

15/19/27
Liberal Arts and Sciences
Psychology
Ledyard R Tucker Papers, 1940-1988

Box 1: Correspondence, A-Z

A, 1949-71
American Association for the Advancement of Science 1963 Symposium, 1963-64
American Journal of Psychology, 1969
Allison--Notes and Correspondence, 1955-60
Alonso, Alfredo O. Lopez, 1960
American Psychological Association Division 15, 1962, 1970
Appelbaum, Mark, 1966-70
Arabie, Phipps, 1980
B, 1951-87
Ball, Geoffrey, 1967-68
Bargmann, Rolf E., 1966-68, 1980
Bechtel, Gordon, 1969-71
Bell Telephone Laboratories, 1967-68
Bishop, Doyle, 1964-65
Black, Michael C., 1962-66
Bock, R. Darrell, 1963-68
Bryan, Glenn L., Office of Naval Research, 1965-67
Bunderson, C. Victor, 1950, 1965
C, 1949-71, 1979
Campbell, Donald T., 1959-62, 1969
Carlson, Alfred, 1964-66
Carroll, John B., 1957-65
Cattell, Raymond B., 1955-68, 1977
Cleary, Anne, 1961-70
Conger, Anthony J., 1965-77
Coombs, C. H., 1963
Cooper, Lee Gordon, 1966-70, 1979
Cooper, Leslie M., 1960-63
Crow, Lowell T., 1961-62
Cronbach, Lee J., 1962
Cusick, Thomas W., 1963-64
D, 1947-70
Damarin, Fred, 1963-69
Davison, Mark L., 1973-74
Delbeke, Luc, 1965-67
Dielman, Ted E., 1966
Drasgow, Fritz, 1976-80
Drasgow-Dorans Manuscripts, 1979
DuBois, Philip H., 1961-62

Dunn, Terry, 1973-76
E, 1949-70
Engelhart, Max D., 1955-60, 1968
F, 1949-73
Finkbeiner, Carl, 1974-77
Fleishman, Allen, 1976-78
Frankmann, Raymond, 1964-66
Frederiksen, Carl H., 1962-67, 1972-74
G, 1945-71
Groves, Curtis, 1961, 1975-78
Gulliksen, Harold, 1960-69, 1974
Guttman, Louis, 1953-54, 1960-62

Box 2: Correspondence (continued)

H, 1950-70, 1979-80
Haley, John V., 1963-64
Hammond, Kenneth R., 1963-71
Harris, Chester, 1953-55, 1964-70, 1979
Harman, Harry H., 1965-69
Helm, Carl E., 1955, 1960, 1967
Herzberg, Paul A., 1964-69
Higgs, William, 1964-65
Hoffman, Edward L., 1961-72
Horst, Paul, 1954-55, 1962-64, 1970
Humphreys, Lloyd G., 1954-68
Hundleby, John D., 1963
Hunt, William, 1963-65
I, 1954-69, 1975
Ikeda, Hiroshi, 1960-68
Illini-Girl and Stenographic Bureau, 1970
Illinois Psychological Association, 1963-66
Psychological Registration Act--State of Illinois, 1963-65
Illinois Society for Medical Research, 1963-65
Indow, Tarow, 1965
Inn, Andres, 1970-75
J, 1954-70
Jaspen, Nathan, 1944, 1956-59
Johnson, Richard, 1963-64
Jöreskog, Karl, 1968
Journal of Experimental Psychology, 1968-69
K, 1949, 1957-70

Kaiser, Henry, 1959-69, 1976-77
 Kelley, H. Paul, 1955-57, 1964-65
 Koopman, Raymond, 1963-70
 Korth, Bruce, 1972-79
 Krauss, Bea, 1977-78
 L, 1949-71, 1980
 Larkin, Willard D., 1966-69
 Laughlin, James, 1975-76
 Lazarsfeld Colloquium Feb. 24, 1967
 Levin, Joseph, 1961-66
 Lewis, Charles, 1970, 1975
 Lin, Pang-Chieh, 1974-75
 Linn, Robert L., 1964-70
 Loevinger, Jane, American Psychological Association Division 5 Address, 1963
 Lord, Frederic, 1963-74, 1979
 Love, William, 1966-70
 M, 1952-70, 1980
 MacCallum, Robert C., 1970-79, 1986-87
 Madansky, Al, 1959, 1965
 Marjoribanks, Kevin: "Another View of the Relation of Environment to Mental Abilities:
 A Reply," Journal of Educational Psychology, 1972-74
 Mayeske, George, 1961-62
 McCall, Robert B., 1964-74
 McDonald, Roderick R., 1963-64
 McKeon, James J., 1961-67, 1974
 McKie, Douglas, 1962-69
Journal of Mathematical Psychology, 1964
 Messick, Samuel, 1964-72
 Mills, David, 1959-66
 Montanelli, Rich, 1970
 Moren, Richard I., 1961-64

Box 3: Correspondence (continued)

N, 1949-70
 National Science Foundation, 1970
 Nesselroade, John, 1965-66, 1973
 National Institute of Mental Health, 1961-65
 Nicholson, George, Jr., 1953
 Nygren, Thomas E., 1974-75
 O, 1958-72
 Olkin, Ingram, 1970

Oregon Research Institute, 1964
Owens, William, 1964-65
P, 1950-70
Pedersen, Dahrl M., 1960-71
Ping, Chieh-Min, 1973-76
Posavac, Emil J., 1968
Pratscher, George, 1975
Pratt, Robin Whitlock, 1965-68
Psychological Corporation, 1958
Psychological Review, 1960-64
Psychometric Corporation, 1952-68
Psychometric Society, 1961-73
Psychometrika (2 folders), 1954-74
McDonald Manuscript, 1971-73
Psychonomic Society, 1962-64
Publishers, 1961-68
Q, 1967-68
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Richards, Larry G., 1964-74
Rodwan, Albert S., 1960-67
Rondonelli, Robert, 1973-76
Rumery, Robert E., 1964-67
Rummel, R. J., 1968-69
S, 1950-70
Samejima, Fumiko, 1965-69
Schoneman, Peter H., 1963-69
Scott, Keith G., 1969-72
Sheth, Jagdish N., 1969
Sigborn, Frances, 1961-62
Slotnik, Burton N., 1961-62
Slotnik, Lee N. (Kaufman), 1961-63
Snyder, Frank W., 1964-70
Soltz, Donald, 1961-65
Stake, Robert E., 1959-68
Steffy, Richard A., 1960-63
Stewart, Thomas R., 1968-70
T, 1948-74
Tatsuoka, Kikumi, 1974
Taylor, Peter, 1965-68
Terwilliger, James, 1960-66
Thurstone, Louis L., 1950-56
Tribute to--Invitational Conference, 1955

Book Committee, 1952-55
Tzeng, Oliver, 1972-76
U, 1952-69
V, 1954-69, 1975

Box 4: Correspondence (continued)

W, 1950-70, 1982
Walker, Crayton C., 1964-65
Wearing, Alexander, 1966-68
Weintraub, Daniel J., 1961-62
White, Owen, 1966-68
Wiggins, Nancy Ann Hirschberg, 1963-73
Wrigley, Charles, 1957-62
Y, 1951, 1965-70, 1977
Yimer, Makonnen, 1973
Young, P. T., 1955
Z, 1952-66, 1979-80
Zubin, Joseph, 1955, 1969
Student Placement (3 folders), 1967-70
Doctoral Candidate Correspondence
Adamopoulos, John, 1967-68
Amon Hortelano, Jesus, 1964-66
Anderson, Gary A.
Anderson, Lynn, 1963-64
Araway, Richard J., 1965-67
Atkin, Robert, 1974-75
Auwoloye, Ezekiel O., 1969-73
Bass, Alan R., 1963
Blackburn, Margaret, 1968-70
Bolz, Charles R., 1972
Bowen, Max, 1965-69
Bowers, Patricia, 1965
Cohen, Harvey, 1972-73
Collins, James F., 1968-69
De Marco, William, 1962-69
Derman, Diran, 1961-63
Drude, Kenneth P., 1972
Dusek, Jerome, 1968-69
D'Zurilla, Thomas J., 1963-64
Erwin, William H., 1965
Frazee, Vernon, 1966

Friden, Tom, 1970
Frinke, Gerald, 1964
Gilbert, Susan, ca. 1964
Hackman, J. Richard, 1963-64
Hamilton, David L., 1967-68
Hamstra, Bruce, 1974
Herman, Jeanne, 1970-72
Herning, Ronald, 1973-75
Horn, John L., 1964
Hunka, Stephen M., 1960-63
Hunter, John E., 1963-67
Hunter, Ronda Fink, 1963
Johnson, Robert A., 1972
Julian, James, 1960-63
Kaplan, Kalman J., 1965-68
Karabinus, Robert A., 1965
Kelly, Geraldine, 1967-68
Keren, Gideon, 1974-76
Killian, Larry, 1966
Kohfeld, David L., 1965-66
Krantz, James M., 1974-75
Kriekhaus, Edward E., 1960-62
Krug, Ronald S., 1962-65
Kutscher, Charles, 1961-62
Lask, Emanuel (2 folders), 1960-62, 1965
Lubitz, Ralph, 1962
Magaro, Peter A., 1962
Marlin, Marjorie M., 1965-66
Marrer, Albert M., 1963
Matteson, Halsey H., 1962-63
McGaw, Barry, 1970
McQuarrie, Duncan, 1970-71
Meredith, Connie, 1963-69
Montanelli, Dale, 1969-75
Ogle, Michael E., 1964
Paraskevopoulos, John, 1966
Pieszko, Henry J., 1969-70
Richards, Meredith, ca. 1968
Rothman, Howard, 1967
Shikiar, Richard, 1967, 1971-72
Spitzer, Craig, 1977-78
Thompson, John H., 1962-64

Urbano, Richard, 1968-69
 Thesis Proposal, 1969
 Vavra, Terry, 1969-70
 Weldon, David, 1972-74
 Williams, Esther Amy, 1970-71
 Williamson, John, 1963-66
 Yimer, Makonnen, 1973

Box 5: Course Materials

Math 315, Linear Transformations and Matrices, Fall Semester, 1960
 Psychology 135, Fall Semester, 1962-63
 Lab Material, Psychology 135 #1, Frequency Counts and Distributions
 Psychology 135H, Fall '62-'63, Supplementary Notes on Correlation, 1963
 Final Examination, 1963
 Psychology 290, Introduction to Psychological Tests and Measurements, Lab before 1960-
 61
 Fall Term (2 folders), 1960-61
 Quizzes and Examinations, 1960-61 First Term, 1960-1962
 Record Materials, 1961
 First Semester Tests, 1961-62
 First Semester, 1961-62
 Tests, 1961-62
 Selected References, First Semester, 1961-62
 Stencils for Mid-Term, 1961-62 Second Semester, 1962
 1961-62 Second Semester, 1962
 Psychology 306, First Semester, 1963-64
 Psychology 307, Factor Analysis (7 folders), 1963-64, 1968-79
 Psychology 403, Proseminar I (7 folders), 1960-66
 Proseminar talk, Jan. 5, 1966
 Dec. 13, 1967
 Psychology 409, Psychological Scaling (6 folders), 1955-57, 1961-69

Box 6: Course Materials (continued)

Psychology 409, Psychological Scaling, 1969-70 1st semester, 1955-57, 1963-70
 Exams, 1965-70
 (Master) Reserve Book List and other "1st day" Masters, 1965-70
 1st Semester 1969-70, Equal Appearing Intervals Project, 1965-69
 Constant Sum Project, 1969
 Multidimensional Scaling Project, 1968-69
 Paired Comparisons Example, 1967-69

Psychology 466 (2 folders), 1961-64
 Fall '62-'63 Testing Project, Extra Test Copies, 1962
 Psychology 493 (31 folders), 1958-81
 Psychology 494, Multivariate Analysis (7 folders), 1961-69

Box 7: Course Materials (continued)

Psychology 494, Multivariate Analysis (16 folders), 1967-84
 Examinations, 1970-84
 Psychology 495, Theory of Measurement (3 folders), 1960-65
 Research Bulletins, ETS Articles and other articles in boxes, 1966-70
 Committee Files
 Graduate Education Committee, 1975-76
 Biomedical Computer Programs, 1969
 Course Evaluation Questionnaire Committee, 1971-72

Box 8: Committee Files (continued)

Ad Hoc Committee in re "Personal Profit," 1971-72
 Grading Systems Committee, 1960-64
 Center for Advanced Study (2 folders), 1969-73
 President's Faculty Conference "Educational Opportunities," Spring 1965
 Digital Computer Laboratory Search, 1963-64
 Committee on Computer Utilization, 1959-63
 Computer Utilization, Social Science, 1960-62
 Graduate College, Graduate Fellowship Committee (4 folders), 1964-68
 Dean of Women's Studies, 1962-65
 Grading Policy, U. of I., Robert E. Stake, 1968
 Sabbatical Leave, 1965-66
 Poster: Measurement Psychology & Educational, 1962-63
 Psychology 306-307 Committee, 1961-64
 Instructor Evaluation Project by Undergraduates, 1959-63
 Prelim Reading List, Measurement Psychology, 1965-66
 Prelim Exam Rating Methods, 1964
 Qualifying Examinations (17 folders), 1955-79, 1986
 Specialist Examination Notes, 1954-59
 Committee File (continued)
 Advisory Committee, Department of Psychology (3 folders), 1961-66
 American Association of University Professors, 1960-65
 Sigma Xi (2 folders), 1963-65
 Promotion Committee, J. Wiggins, 1965-66
 Evaluation Committee, 1969

Faculty Search Committee Measurement Psychology, 1969-70
 Special Advisory Committee Election, Spring, 1967
 Notice forms and distribution lists, Returned Schedules, 1969
 Advisor Committee Election, 1966
 Recommendations, 1961-70

Box 9: Meeting, Conference, and Research Publication File

Handbook of Multivariate Experimental Psychology, 1960-65
 Psychometric Society Meeting, October 8-10, Niagara Falls, Ontario, Canada, 1964
 Triandis Project, 1963-64
Mental Measurement Yearbook, 1963
 Addison-Wesley Publishing Co., 1961
 Paired Comparisons Maximum Likelihood, 1958, 1962
 University Research Board, 1961-62
 Eckart-Young Procedure, 1963
 Mathematical Notes
 Henry F. Kaiser, "Relating Factors," 1960
 Psychonomic and Psychometric Meetings, Niagara Falls, 1964
 American Psychological Association (1962) Division 5 Presidential Address, 1959-63
 Factor Analysis in Learning Conference (1959), Washington University, 1958-59
 Formal Models for a Central Prediction System, 1961-63
 An Individual Difference Model for Multidimensional Scaling, 1963
 Obtaining Squared Multiple Correlations for Singular R, 1969-72
 Office of Naval Research Symposia: Human Judgments and Optimality, 1962=64
 Annual Review of Psychology, Vol. 14: Chapter: Scaling and Test Theory, 1960-63
 Stanford Educational Conference (Cronbach) July 15-16, 1965
 American Psychological Association, 1961
 Meetings, 1967
 A Method for Scaling Ability Test Items Taking Item Unreliability into Account, 1948
 Factor Analysis Computing--Use of Whirlwind Computer at MIT for F. Lords Study, 1952
 Symposium on Large Scale Digital Computing Machines 9-13-49, 1949-50
 Meeting of Multivariate Experimentalists Nov. 14, 15, 16, 1960 (Cattell), 1960-61
 American Psychological Association Fellow Nominations, 1968
 Society of Multivariate Experimental Psychology, 1963
 Schönemann-Tucker "Successive Intervals," 1966-67
 Three dimensional matrices, 1960-61
 Evaluation of Factor Analytic Research Procedures by Means of Simulated Correlation
 Matrices, 1967
 American Psychological Association Division of Evaluation and Measurement, 1960-62
 Psychometric Society Symposium, Spring, 1969
 Conference on Human Judgment (1970), University of Colorado, 1969-70

College of William and Mary, 1971
 Training Conference on Multidimensional Scaling (June 1972), 1962, 1970-72
 M. S. curricula, 1962-70
 Measurement Psychology Curriculum, 1965-68
 Quantitative Methods Reading List
 December 1968 Committee on Applied Program in Measurement Psychology, 1968
 Measurement Program, 1968-70
 Test Questionnaire Analysis and Research
 A Restatement of the Equations for Lawley's Maximum Likelihood Method of Estimating
 Factor Loadings, 1949, 1953
 Simplified Punch Card Methods in Factor Analysis, 1946, 1953
 Standard Scores Corresponding to Percentiles
 A Method for Scoring Ability Test Items Taking Item Unreliability Into Account, 1948
 General Goals of Life Inventory Answer Sheets, 3/55 Reprint 1955
 Goals of Life Questionnaire 10-25-62 Version, 1962, 1975
 Individual Differences in Multidimensional Scaling, draft, 1960
 Determination of Generalized Learning Curves by Factor Analysis, Correspondence, 1961-
 62
 General Goals of Life Inventory (Cooperative Study in General Education) 3/55 Reprint,
 1955
 Gulliksen Questionnaires Inter-Cultural Study

Box 10: Testing Research and Conference File

Dessert Preferences Paired Comparison, Graphs
 Automobile Preference Study, Correspondence and Pictures (Originals), 1956
 Reference Vector Model, 1954-59
 Watch Reference Experiment
 Conceptual Input Factor Loadings 3 Factor Domain, Table 1
 (Seven Factors), Table 2
 Tables Three and Four, Sums of Squares of Factor Loadings and Values of c_j
 Matrix A_i Table 5
 Sums of Squares of A_i Table 6
 Values of b_{ij}^2 Table 7
 Summary of R^2
 R^2 R_wSMC B Low (to 12 Factors)
 Summary of the ϕ^2
 ϕ^2 Middle Model
 Principal Axes Roots Middle Model BL-7
 Principal Axes Root B Wide
 R^2 Middle Model R_wSMC Low b_{ij}^2
 Correlation Simulation Study, 1964

ϕ^2 RwSMC B Low (to 12 Factors)
 Simulation Study: Maximum Likelihood Solutions, 1968
 Simulated Correlation Matrices, 1964
 Tables
 Type S+R Model, 1962-63
 Tests, 1955-64
 Test Service Bulletin, 1948-59
 Specimen Sets Kuhlmann-Anderson Test, 1960
 Specimen Tests, 1956-66
 Primary Mental Abilities, 1938-58
 American Council on Education Psychological Examination, 1946
 Evaluation of Factor Analytic Research Procedures by Means of Simulated Correlation
 Matrices, Correspondence Regarding, 1968-69
 Comment article on Gollob paper, 1968
 Factors in Allocation of Votes..., American Psychological Association Analysis, 1972-75
 Psychometric Society, 1969
 Naval Personnel and Training Research Laboratory, October Conference on Personnel
 Selection and Classification Research, 1970
 Factor Analytic Models for the Aptitude-Achievement Distinction CTB/McGraw-Hill
 Conference 2/1-3/73, 1973-74
 Educational Testing Service 1964 Invitational Conference, 1964-65
 Shannon Project, 1962
 Some Mathematical Notes on Three-Mode Factor Analysis, 1965-66
 Three-Mode Factor Analysis of Parker-Fleishman Complex Tracking Behavior Data, Aug.
 '65 Technical Report, 1964-67
 Invitation Conference on "Problems in Measuring Change," 1961-62
 Educational Testing Service Conference, Thurstone Hall, 1962-64
 Dedication Ben D. Wood Hall, May 11-12, 1965
 Horst Manuscript "Psychological Measurement and Prediction" and Wadsworth
 correspondence Spring-Summer, 1965
 Kimberly-Clark, Creative Research Associates Study, 1966
 George Peabody College, 1963-64
 Naval Reserve Research Company, March 15, 1966
 December 9-11, 1966 Conference on Cluster Analysis, 1966-67
 Psychometric Society Spring 1967 Meeting, 1966-67
 Bradley University Jan. 11, 1968
 Paper for Psychometric Society March, 1967
 Psychometric Society April 1968 Symposium, 1967-68
 Fundamental Skills for Statistics
 University of Hawaii, 1965-66
 Quantitative Methods I Psychology 620
 Workshop in Multivariate Analysis Summer, 1968

Seminar, 1966
 Colloquium University of Chicago 1/16/67, 1965-67
 The Ledyard R Tucker Symposium of Psychometric Theory 24-25 April 1980, 1978-80

Box 11: Office of Naval Research Individual Differences Project, Factor Analysis

Technical Report Mailing and Distribution Enclosures, 1970-71
 Document Control Data Sheet Forms and Instructions, 1965-71
 Office of Naval Research Project Application (2 folders), 1961-63
 Office of Naval Research Proposal (7 folders), 1963-70
 Final Report Office of Naval Research Contract (1967), 1961, 1967
 Office of Naval Research Project Progress Reports (8 folders), 1962-69
 Office of Naval Research Status Reports (2 folders), 1970
 Mailing List for Technical Reports, from Office of Naval Research, 1962-69
 Defense Documentation Center Accession Notices, 1967
 Office of Naval Research Project Notes, 1961-72
 Office of Naval Research, 1967-71
 Project Reprints, 1964-66
 Contract, Computer Miscellany, 1962-70
 Monthly Time Reports Office of Naval Research Project, 1961-68
 Office of Naval Research, List of Participants, 1961
 Report of First Meeting, 1961
 Correspondence, 1961-62
 Memoranda, 1961-63
 Office of Naval Research Project Factor Analysis Working Group (19 folders), 1960-70

Box 12: Factor Analysis Research File

Rotation of Axes by Cubic Hyperbola, 1969
 Canonical Correlations and Factor Analysis, 1965-66
 Multiple Regression from Factor Analysis, 1950-60
 Linn, Rotation of Axes
 Three-Mode Factor Analysis Program, Oct., 1964
 Box Problems, 1960
 Max A. Woodbury, Three dimensional factors, 1962
 Three Dimensional Factor Analysis "School Administrators In Basket" Intercorrelations,
 1962
 Three Dimensional Component Analysis of "School Administration Inbasket Scores," 1962-
 63
 Three-Dimensional Analysis In-Basket Rotation of Axes, 1962-63
 Proverbs Test, 1967
 Publications (14 folders), 1940-88

List of publications held by Educational Testing Service archives, 1992

Factor Analysis Research File (continued)

Reports, Office of Naval Research Project on Techniques for Investigation of Structure of Individual Differences in Psychological Phenomena, 1964-71

Drasgow, Fritz (6 publications), 1978-83

University of Illinois Psychology Department, 1986

Research Bulletin, ACOVSM, 1971

Factor Analysis, 1967-80

"A Fortran II Program for Three-Mode Factor Analysis," 1966-68

Computation of Discriminant Components, Notes on LRT 11/15/73 Psychology 494, 1936, 1971-81

Factor Analysis Handouts, 1968, 1978-80

Canonical Correlation Example Dec. 15, 1971

Transformation of Factors Handouts, 1975-80

Covariance Papers, 1946, 1970

Box 13:

An Introduction to Matrix Algebra Operations (Lecture Notes) 1/23/80, 1978-82

Statistical Analysis of Research Proposals

Armstrong Article, 1967-74

Jöreskog and Sörbom 8/16/76, 1973-76

Individual Differences in Paired Comparison Scaling, 1968-71

Victoria Seitz, 1970-71

Three Mode Factor Analysis of Serial Learning, 1971-72

Love, William, Serial Position Study, 1970-71

Miron Wish Data, 1969, 1974-75

Carl Helm Data Reanalysis, 1970-71

TORSCA [Young-Torgeson Nonmetric Multidimensional Scaling] Analysis

Canonical Inter-Battery Factor Analysis, 1958, 1965, 1971-73

Note on Number of Attributes, 1974

Statement of the Method of False Position, 1965

An experiment in generating a problem correlation matrix for Maximum Likelihood Factor Analysis, 1977-84

Emanuel Donchin Data, 1970-71

Jerry Hirsch - Emanuel Donchin Proposal, 1970

Varimax Rotation for Simulated Correlation Matrices

Math Note, 1964-68

Draft Program for Three-Mode MDS, 1972-75

Battery Adequacy, 1966-73

Binary data, 1974

Dimensional Analysis of Binary Data, 1965-67

Item Simulation Study, 1972-73
College Entrance Examination Board Score Distribution for Item Distribution, 1971-72
Constrained Regression System, 1971-73
Singular Value Decomposition of Matrices, 1969-70
Predictive Composites by Least Squares, 1973-77
Factor Fitting to Original Measures, 1967-70
Factor Fitting Notes, 1967-68
Fitting of Factor Model to Original Observations by a Canonical Approach, 1972
Fitting of Hyper-Planes by a Personal Probability Function, 1970
Symmetric Subjective Probability Function, 1970
Montanelli-Humphreys Weights June, 1979
Canonical Predictive Composites, 1970-73, 1978-81
Correspondence, 1983-86