Computer Engineering
 Rogers, Debra M., 1987
 Royalty Rates Study, 1978-79
 Royalty Date Study, 1983
 Russian Visitors Return Invitation
 Sabbatical Leave, 1981-82
 Salaries, University of Illinois, 1982
 Sample's Remarks at the University of Buffalo, 1985
 Scaling
 Service Course Outlines, 1974
 Simitzes, George S., Georgia Institute of Technology, 1986
 Software Engineering, 1989
 Speech Info, 1986
 Spice as Related to 1st Circuits, 1989
 Students-V.V. MA/Ph.D List, 1986
 Switched Circuit Filters Background, 1978
 Symposium on Electrical and Computer Engineering Education for the Twenty-First Century, 1986
 Synthesis, 1992
 Taiwan Travel, 1987
 Tam Department Search Committee, 1988
 Technical Writing Reprint, 1983
 Textbook Contracts, 1979
 Transparencies, 1984
 Trick, Tim Re: ECE Appointments, 1986
 Triangle Fraternity Initiation, 1984
 Unclassified Reference Material, 1979
 University of Arizona-Tucson, 1980, 1982 (3 folders)
 University Contributions, 1991
 University of the Future, 1983
 University of Hawaii-Dean of Engineering, 1981
 University Scholars Notifications, 1986
 University of Virginia Fellow
 Unjamming our Curricula
 Welcome Talk: Centers, Etc.
 Win, Soe, Job Application, 1987
 Worcester Polytechnical Institute, 1986
 Workshop Proposal (Van V), 1976
 Yale University Review, 1980
 YMCA Know Your University, 1980
 YMCA Meeting, 1988

Box 10:

Course Materials

University of Utah:

EE276 Selected Topics in Electromagnetic Theory and Microwave Electronics, 1949

Stanford University:

- EE2266 Assignments and Exam, 1950 (2 folders)
- EE128 Servomechanics, Summer 1953

Princeton University:

- EE390 Active and Passive Filter Design, 1974 (2 folders)
- Engineering 483, 1971

University of California:

- EE123 Electrical Engineering, 1962 (2 folders)
- EECS104B, 1977

University of Hawaii:

- EE311 Student Work, 1978-79
- EE315 Electrical Engineering Student Work and Evaluations, 1978-79 (2 folders)

University of Arizona:

- EE321 Electrical Circuits:
 - Student Work and Records, 1983 (3 folders)
 - Problem Set Solutions, 1983

University of Illinois:

- EE 214 Grade Roster, 1967-68
- EE260 Circuit Analysis:
 - Student Work, 1980 (2 folders)
 - Lectures, 1980
 - Lecture Overheads, 1984
 - Student Work, 1993
- EE271:
 - Topics in Energy Systems, 1973
 - Frequency Spectrum Analysis, 1981
- EE290 Microprocessing, 1980
- Eng.298 Executives in the Modern Technical World, 1985
- EE309 Circuit, System, and Signal Analysis:
 - Supplementary Notes on Fourier Series, 1980
 - File, 1980
 - Problems and Exam Solutions, 1980
 - Course Materials, Fall 1982
 - Schedule, Summer 1983
 - Course Materials, 1983
 - Problem Sets and Exams, 1983
 - Course Packet, 1984
 - Online Course Proposal to Board of Trustees, 1984
 - Course Materials, 1986-87
 - Homework Set

Box 11:

EE 324 Active and Passive Filter Design:

- Course Binder, 1974
- Exam and Problem Set Solutions, 1974
- Bill Keasler Final Project, 1974
- Lab Work, 1974-77
- Gradebook, 1974
- Materials 1975
- Exam and Problem Set Solutions, 1975
- Outline and Problem Sets, 1975
- Binder of Exam and Problem Set Handouts, 1975
- Course Evaluations, 1975
- Student Work, 1975-77 (2 folders)
- Problem Sets and Handouts, 1976
- Problem Sets and Handouts 1975-77
- Final Exams, 1976-78

Clement Lee Term Paper, 1977
 Fred Schmitt Term Paper, 1977
 Andrew Cassino Term Paper, 1977
 Problem Sets and Handouts, 1977
 Problem Sets and Handouts, 1978
 Course Evaluations, 1978
 Problem Sets and Solutions, 1978-79
 EE324 Analog Filter Design:
 Class Notes, 1979

Box 12:

Course Packet Chapters 1-10, 1979
 Course Packet Chapters 11-19, 1979
 Problem Sets and Handouts, 1979
 Course Binder, 1981(2 folders)
 Student Work, 1981
 Problem Sets and Overheads, 1981
 Problem Solutions, 1981
 Problem Sets and Handouts, 1982 (2 folders)
 Diagrams and Grades, 1982
 Exam, 1984
 Exam Solutions, 1984 (2 folders)
 Problem Sets, 1984
 Grade Rosters, 1984
 Labs, 1989
 Lectures, 1989
 Diagrams (2 folders)
 Lectures
 EE326 Lecture Notes, 1986
 EE361 Lecture Notes, 1979
 EE371:
 Edward Seckinger Term Paper, 1973
 Student Work, 1985
 EE 376 Lecture Notes, 1986
 Final Exams, 1985-89

Box 13:

EE432 Network Synthesis, Spring 1956
 EE451 Network Systems Examination File, 1961 (2 folders)
 Course Materials, 1976-77
 Syllabus and Lesson Plan Draft Papers
 Theses and Dissertations, 1972-76
 Robert Johnson Thesis Drafts 1968, 1973
 Somukuan Bruminhent Ph.D Thesis, 1972
 Scott Wetenkamp Thesis Proposal, 1974
 R. Tataru Honors Project, 1978
 Slides

Box 14:

Photographs and Artifacts

Photographs of Van Valkenburg
 Early Radio Transmitting Devices, 1938-49
 Photographs from Don Callahan, 1962, c.1980, 1993
 Fort Monmouth Visit Photographs, 1967
 Pacific Rim Engineering Conference Photographs, 1991

11/6/31

13

Engineering and Engineering Technology–Accreditation for Quality Education (videocassette)
Memorex Computer Tape IV-CX, 18mm diameter, 9.5mm hub diameter, marked “NEE504”, c.
1974

Radio Transmission Line Calculator
Photographs from Chapter 13, Circuits

Box 15:

Oversized Folder:

Civil and Mechanical Engineering Coursework from the University of Utah, 1940-41
“A Great University Reports on Quality in Higher Education” (Reprint from November 1963 of Illinois
Alumni News), inscribed to Van Valkenburg from David Henry