DOCUMENT RESUME

ED 280 337 HE 020 152

AUTHOR Metzner, Barbara S.

TITLE A Categorical Bibliography for Student Attrition

Research.

PUB DATE Mar 87 NOTE 185.

PUB TYPE Reference Materials - Bibliographies (131)

EDRS PRICE MF01/PC01 Plus Postage.

DESCRIPTORS *Academic Persistence; *College Students; Commuter

Colleges; Dropout Prevention; *Dropout Research; *Educational Research; Higher Education;

Intervention; Models; Research Design; Residential Colleges; School Holding Power; *Student Attrition;

Two Year Colleges

ABSTRACT

A bibliography of research on student attrition is presented. The 175 references, most of which are dated 1970 or later, are categorized under the following headings: research design, models of the attrition process, some historical perspectives, recent reviews of research-performance variables, empirical studies for 1970-1987, and intervention for retention. The empirical studies concern residence-oriented four-year institutions, commuter-oriented four-year institutions, and two-year colleges. (SW)

************************ Reproductions supplied by EDRS are the best that can be made from the original document. *************************



A Categorical Bibliography

for

Student Attrition Research

Barbara S. Metzner Counselor and Adjunct Assistant Professor of Psychology 303 Cavanaugh Hall Indiana University-Purdue University-Indianapolis Indianapolis, Indiana 46202

March, 1987

"PERMISSION TO REPRODUCE THIS MATERIAL HAS BEEN GRANTED BY

metanes

TO THE EDUCATIONAL RESOURCES INFORMATION CENTER (ERIC)."

U.S. OEPARTMENT OF EDUCATION
Office of Educational Research and Improvement
EDUCATIONAL RESOURCES INFORMATION
CENTER (ERIC)

This document has been reproduced as received from the person or organization or organization critical management of the person of organization or organization organization organization reproduction quality.

Points of view or opinions stated in this docu-ment do not necessarily represent official OERI position or policy

020152

Table of Contents

| Res | search Design | • • | ÷ | | • | • | • | • | • | | | • | • | • | 1 |
|------|----------------|---------|-------|------|----------|-------|------|------|------|----|-------|-----|--------|---|------------|
| Mod | lels of the At | trition | Proc | ess | • | | • | - | ÷ | i | • | | | | 1 |
| Som | e Historical | Perspec | tives | : : | • | • | | | - | | ë | : | | • | 2 |
| Rec | ent Rēviēws o | f Resea | rch: | Per | for | nancë | of | Var: | iabl | es | • | | | • | 2 |
| Emp | iricāl Studies | 1970- | 1987 | ÷ | <u>.</u> | • | | .• | • | • | • | • | - • | • | 3 |
| | Rēsidēnce-Or | :iented | Four- | -Yea | r İn | stit | utic | ns | • | ÷ | • | | • | • | 3 |
| | Commuter-Ori | ented I | our-Y | lear | Ins | titu | tion | ıŜ | • | ÷ | | · • | | : | ē |
| | Two-Year Col | leges | • | • | | • | • | • | • | • | | | | | iö |
| Inte | rvention for | Retenti | on | • | | | | | • | • | ÷ | • | • | - | <u>1</u> 4 |



Research Design

- Lenning, O. T., Beal, P. E., & Sauer, K. (1980). Retention and attrition:

 <u>Evidence for action and research</u>. Boulder, CO: National Center for

 Higher Education Management Systems.
- Pascarella, E. T. (Ed.). (1982). Studying student attrition. San Francisco: Jossey-Bass.
- Pascarella, E. T. (1986). A program for research and policy development on student persistence at the institutional level. <u>Journal of College Student Personnel</u>, 27, 100-107.
- Terenzini, P. (1980). An evaluation of three basic designs for studying attrition.

 Journal of College Student Personnel, 21, 257-261.

Models of the Attrition Process

- Bean, J. P. (1980). Dropouts and turnover: The synthesis and test of a causal model of student attrition. Research in Higher Education, 12, 155-187.
- Bean, J. P. (1982). Conceptual models of student attrition: How theory can help the institutional researcher. In E. T. Pascarella (Ed.), Studying student attrition (pp. 17-33). San Francisco: Jossey-Bass.
- Bean, J. P., & Metzner, B. S. (1985). A conceptual model of nontraditional undergraduate student attrition. Review of Educational Research, 55, 485-540.
- Pascarella, E. T. (1980). Student-faculty informal contact and college outcomes.

 Review of Educational Research, 50, 545-595.
- Rootman, I. (1972). Voluntary withdrawal from a total adult socializing organization: A model. Sociology of Education, 45, 258-270.
- Spady, W. G. (1970). Dropouts from higher education: An interdisciplinary review and synthesis. <u>Interchange</u>, 1, 64-85.
- Tinto, V. (1975). Dropout from higher education: A theoretical synthesis of recent research. Review of Educational Research, 45, 89-125.
- Tinto, V. (1982). Limits of theory and practice in student attrition. <u>Journal of Higher Education</u>, <u>53</u>, 687-700. (Discusses limitations of 1975 model, other theoretical research, and practical applications)
- Tinto, V. (1987). Leaving college: Rethinking the causes and cures of student attrition. Chicago: University of Chicago Press.



Some Historical Perspectives

- Iffert, R. E. (1957). Retention and withdrawal of college students (Office of Education Bulletin 1958, No. 1). Washington, DC: U. S. Department of Health, Education and Welfare. (Longitudinal study from 1950-1954 with entering freshmen at a random sample of 147 colleges)
- Knoell, D. M. (1966). A critical review of research on the college dropout. In L. A. Pervin, L. E. Reik, & W. Dalrymple (Eds.), The college dropout and the utilization of talent (pp. 63-81). Princeton, NJ: Princeton University Press. (Critique of research designs, including "autopsy study" named by author in 1960; recommends research with diverse student and institutional populations such as those found among two-year colleges and more action research)
- McNeeley, J. H. (1937). College student mortality (Bulletin No. 11). Washington, DC: U. S. Department of the Interior. (Early multi-institutional study)
- Sexton, V. S. (1965). Factors contributing to attrition in college populations:

 Twenty-five years of research. <u>Journal of General Psychology</u>, 72, 301-326.

 (Review of research from 1933 to 1958)
- Spady, W. G. (1970). Dropouts from higher education: An interdisciplinary review and synthesis. Interchange, 1, 64-85. (Ilterature review and critique of research from the 1950s and 1960s; advocates more theory-based research)
- Summerskill, J. (1962). Dropouts from college. In N. Sanford (Ed.), The American college (pp. 627-657). New York: Wiley. (Review of research from 1924 to 1960)
- Trent, J. W., & Medsker, L. L. (1968). <u>Beyond high school</u>. San Francisco: Jossey-Bass. (U. S. Office of Education longitudinal study of 4800 high school graduates who attended college from 1959-1963)

Recent Reviews of Research: Performance of Variables

- Bean, J. P., & Metzner, B. S. (1985). A conceptual model of nontraditional undergraduate student attrition. Review of Educational Research, 55, 485-540.
- Cope, R. G., & Hannah, W. (1975). Revolving college doors. New York: Wiley.
- Lenning, O. T., Beal, P. E., & Sauer, K. (1980). Retention and attrition:

 Evidence for action and research. Boulder, CO: National Center for
 Higher Education Management Systems.



- Pantages, T. J., & Creedon, C. F. (1978). Studies of college attrition: 1950-1975. Review of Educational Research, 48, 49-101.
- Ramist. L. (1981). College student attrition and retention (College Board Report No. 81-1). New York: College Entrance Examination Board. (Also ERIC Reproduction Service No. ED 200 170)
- Tinto, V. (1975). Dropout from higher education: A theoretical synthesis of recent research. Review of Educational Research, 45, 89-125.

Empirical Studies 1970-1987

Residence-Oriented Four-Year Institutions

- Aitken, N. D. (1982). College student performance, satisfaction, and retention. Journal of Higher Education, 53, 32-50.
- Allen, T. R. (1986). Orientation participation and persistence behavior of students at Southern Illinois University at Carbondale. <u>Dissertation Abstracts International</u>, 46, 3259A. (University Microfilms No. 8526637)
- Anderson, K. L. (1981). Post-high school experiences and college attrition.

 Sociology of Education, 54, 1-15.
- Anderson, K. L. (1984). Institutional differences in college effects, final report. Washington, DC: National Institute of Education. (ERIC Document Reproduction Service No. ED 256 204)
- Astin, A. W. (1972). College dropouts: A national profile. Washington, DC: American Council on Education.
- Astin, A. W. (1975). Preventing students from dropping out. San Francisco: Jossey-Bass.
- Bean, J. P. (1980). Dropouts and turnover: The synthesis and test of a causal model of student attrition. Research in Higher Education, 12, 155-187.
- Bean, J. P. (1982). Student attrition, intentions, and confidence: Interaction effects in a path model. Research in Higher Education, 17, 291-320.
- Bean, J. P. (1983). The application of a model of turnover in work organizations to the student attrition process. Review of Higher Education, 6, 129-148.
- Bean, J. P. (1985). Interaction effects based on class level in an explanatory model of college student dropout syndrome. American Educational Research Journal, 22, 35-64.



- Blanchfield, W. C. (1971). College dropout identification: A case study.

 Journal of Experimental Education, 40, 1-4.
- Bradshaw, R. D. (1986). Student retention and academic success at selected liberal arts colleges. <u>Dissertation Abstracts International</u>, 47, 1618A. (University Microfilms No. 8607890)
- Brendel, R. G. (1985). A study of the influence of selected institutional and subject variables on the retention of students at Walla Walla Coilege.

 Dissertation Abstracts International, 46, 1516A. (University Microfilms No. 8517561)
- Brigman, S. L., Kuh, G. D., & Stager, S. F. (1982). Those who choose to leave:
 Why students voluntarily withdraw from college. Journal of the National
 Association for Women Deans, Administrators, and Counselors, 45, 3-8.
- Burkhardt, J. C. (1986). Retention in higher education: Organizational differences and effectiveness. <u>Dissertation Abstracts International</u>, 47, 798A. (University Microfilms No. 8612486)
- Byrum, J. E., & Thompson, W. E. (1983). Dropouts, stopouts and persisters:
 The effects of race and sex composition of college classes. College and
 University, 58, 39-48.
- Carter, G. F. (1987). Factors related to college attrition: A validation of the Tinto model of college withdrawal at three class levels. Dissertation Abstracts International, 47, 3619A (University Microfilms No. 8702699)
- Cash, R. W., & Bissel, H. L. (1985). Testing Tinto's model of attrition on the church-related campus. Paper presented at the annual forum of the Association for Institutional Research, Portland, OR. (ERIC Document Reproduction Service No. ED 259 686)
- Churchill, W. D., & Iwai, S. I. (1981). College attrition, student use of campus facilities, and a consideration of self-reported personal problems. Research in Higher Education, 14, 353-365.
- Cross, P. H., & Astin, H. S. (1981). Factors affecting black students persistence in college. In Black students in higher education, edited by Gail E. Thomas (pp. 76-90). Westport, CT: Greenwood Press.
- Curran, J. (1981). Why do students leave the university? Paper presented at the annual convention of the American Psychological Association, Los Angeles. (ERIC Document Reproduction Service No. ED 210 974)
- Demitroff, J. F. (1974). Student persistence. College and University, 49, 553-565.
- Disque, C. S. (1983). The relationship of student characteristics and academic integration to college freshman attrition. <u>Dissertation Abstracts International</u>, 43, 3820A-3821A. (University Microfilms No. 8302569)
- Drake University. (1974). Advising-attrition effects: A 12-month analysis.

 Des Moines, IA: Author. (ERIC Document Reproduction Service No. ED 119 603)



- Dulniak, D. J. (1982). Predicting freshmen dropouts at Montana State University using selected institutional data. <u>Dissertation Abstracts International</u>, 42, 3455A-3456A. (University Microfilms No. 8201177)
- Endo, J. J., & Harpel, R. L. (1979). A longitudinal study of attrition.

 Boulder: University of Colorado. (ERIC Document Reproduction Service No. ED 174 095)
- Enos, P. B. (1981). Student satisfaction with faculty advising and persistence beyond the freshman year in college. <u>Dissertation Abstracts International</u>, 42, 1985A. (University Microfilms No. 8123315)
- Everett, C. L. (1979). An analysis of student attrition at Penn State.
 University Park: Pennsylvania State University, Office of Planning and Budget.
- Fetters, W. B. (1977). National Longitudinal Study: Withdrawal from institutions of higher education. Washington, DC: Department of Health, Education, and Welfare, National Center for Education Statistics. (ERIC Document Reproduction Service No. ED 150 913)
- Gaines, V. M. (1985). Student attrition at Southern Illinois University at Carbondale: 1977-1982. <u>Dissertation Abstracts International</u>, 46, 613A. (University Microfilms No. 8510019)
- Gathers, E. G. (1982). A retention study of horizontal transfer, vertical transfer, and native students at a selected university. <u>Dissertation Abstracts International</u>, 43, 3232A. (University Microfilms No. 8304858)
- Getzlaf, S. B., Sedlacek, G. M., Kearney, K. A., & Blackwell, J. M. (1984).

 Two types of voluntary undergraduate attrition: Application of Tinto's model.

 Research in Higher Education, 20, 257-268.
- Hackman, J. R., & Dysinger, W. S. (1970). Research notes: Commitment to college as a factor in student attrition. Sociology of Education, 43, 311-324.
- Jaffe, A. J., & Adams, W. (1970). Academic and socioeconomic factors related to entrance and retention at two- and four-year colleges in the late 1960s.

 New York: Columbia University, Bureau of Applied Social Research. (ERIC Document Reproduction Service No. ED 049 679)
- Johansson, C. B., & Rossmann, J. E. (1973). Persistence at a liberal arts college: A replicated, five-year longitudinal study. <u>Journal of Counseling Psychology</u>, 20, 1-9.
- Johnson, R. H. (1980). The relationship of academic and social integration to student attrition—A study across institutions and institutional types.

 <u>Dissertation Abstracts International</u>, 41, 1868A. (University Microfilms No. 8025700)



- Kamens, D. H. (1972). The effects of college on student dropout. Final report.

 Boston, MA: Northeastern University, Center for Applied Social Research.

 (ERIC Document Reproduction Service No. ED 068 038)
- Kowalski, C. (1977). The impact of college on persisting and nonpersisting students. New York: Philosophical Library.
- Kramer, G. L., Moss, R. D., Taylor, L. T., & Hendrix, L. J. (1985). Why students persist in college: A categorical analysis. National Academic Advising Association Journal, 5, 1-17.
- Krebs, R. E., & Liberty, P. G., Jr. (1971). A comparative study of three groups of withdrawal students on ten factor variables derived from a 36-problem self-report inventory. Austin: University of Texas. (ERIC Document Reproduction Service No. ED 052 690)
- Mattox, V. R. (1984). A study of a means for the early identification of potential college dropouts. <u>Dissertation Abstracts International</u>, 44, 2688A. (University Microfilms No. 8400254)
- Meyers, E. M., III. (1981). A comparative analysis of persisters, permanent dropouts, dropouts who transfer, and stopouts at St. Cloud State University. Dissertation Abstracts International, 42, 105A. (University Microfilms No. 8113988)
- Monts, S. L. (1986). A study of freshman persistence and retention at a large midwestern university. <u>Dissertation Abstracts International</u>, 47, 803A. (University Microfilms No. 8608954)
- Munro, B. H. (1981). Dropouts from higher education: Path analysis of a national sample, American Educational Research Journal, 18, 133-141.
- Naylor, P. D., & Sanford, T. R. (1982). Intrainstitutional analysis of student retention across student levels. College and University, 57, 143-159.
- Nelson, R. B., Scott, T. B., & Bryan, W. A. (1984). Precollege characteristics and early college experiences as predictors of freshman year persistence.

 Journal of College Student Personnel, 25, 50-54.
- Pascarella, E. T. (1985). Racial differences in factors associated with bachelor's degree completion: A nine-year follow-up. Research in Higher Education, 23, 351-373.
- Pascarella, E. T., & Chapman, D. W. (1983). A multi-institutional, path analytic validation of Tinto's model of college withdrawal. American Educational Research Journal, 20, 87-102.
- Pascarella, E. T., & Terenzini, P. T. (1977). Patterns of student-faculty informal interaction beyond the classroom and voluntary freshman attrition. Journal of Higher Education, 48, 540-552.



- Pascarella, E. T., & Terenzini, P. T. (1980). Predicting freshman persistence and voluntary dropout decisions from a theoretical model. <u>Journal of Higher Education</u>, <u>51</u>, 60-75.
- Pascarella, E. T., & Terenzini, P. T. (1983). Predicting voluntary freshman year persistence/withdrawal behavior in a residential university: A path analytic validation of Tinto's model. Journal of Educational Psychology, 75, 215-226.
- Pascarella, E. T., Terenzini, P. T., & Wolfle, L. M. (1986). Orientation to college and freshman year persistence/withdrawal decisions. Journal of Higher Education, 57, 155-175.
- Peng, S. S., & Fetters, W. B. (1978). Variables involved in withdrawal during the first two years of college: Preliminary findings from the National Longitudinal Study of the High School Class of 1972. American Educational Research Journal, 15, 361-372.
- Rootman, I. (1972). Voluntary withdrawal from a total adult socializing organization: A model. Sociology of Education, 42, 258-270.
- Spady, W. G. (1971). Dropouts from higher education: Toward an empirical model. Interchange, 2, 38-62.
- Stage, F. K. (1986). University persistence: Motivational orientation within the Tinto model. <u>Dissertation Abstracts International</u>, 47, 1628A. (University Microfilms No. 8616465)
- Steele, M. W. (1978). Correlates of undergraduate retention at the University of Miami. Journal of College Student Personnel, 19, 349-352.
- Strom, S. (1985). The effect of academic and social integration, goal and institutional commitment and precollege characteristics upon voluntary freshman persistence at the University of Missouri-Columbia. <u>Dissertation Abstracts International</u>, 46, 909A. (University Microfilms No. 8512244)
- Terenzini, P. T., Lorang, W. G., & Pascarella, E. T. (1981). Predicting freshman persistence and voluntary dropout decisions: A replication. Research in Higher Education, 15, 109-127.
- Terenzini, P. T., & Pascarella, E. T. (1977). Voluntary freshman attrition and patterns of social and academic integration in a university: A test of a conceptual model. Research in Higher Education, 6, 25-43.
- Terenzini, P. T., & Pascarella, E. T. (1984). Freshman attrition and the residential context. Review of Higher Education, 7, 111-124.
- Terenzini, P. T., Pascarella, E. T., Theophilides, C., & Lorang, W. G. (1985).

 A replication of a path analytic validation of Tinto's theory of college student attrition. Review of Higher Education, 8, 319-340.
- Thomas, J. L. (1982). Attrition and retention factors at four private institutions.

 <u>Dissertation Abstracts International</u>, 43, 1855A. (University Microfilms No. 8225365)



- Timmons, F. R. (1977). Freshman withdrawal from college: An empirical examination of the usefulness of "autopsy studies." Psychological Reports, 41, 672-674.
- University of California (1980). Retention and transfer: University of California undergraduate enrollment study. Berkeley: University of California, Office of the Academic Vice-President. (ERIC Document Reproduction Service No. ED 215 597)
- Velez, W. (1985). Finishing college: The effects of college type. Sociology of Education, 58, 191-200.

Commuter-Oriented Four-Year Institutions

- Adair, M. K. (1985). A comparative study of the factors influencing the persistence and non-persistence of nontraditional female students.

 <u>Dissertation Abstracts International</u>, 46, 847A. (University Microfilms No. 8507841)
- Allen, D. F. (1986). Attrition at a commuter institution: A path analytic validation of Tinto's theoretical model of college withdrawal. Paper presented at the annual meeting of the American College Personal Association, Los Angeles. (ERIC Document Reproduction Service No. ED 274 929)
- Baumgart, N. L., & Johnstone, J. N. (1977). Attrition at an Australian university. Journal of Higher Education, 48, 553-570.
- Berkove, G. (1976). Returning women students: A study of stress and success.

 Paper presented at the annual convention of the Western Social Science

 Association, Tempe, AZ. (ERIC Document Reproduction Service No. ED 156 971)
- Fox, R. N. (1986). Application of a conceptual model of college withdrawal to disadvantaged students. American Educational Research Journal, 23, 415-424.
- Gordon, S. A., & Johnson, D. H. (1982). Characteristics of withdrawing students. In D. H. Johnson (Ed.), Report of the Withdrawal Office: The who, when, why, and how of withdrawal at University of Maryland, Baltimore County, spring semester, 1981 (pp. 4-21). Catonsville: University of Maryland. (ERIC Document Reproduction Service No. ED 231 282)
- Greene, J. E. (1982). Persistence toward a degree in urban nonresidential universities. Paper presented at the annual forum of the Association for Institutional Research, Denver. (ERIC Document Reproduction Service No. ED 220 042)
- Haas, P. (1974). Follow-up study of discontinuing students at Indiana University at South Bend. South Bend: Indiana University. (ERIC Document Reproduction Service No. ED 104 261)



- Haggerty, M. (1985). A comparison of selected variables of adult persisters and nonpersisters over age 24 at an urban commuter university. <u>Dissertation Abstracts International</u>, 46, 15304. (University Microfilms No. 8517991)
- Louis, K. S., Colten, M. E., & Demeke, G. (1984). Freshman experiences at the University of Massachusetts at Boston. Boston: University of Massachusetts. (ERIC Document Reproduction Service No. ED 242 251)
- Metzner, B. S., & Bean, J. P. (in press). The estimation of a conceptual model of nontraditional undergraduate student attrition. Research in Higher Education.
- Morishita, L. M. (1986). A model of student persistence in college. <u>Dissertation Abstracts International</u>, 47, 2048A. (University Microfilms No. 8620718)
- Muskat, H. (1979). Educational expectations and college attrition. National Association of Student Personnel Administrators Journal, 17, 17-22.
- Newton, L. L., & Gaither, G. H. (1980). Factors contributing to attrition: An analysis of program impact on persistence patterns. College and University, 55, 237-251.
- Pascarella, E. T., & Chapman, D. W. (1983). A multi-institutional, path analytic validation of Tinto's model of college withdrawal. American Educational Research Journal, 20, 87-102.
- Pascarella, E. T., Duby, P. B., & Iverson, B. K. (1983). A test and reconceptualization of a theoretical model of college withdrawal in a commuter institution setting. Sociology of Education, 56, 88-100.
- Pascarelia, E. T., Duby, P. B., Miller, V. A., & Rasher, S. P. (1981). Preenrollment variables and academic performance as predictors of freshman year persistence, early withdrawal, and stopout behavior in an urban, nonresidential university. Research in Higher Education, 15, 329-349.
- Prather, J. E., & Hand, C. A. (1986). Retention of non-traditional students.

 Paper presented at the annual meeting of the Southern Association for
 Institutional Research, Pipestem, WV. (ERIC Document Reproduction Service
 No. ED 274 296)
- Smith, A. D. (1983). Discriminating factors among college student persisters and nonpersisters. <u>Journal of College Student Personnel</u>, 24, 77-78.
- Staman, E. M. (1980). Predicting student attrition at an urban college.

 <u>Dissertation Abstracts International</u>, 40, 4440A. (University Microfilms No. 8002565)
- Tata, C., Jr. (1981). The effect of an intrusive advisement program on first-term freshman attrition. Paper presented at the annual forum of the Association for Institutional Research, Minneapolis. (ERIC Document Reproduction Service No. ED 205 096)
- Taylor, W. D. (1982). A five-year attrition study of an undergraduate class at the University of Tennessee at Chattanooga. <u>Dissertation Abstracts International</u>, 43, 695A. (University Microfilms No. 8217304)



- Tweddale, R. B. (1978). The non-returning student: Why do they leave and will they return? Allendale, MI: Grand Valley State Colleges. (ERIC Document Reproduction Service No. ED 156 023)
- Watkin, D. B. (1982). A study of academic and social integration and their relation to the persistence of upper-division students. <u>Dissertation Abstracts International</u>, 43, 383A. (University Microfilms No. 8213358)
- Zaccaria, L., & Creaser, J. (1971). Factors related to persistence in an urban commuter university. Journal of College Student Personnel, 12, 286-291.

Two-Year Colleges

- Alfred, R. L. (Ed.). (1973). Student attrition: Strategies for action.

 Kansas City, MO: Metropolitan Junior College District. (ERIC Document Reproduction Service No. ED 085 064)
- Anderson, K. L. (1981). Post-high school experiences and college attrition.

 Sociology of Education, 54, 1-15.
- Anderson, K. L. (1984). Institutional differences in college effects, final report.
 Washington, DC: National Institute of Education. (ERIC Document Reproduction Service No. ED 256 204)
- Astin, A. W. (1972). College dropouts: A national profile. Washington, DC: American Council on Education.
- Baratta, M. K. (1978). Nonpersisting student analysis for fall 1977-spring 1978.

 Palos Hills, IL: Moraine Valley Community College. (ERIC Document Reproduction Service No. ED 156 275)
- Behrendt, R. L. (1974). Attrition/retention patterns at HJC, final report. Hagerstown, MD: Hagerstown Junior College. (ERIC Document Reproduction Service No. ED 088 539)
- bennett, L. M. (1977). An analysis of step-in/step-out students at Valencia

 Community College. Orlando, FL: Valencia Community College. (ERIC

 Document Reproduction Service No. ED 144 634)
- Blai, B., Jr. (1972). Two-year college dropouts: Why do they leave? Who are they? How many? Bryn Mawr, PA: Harcum Junior College. (ERIC Document Reproduction Service No. ED 058 879)
- Brainard, S. R. (1973). Student attrition: The student personnel climate. In R. L. Alfred (Ed.), <u>Student attrition</u>: <u>Strategies for action</u> (pp. 72-79). Kansas City, MO: Metropolitan Junior College District. (ERIC Document Reproduction Service No. ED 085 064)



- Bromley, A. (1973). Two attrition studies at Santa Fe Community College.

 Paper presented at the annual meeting of the American Educational Research
 Association, New Orleans. (ERIC Document Reproduction Service No. ED 075 022)
- Brunner, W. D., Packwood, G., & Wilson, B. (1978). Retention and attrition:

 Does it relate to students' goals? Paper presented at the annual meeting of the American Educational Research Association, Toronto. (ERIC Document Reproduction Service No. ED 153 682)
- Bucks County Community College. (1973). Follow-up study: Nonacademic attrition.
 Newtown, PA: Author. (ERIC Document Reproduction Service No. ED 082 751)
- California State Coordinating Council for Higher Education. (1974). Through the open door: A study of persistence and performance in California's community colleges (Report No. 3). Sacramento, CA: Author. (ERIC Document Reproduction Service No. ED 121 393)
- Costa, A. E. (1984). Selected correlates of achievement and persistence of adult community college students. Dissertation Abstracts International, 44, 2989A. (University Microfilms No. 8401974)
- Davis, B. H. (1971). The community junior college experience as perceived by students who have withdrawn. <u>Dissertation Abstracts International</u>, 31, 5659A. (University Microfilms No. 7112743)
- Dennis-Rounds, J. (1983). Study of students leaving Cerritos College, spring 1983.

 Norwalk, CA: Cerritos Community College. (ERIC Document Reproduction Service No. ED 233 762)
- DeVecchio, R. C. (1972). Characteristics of nonreturning community college freshmen. Journal of College Student Personnel, 13, 429-432.
- Eagle, N. (1979). Attrition and student progress at Bronx Community College for entering classes: Fall 1972 to fall 1976 (progress to fall 1978). Bronx, NY: Bronx Community College. (ERIC Document Reproduction Service No. ED 192 856)
- Fetters, W. B. (1977). National Longitudinal Study: Withdrawal from institutions of higher education. Washington, DC: U. S. Department of Health, Education, and Welfare, Center for Education Statistics. (ERIC Document Reproduction Service No. ED 150 913)
- Gates, A. G., & Creamer, D. G. (1984). Two-year college attrition: Do student or institutional characteristics contribute most? Community/Junior College Quarterly, 8, 39-51.
- Gell, R. L. (1974). A follow-up study of freshmen who left Montgomery College after just one semester of attendance. Rockville, MD: Montgomery College. (ERIC Document Reproduction Service No. ED 097 054)
- Gorter, S. (1978). Non-returning students, spring 1978. Trenton, NJ: Mercer County Community College. (ERIC Document Reproduction Service No. ED 161 473)



- Greer, L. R. (1980). Persistence and academic success among non-traditional age students at a junior college. Paper presented at the annual forum of the Association for Institutional Research, Atlanta, GA. (ERIC Document Reproduction Service No. ED 189 942)
- Hall, T. L. (1975). El Paso Community College attrition studies, fall 1971fall 1974). El Paso, TX: El Paso Community College. (ERIC Document Reproduction Service No. ED 110 114)
- Hinrichsen, K. A., & Schaumberg, G. F. (1976). The dropout: A look into the historical evaluation of long-standing implied policy at Cerritos College, California. Norwalk, CA: Cerritos Community College. (ERIC Document Reproduction Service No. ED 129 361)
- Horton, J. F. (1983). Multivariate correlations of community college environment and course attrition to retention in a selected community college. Dissertation Abstracts International, 43, 3520A. (University Microfilms No. 8307933)
- Hunter, R., & Sheldon, M. S. (1980). Statewide longitudinal study, part 3.
 Sacramento: California Community Colleges, Office of the Chancellor.
 (ERIC Document Reproduction Service No. ED 188 714)
- Johnson, R. H. (1980). The relationship of academic and social integration to student attrition—A study across institutions and institutional types.

 <u>Dissertation Abstracts International</u>, 41, 1868A. (University Microfilms No. 8025700)
- Johnston, A. B. (1982). <u>Tallahassee Community College retention study, final report</u>. Tallahassee, FL: Tallahassee Community College. (ERIC Document Reproduction Service No. ED 224 524)
- Knoell, D. M. (1976). Through the open door: A study of patterns of enrollment and performance in California's community colleges. Sacramento: California State Postsecondary Education Commission. (ERIC Document Reproduction Service No. ED 119 752)
- MacMillan, T. F. (1970). NORCAL project, phase 2, final report. Los Angeles: University of California. (ERIC Document Reproduction Service No. ED 039 879)
- Maples, C. C., & Owings, T. G. (1982). A study of students withdrawing from oncampus programs at Calhoun Community College 1981-82. Paper presented at the regional meeting of the Southern Association of Community College Researchers, Nashville, TN. (ERIC Document Reproduction Service No. ED 229 069)
- Martin, F. H. (1974). Student follow-up 1: Attrition study. Harriman, TN: Roane State Community College. (ERIC Document Reproduction Service No. ED 099 087)
- McLean, C. E. (1986). Attrition among new students in fall quarter, 1985. Hampton, VA: Thomas Nelson Community College. (ERIC Document Reproduction Service No. ED 276 478)
- McMillan, R. L. (1977). Study of attrition: Non-returning freshmen for 1976-77. Newark, NJ: Essex County College. (ERIC Document Reproduction Service No. ED 136 861)



- Morris, C. (1982). Retention rate related to choice of first term coursework.

 Miami, FL: Miami-Dade Community College, Office of Institutional Research.

 (ERIC Document Reproduction Service No. ED 256 421)
- Nora, A. (1987). Determinants of retention among Chicano college students: A structural model. Research in Higher Education, 26, 31-59.
- Pascarella, E. T., & Chapman, D. W. (1983). A multi-institutional, path analytic validation of Tinto's model of college withdrawal. American Educational Research Journal, 20, 87-102.
- Pascarella, E. T., Smart, J. C., & Ethington, C. A. (1986). Long-term persistence of two-year college students. Research in Higher Education, 24, 47-71.
- Peng, S. S., & Fetters, W. B. (1978). Variables involved in withdrawa during the first two years of college: Preliminary findings from the National Longitudinal Study of the High School Class of 1972. American Educational Research Journal, 15, 361-372.
- Rasor, R. A., Stahl, G., & Cheney, S. (1980). Why students drop classes and withdraw from American River College. Sacramento, CA: American River College. (ERIC Document Reproduction Service No. ED 184 654)
- Reehling, J. E. (1980). They are returning: But are they staying? <u>Journal</u> of College Student Personnel, 21, 491-497.
- Rice, R. L. (1983). USC-Lancaster: A retention study for a two-year commuter campus. Lancaster: University of South Carolina. (ERIC Document Reproduction Service No. ED 231 440)
- Roesler, E. V. (1971). Community college and technical institute follow-up study of students enrolled during one or more quarters: Fall, 1970 to fall, 1971. Washington, DC: U. S. Department of Health, Education, and Welfare. (ERIC Document Reproduction Service No. ED 072 770)
- Selo, P. A. (1974). The non-returning students: Who are they? Why have they not returned? Oakland, CA: Laney College. (ERIC Document Reproduction Service No. ED 100 468)
- Slark, J. (1978). Longitudinal study of student flow and persistence. Report on second phase. Santa Ana, CA: Santa Ana College. (ERIC Document Reproduction Service No. ED 158 825)
- Smith, A. D. (1982). A study of student persisters and nonpersisters in the Community and Technical College. Community/Junior College Quarterly, 7, 1-13.
- Smith, N. D. (1985). Why students don't return: A survey of nonreturning students in the San Bernardino Community College District, spring 1984 to fall, 1984. San Bernardino, CA: San Bernardino Community College District, Office of Planning and Research. (ERIC Document Reproduction Service No. ED 256 412)



- Stine, V. (1976). Some characteristics of students who withdrew from LACC spring, 1975, spring, 1974, and spring, 1973. Los Angeles: Los Angeles City College. (ERIC Document Reproduction Service No. ED 118 200)
- Tichenor, R. (1986). Student nonreturn rates at St. Louis Community College: An examination of the impacts of educational goals and enrollment status. St. Louis, MO: St. Louis Community College. (ERIC Document Reproduction Service No. ED 274 392)
- Velez, W. (1985). Finishing college: The effects of college type. Sociology of Education, 58, 191-200.
- Wetzel, S. (1977). Non-returning student survey, winter 1976-fall 1976. Media, PA: Delaware County Community College. (ERIC Document Reproduction Service No. ED 145 906)
- White, J. H. (1972). Individual and environmental factors associated with freshman attrition at a multi-campus community college. <u>Dissertation Abstracts International</u>, 32, 3709A. (University Microfilms No. 72-3745)
- Willett, L. H. (1973). Non-persisting student follow-up. Palos Hills, IL:
 Moraine Valley Community College. (ERIC Document Reproduction Service No. ED 078 821)
- Williamson, D. R. (1987). Dropouts from community colleges: Path analysis of a national sample. <u>Dissertation Abstracts International</u>, 47, 2432A. (University Microfilms No. 8624349)
- Willner, E. (1980). Identifying concerns and potential dropouts among community college freshmen. National Association of Student Personnel Administrators

 Journal, 18, 46-53.
- Wright, T. (1984). Pre-college and post-matriculation predictors of attrition at Miami-Dade Community College. Miami, FL: Miami-Dade Community College, Office of Institutional Research. (ERIC Document Reproduction Service No. ED 267 871)

Intervention for Retention

- Beal, P. E., & Noel, L. (1980). What works in student retention? Iowa City, IA:
 American College Testing Program & National Center for Higher Education
 Management Systems. (Also ERIC Document Reproduction Service NO. ED 197 635)
- Lenning, O. T., Sauer, K., & Beal, P. E. (1980). Student retention strategies. Washington, DC: American Association for Higher Education.
- Noel, L. (Ed.) (1978). Reducing the dropout rate. San Francisco: Jossey-Bass.



- Noel, L., Levitz, R., Saluri, D., & Associates. (1985). Increasing student retention: Effective programs and practices for reducing the dropout rate. San Francisco: Jossey-Bass.
- Ramist, L. (1981). College student attrition and retention. (College Board Report No. 81-1). New York: College Entrance Examination Board. (Also ERIC Document Reproduction Service No. ED 200 170)

