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# The 2-Year Community College

*An Annotated List of  
Studies and Surveys*

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## FOREWORD

**I**N EVERY RECENT STUDY of education beyond the high school the 2-year college has been considered as a possible solution to the problem of serving adequately the great flood of students that will soon be receiving their high school diploma. The importance of these institutions in meeting the desirable goals of decentralization and diversification is only now being fully realized. The type of 2-year college needed is being considered by many districts and States, and in each case there is the reasonable request for information regarding what has been done before and how can we gain from the experience of others.

In response to these many requests and in keeping with the functions of the Office of Education, the Division of Higher Education is presenting this annotated bibliography of projects, surveys, and studies relating to the 2-year community college, the junior college, and the technical institute. The bibliography covers the period from 1953 to 1957 and indicates whether the item described was completed or underway on October 1, 1957.

The Division of Higher Education is grateful to deans of graduate schools, deans of colleges of education, officials of State departments of education, and executives of national associations of higher education for supplying the basic information. The assistance of State directors of junior colleges, professors of junior college education, the American Association of Junior Colleges, and the deans or directors of schools of library science has made possible the inclusion of significant studies that otherwise would have been overlooked.

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# The 2-Year Community College

## An Annotated List of Studies and Surveys

### INTRODUCTION

THIS BIBLIOGRAPHY has been prepared to provide an overview of the scope and nature of recent junior college projects, surveys, and studies, and of projects, surveys and studies having implications for the junior college; to stimulate further investigations as they seem necessary and appropriate; and to encourage the application of the findings toward the continued improvement of 2-year institutions.

At the outset, attention is called to the fact that the bibliography must be considered as only a partial listing of projects, surveys, and studies relating to the community college. A compilation of this kind seldom results in complete inclusiveness. Although there may have been some significant studies overlooked in the bibliography, it is nevertheless believed that the greater number is included. This belief is based on the assumption that any college, university, or other agency having considerable interest and activity in the junior college field would make sure that studies and projects conducted under its auspices were included in this listing.

### BACKGROUND OF PROJECT

For several years the idea of an annotated bibliography has been under discussion in the American Association of Junior Colleges. It was considered at the 1956 meeting in New York and at the 1957 conference at Salt Lake City. At the Salt Lake City meeting a formal request was made to the U. S. Office of Education that it undertake to gather the necessary information and publish a bibliography. State directors of junior colleges, university professors, and consultants deplored the lack of communication existing in the field of research and suggested the need for a clearing house so that each individual or institution would not find

it necessary to begin the scientific investigation from the very start but could build on the experiences that had gone before.

During the summer of 1957 the U. S. Office of Education agreed to publish a bibliography and Dr. S. V. Martorana of the Division of Higher Education was given the major responsibility for the work. A questionnaire prepared by the Office (see Appendix A) was sent to 1,300 institutions with a request that returns be made by September 15. From the returns over 200 pertinent projects and surveys have been listed. Of these, about three-fourths are in the "completed since 1953" category, and the remaining one-fourth are listed as "underway."

In reality this is the third project of its kind produced by the U. S. Office of Education. The first was a bibliography of significant literature relating to the junior college, prepared by Bertalon and Conley in 1950. In 1953, Dr. William Wood, then Junior College Specialist in the U. S. Office of Education, prepared a list of Doctoral Dissertations Accepted for Degrees in Junior and Community College Education (1934-1953). The current annotated bibliography is the most ambitious to date.

In addition to the above projects there are several other valuable references for junior college projects, surveys, and studies. These include:

Research in Industrial Education (1930-1955), Vocational Division Bulletin No. 264, Washington, Office of Education, Department of Health, Education, and Welfare, Superintendent of Documents, U. S. Printing Office, Washington 25, D. C., 1957. 227 p. Price \$1.75.

National Education Association, 1201 16th Street NW., Washington 6, D. C. The NEA regularly includes in the *Research Bulletin* and in other publications of the Research Division, descriptions of projects and survey reports that are pertinent to the junior college.

## ORGANIZATION

For easy reference, the projects completed are arranged under the following categories: 1. Regional and Multi-institutional in Nature; 2. Single Institution, including Self-analysis; 3. Teachers—Instruction; 4. Relationships; 5. Organization and Establishment; 6. Financing; 7. Student Personnel Services; 8. Library; 9. Programs for Advanced Study; 10. Programs, Vocational and Organized Occupational; 11. Programs for General Education; and, 12. Curriculum Building, Revision, and Evaluation.

The bibliography does not include a listing of books related to junior colleges or of projects that have been described in the *Junior College Journal* or in other periodicals.

A topical index is also provided which includes both the projects "underway" and those completed.



## SOME GENERAL OBSERVATIONS

This bibliography was compiled to determine which studies in the 2-year college field are attracting the most attention. Simultaneously, significant gaps in efforts expended or areas in need of additional research could be identified. From the responses received and the frequency with which interest was indicated in specific categories, a number of general observations have resulted.

By far, the largest group of projects was concerned with interinstitutional studies and surveys. A total of 68, one-third of the total number of annotations appear in this group. This, it would appear, is an observation which can be expected as a result of the current high degree of interest in the organization of American post-high school education and the need to prepare for much greater enrollments of students in the years immediately ahead. While some of the projects that appear in this section dealt only with one or two specific aspects of 2-year college education, others were comprehensive, statewide or regional analyses, involving several institutions and encompassing such considerations as criteria for establishing new institutions, financial support formulas, techniques for determining local educational needs, programs of offerings, faculty, plant and physical facilities, and coordination of 2-year colleges within a system of institutions.

Another large group of studies was concerned with the institutional analysis or staff studies of single institutions. Although only 4 of these approached the analysis on a comprehensive basis, many institutional self-studies presented only specific aspects of operations or programs. Reports of these appear under the several other categories used in the bibliography. Another topic frequently observed was student-personnel services. Significantly large numbers of reports were received also pertaining to institutional relationships with various interest groups found in junior college constituencies, financing procedures, instructional procedures, and institutional organization and administration.

The area found to be most neglected was that of the junior college library. This is an observation which merits special notice by interested persons in view of the contention often heard that the junior college library has an especially important function to perform in relation to the total role of the college's community services.

Indeed, the results observed in first returns to the initial request for data about research projects and surveys were so disproportionate to expected identification of interest in the library that a special effort was made to discover projects in this field. When it was believed that most of the returns to the initial inquiry that were forthcoming had been received, and they had been assembled and sorted into categories, it was

realized that there was only one project that referred to the library. Accordingly, a letter was written (see Appendix B) to the deans of all accredited schools of library science asking if they were aware of any additional projects relating to the junior college library. Although very few positive replies were received, a number of the deans of the school of library science indicated that they would attempt to stimulate research in this field. As has already been indicated, stimulation of this kind of interest was one of the primary purposes for preparing this bibliography.

Another area which is receiving little attention insofar as this is revealed by returns to the requests made for bibliographical information is the topic of plant and physical facilities for junior colleges. No annotations appear that deal with this subject alone. In view of the fact there is currently evident much interest in establishing new institutions and considerable activity in plant expansion and improvement of existing institutions, the question appears as to why there is no more to report in this field. Is it because this subject does not lend itself to objective inquiry, because currently available information is adequate and well-founded, or are there other reasons?



## I. PROJECTS COMPLETED

### Regional Studies

1. ANDERSON, PAUL R. *and others*. Higher Education in the Commonwealth. A report prepared for the Governor's Commission on Higher Education. Harrisburg, Pa., 1957.  
Surveys public and private higher education in Pennsylvania. Considers organization, financing, enrollments, programs, plant, faculty, and coordination.
2. Approval of Community College Establishments in Michigan. A mimeographed report of the Michigan Commission on Educational Policies, Helen E. Warren, Chairman, Lansing, Mich. State Superintendent of Public Instruction, 1956.  
Reports purposes and appropriate programs for Michigan community colleges. Lists principles and criteria for establishment of community colleges.
3. A Survey of Thornton Township High School and Junior College. A survey conducted by Raymond J. Young for the Office of Field Services, Urbana, Ill. University of Illinois, 1956.  
Studies education and building needs in Thornton Township. A new plant is being constructed following recommendations.
4. A Technical Institute in Roanoke to Serve Western Virginia. A report prepared by a committee, Joseph A. Schad, Chairman, for the Roanoke Chamber of Commerce, the Virginia State Department of Education and the Virginia Polytechnic Institute, Roanoke, Va. Roanoke Chamber of Commerce, 1956. P. 27.  
Reports the findings of a 3-man commission relating to the steps and recommendations for establishing in Roanoke a technical institute to serve the needs of industry and business in Virginia.
5. AYRES, CARL E. A Survey of the Terminal and Adult Education Programs Offered by Ohio Colleges, Universities, and Technical Institutes in 1953-54. Unpublished master's thesis, Columbus, Ohio. Ohio State University, 1954.  
Surveys terminal and adult education programs offered in Ohio colleges, universities, and technical institutes 1953-54. Uses study of catalogs and questionnaires. Recommends establishment of more community colleges and further surveys to study areas of adult interests and needs.
6. BALLINGER, FLOYD M. A Study Concerning the Need for the Extension of Secondary Education in Lake County, Ohio. Unpublished master's thesis, Columbus, Ohio. Ohio State University, 1955.  
Examines the need for extension of secondary education in Lake County, Ohio. Results based on questionnaires sent to all high school seniors and parents of seniors in the county.
7. BARNES, JOHN B. A Report of a Community Self-Study: Special Reference to the Development of Terminal Education Programs at Northern Wyoming Community College. Unpublished doctor's thesis, Laramie, Wyo. University of Wyoming, 1955.  
Reports community study related to the development of terminal programs for Northern Wyoming Community College.
8. BERG, IRA GLENN. Estimation of the Community College Potential of Ohio, By Counties, From 1953 to 1970. Unpublished master's



thesis, Columbus, Ohio. Ohio State University, 1955.

Studies community college potential in Ohio by counties, 1963-70. Recommends statewide survey, necessary legislation, development of plans for the establishment of community colleges.

9. **BILLOW, GERALD ORIS.** A Study to Determine the Need for the Community College in Hardin County, Ohio. Unpublished master's thesis, Columbus, Ohio. Ohio State University, 1956.

Studies need for community college in Hardin County, Ohio. Uses questionnaires sent to high school seniors, parents, administrators, and school board members. Recommends consolidation of local districts, permissive legislation, and emphasizes need for public education at 13th- and 14th-year levels.

10. **BOZE, FLOYD D.** Criteria for the Establishment of Public Junior Colleges in Texas. Unpublished doctor's thesis, Knoxville, Tenn. University of Tennessee, 1955.

Surveys 31 public junior colleges in Texas. Develops 10 basic characteristics of Texas public junior colleges. These include community approval, minimum enrollment, wealth of the district, distance from similar existing institutions, and college unit cost per capita. Also includes statements with regard to value of plant, total annual cost, and high school size.

11. **BROWN, ROBERT SIMEAN.** A Survey to Determine the Post-Secondary Needs of Youth and Adults in Summit County, Ohio, and Proposals for Meeting These Needs. Unpublished doctor's thesis, Columbus, Ohio. Ohio State University, 1954.

Surveys post-secondary needs of youth and adults in Summit County, Ohio. Questionnaires sent to 8 Akron high schools, 3 cities outside Akron, 13 county high schools, seniors, parents, and school administrators, included. Recommends legislation to support municipal university at Akron and permissive legislation for establishment of local community colleges.

12. **BRUNNER, KENNETH A.** Criteria for Evaluating a State's Legislative and Administrative Program for Community Junior College Education. Unpublished doc-

tor's thesis, Gainesville, Fla. University of Florida, 1956. P. 122.

Examines criteria by which State's legislation and State regulations for a junior college program may be evaluated. Criteria selected to test legislation, financial support, administration, leadership, local boards, certification, and related aspects.

13. **BUNISH, PAUL.** A Survey of High School Seniors in Springfield, Ohio for Determining the Need of Upward Extension of Secondary Education. Unpublished master's thesis, Columbus, Ohio. Ohio State University, 1954.

Surveys need for upward extension of secondary education in Springfield, Ohio. Recommendations based on questionnaire results from seniors of Springfield Senior High School and Catholic Central High School. Indicates future plans and expectations.

14. **Citizens Survey of Community-College Possibilities.** Mimeographed report of surveys conducted by Raymond J. Young for the Office of Field Services, Urbana, Ill., University of Illinois, 1957.

Studies possibility of establishing community colleges. Examines financing, enrollments, and capital plant.

15. **Community College Study—A Survey.** The report of a local survey prepared under the direction of Mrs. Perry W. Merchant, Educational Chairman of the Oakland County Branch of American Association of University Women. Berkley, Mich., 1957.

Reviews functions, organization, and programs of community colleges in Michigan, with special reference to possible establishment of such an institution in Oakland County. Includes recommendations.

16. **COWEN, PHILIP A.** Crucial Questions About Higher Education. Report for the State University of New York. Albany, N. Y., 1954.

Reviews plans of 20,000 high school graduates regarding post-high school education. Relates answers to ability, achievement, and family income.

17. **COWEN, PHILIP A.** Needs and Facilities in Higher Education in New York State. Report for State



Education Department. New York, 1957.

Reviews plans of 50,000 high school graduates for postsecondary education, estimates need of facilities by 1970, and estimates facilities available and planned in 1970.

18. DAUGHTRY, ALEXANDER A. A Report on the Post-graduation Activities of the 1955 Kansas High School Graduates. Unpublished doctor's thesis, Boulder, Colo. University of Colorado, 1956.

Reports on postgraduation activities of 1956 high school seniors in Kansas, with sections on graduates of superior ability. Examines reasons why one-third of superior students do not go to college. Includes 613 public and private high schools and 94 percent of all high school seniors.

19. DAVIS, HARRY B. The Crisis in Higher Education in Virginia and a Solution. A report for the Virginia Advisory Legislative Council, Richmond, Va. Division of Purchase and Printing, 1955. P. 22.

Reports findings of Virginia Advisory Legislative Council on Needs in Higher Education in Virginia. Recommends establishment of 2-year branches of University of Virginia.

20. DELK, RALPH MERLIN. A Survey of the Further Educational Needs of Youth and Adults of Crawford County, Ohio. Unpublished master's thesis, Columbus, Ohio. Ohio State University, 1955.

Surveys educational needs of youth and adults of Crawford County, Ohio. Recommendations based on questionnaire sent to all high school seniors of the county, include: Consolidation of rural high schools, redistricting county, establishment of 1 or possibly 2 junior colleges.

21. EMBREE, ARNOLD and PROUD, PHILIP. Survey of Selected High School Graduates Who Did Not Go to College. Marquette, Mich. Northern Michigan College, 1957.

Surveys selected high school graduates who did not go to college. Reveals financial impopularity as the major deterrent of able students.

22. FISHBAUGH, LESLIE JOHN. A Survey of the Need for Public School Extension in Lucas County, Ohio. Unpublished master's thesis,

Columbus, Ohio. Ohio State University, 1954.

Surveys need for public school extension in Lucas County, Ohio. Recommendations based on results of questionnaire sent to all high school seniors outside City of Toledo include: need for permissive legislation, expansion of University of Toledo undergraduate and junior college program, and alternative recommendation of new, 2-year post-high school program at Ottawa Hills, Ohio.

23. FLAHARTY, WILLIAM H. and WAUGH, ALBERT. A Study of Problems Confronting Higher Education in Connecticut. A report for the Connecticut State Board of Education and the Board of Trustees, University of Connecticut. Hartford, Conn. State Department of Education, 1957.

Reviews impact of increasing population on college enrollments. Anticipates 5 students enrolled in 1966 for every 3 in 1955. Examines existing and planned resources both public and private. Considers possible expansion of facilities, their more effective use, scholarship aid, and recommends further study of community colleges in Connecticut.

24. FOUNTAIN, WINFIELD STEINER. A Plan of Development for a Community College in Moses Lake, Washington. Unpublished doctor's thesis, Seattle, Wash. University of Washington, 1956.

Proposes plan for the development of a community college in Moses Lake, Wash. Includes report of survey of needs.

25. FRICK, HERMAN L. A Study of Some Elements for Consideration When Establishing or Expanding a Junior College. Unpublished doctor's thesis, Ann Arbor, Mich., University of Michigan.

Presents case for the extension of secondary education through fourteenth grade as part of public school system. Relates program to community needs. Urges that junior college be flexible, available, and adequate. Discusses plant construction and cost. Emphasis placed on State of Florida.

26. GOOD, LEROY V. The Feasibility of Four-year Community Colleges in the Columbia Basin Area of Washington. Unpublished doctor's thesis, Pullman, Wash. State College of Washington, 1954.



Examines feasibility of 4-year community colleges in Columbia Basin Area of Washington State; uses population projections. Indicates need for cost studies in the 3 areas suggested as feasible for the establishment of community colleges, including grades 11, 12, 13, and 14.

27. HARRINGTON, GORDON M. Technicians for Connecticut Industry, A Study of Need for Technical Institutes. Prepared for the State Department of Education, Bulletin No. 82. Hartford, Conn., 1957. P. 52.

Reviews growth of industry in Connecticut, need for development of technical institute programs meeting industrial needs, and student potential. Proposes establishment of 6 institutes in Connecticut.

28. HUMMELL, RALPH. Is There A Need for a Community College Program in Cuyahoga County, Ohio? Unpublished master's thesis, Columbus, Ohio. Ohio State University, 1955.

Examines need for community college program in Cuyahoga County, Ohio, based on returns from questionnaires sent to high school seniors, parents, and administrators in county schools—metropolitan area excluded. Recommendations include: Permissive State legislation, community college districts, part of the public education system, and comprehensive type community college.

29. JOHNSON, PAUL MARTIN. A Proposal for a System of Public Junior Colleges for the State of Kansas. Unpublished doctor's thesis, Boulder, Colo. University of Colorado, 1956.

Examines need for statewide system of junior colleges in Kansas in terms of criteria developed. Proposes system of junior college districts based on accessibility for students, expected enrollment, and financial ability of multicounty districts.

30. KELLER, ROBERT J. *Minnesota's Stake in the Future*. Report of a project conducted under the direction of Samuel C. Gale, St. Paul, Minn. State Department of Education, 1956.

Reviews the role of private colleges, junior colleges, State teachers colleges, and universities in Minnesota. Considers the expected increases in college-age youth by 1973, forecasts

attendance by 1970 in each type institution. Offers 6 recommendations relating to high school programs, scholarships, student loans, State aid for junior colleges, and funds for research and instruction in graduate and professional fields.

31. LAGOMARCINO, VIRGIL. An Appraisal of Public Junior Colleges of Iowa. Unpublished doctor's thesis, Ames, Iowa. Iowa State College of Agriculture and Mechanic Arts, 1955.

Evaluates public junior colleges of Iowa. Organization, financing, enrollments, program, capital plant, faculty and staff, and coordination.

32. LOVE, GRADY EDWARD. Interests and Needs in Adult Education in Greensboro, North Carolina. Unpublished doctor's thesis, Chapel Hill, N. C. University of North Carolina, 1957.

Makes 8 recommendations for determining interest and need for adult education in Greensboro, N. C. These include creation of council, providing engineering aides and technicians for local industry, sensitivity to individual needs and others dealing with promotion, support and timing.

33. MARTORANA, S. V. New Mexico's Need for Further Post-High School Educational Programs. A report for the Board of Educational Finance, State of New Mexico, Santa Fe, N. M., 1957. P. 192.

Reviews New Mexico's needs for posthigh school programs. Examines organization, financing, enrollments, program, and coordination with higher institutions.

34. MARTORANA, S. V. The Community College in Michigan. Staff Study No. 1, The Survey of Higher Education in Michigan. Under the direction of John Dale Russell for the Legislative Study Committee on Higher Education, Lansing, Mich., 1957. P. 210.

Presents a comprehensive report of the community colleges in Michigan: Present status, expected growth, criteria for locating new institutions, and recommendations for improvement.

35. McCONNELL, WILLIAM. A Forward Look in Education. Report for the Office of Field Services,



- University of Illinois, Urbana, Ill. University of Illinois, 1956.
- Examines need for junior college in Bloom Township high school district. Recommendations are being followed in establishing a junior college.
36. MITTLER, ELI F. A Proposed Reorganization of Education in an Area, Including 5 East-Central Counties of Missouri. Unpublished doctor's thesis, Columbia, Mo. University of Missouri, 1956.
- Proposes plan for reorganization of education in 5 east-central counties of Missouri. Indicates unmet needs with half as many high school graduates attending college as in counties with public junior college. Includes recommendations.
37. MOORE, RALPH D. A Survey Concerning the Need and Desire for a Community College in Williams County, Ohio. Unpublished master's thesis, Columbus, Ohio. Ohio State University, 1957.
- Examines need and desire for community college in Williams County, Ohio. Recommendations based on results of study sent to seniors in high school, their parents, school administrators, and school board members. Recommends permissive State legislation, State and local financial cooperation, district consolidation, and curriculum needs survey to establish 2-year posthigh school program.
38. Occupational Curricula Offered in Los Angeles City, Junior Colleges. A report prepared by the Junior College Curriculum Coordinating Committee of Los Angeles City, Los Angeles, Calif. Los Angeles City Board of Education, 1957.
- Lists occupational curricula in 7 city junior colleges.
39. ORLER, ALLEN JORDAN. Junior College Public Relations—A Study of Public Relations in Four Colorado Public Junior Colleges: With Special Reference to Trinidad State Junior College. Unpublished doctor's thesis, Laramie, Wyo. University of Wyoming, 1954.
- Reports on the public relations programs of 4 Colorado public junior colleges and relates findings to the needs of a specific junior college.
40. PAVAMANI, VICTOR GEORGE MARTIN. Community Colleges for India. Unpublished doctor's thesis, Seattle, Wash. University of Washington, 1957.
- Reviews need for community colleges for India and their potential development.
41. PATTERSON, DOW. Techniques for Determining Site and Building Needs for California Junior Colleges. Unpublished doctor's thesis, Los Angeles, Calif. University of California at Los Angeles, June 1953.
- Reviews findings from interviews and questionnaires sent to public junior colleges in California. Recommends limiting enrollment to 2,500 on one site; site size a minimum of 50 acres plus 1 additional acre for every 100 students; parking space for 30 cars for every 100 students; cooperative planning of program and building.
42. Possible Locations of Future Public Junior Colleges in Illinois. A report prepared for the Illinois Higher Education Commission, under the direction of Raymond J. Young. Springfield, Ill., 1956.
- Suggests locations and number of future public junior colleges in Illinois.
43. REICHERT, STEPHEN B., Jr. The 4-Year Junior College Movement in California. Unpublished doctor's thesis, Los Angeles, Calif. University of California at Los Angeles, 1957.
- Reviews history of the 4-year junior college movement in California, the reasons for adopting plan in different centers, the reasons for abandoning in 7 centers. Notes that none of the systems abandoning plan did so for purely educational considerations.
44. RICHARDS, PAUL EASTMAN. Study of the Public Junior Colleges of Southern California in Relation to Training for Placement in Sub-professional Levels of the U. S. Civil Service. Unpublished doctor's thesis, Los Angeles, Calif. University of California at Los Angeles, 1953.
- Examines needs of California Federal agencies for personnel having technical training.

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and availability of such training in junior colleges. Investigates needs for revisions.

45. Report of the *Ad Hoc* Committee on Junior College, Plus a Report to New Students Entering the Junior College. Unpublished report prepared under the direction of Newton C. Rochte for the university junior college, University of Toledo, Toledo, Ohio, 1957.
- Reviews report of ad hoc committee on junior college. Emphasizes organization, student enrollments, program, faculty, and coordination.
46. Report of Joint Committee to Study Junior Colleges. Unpublished report prepared under the direction of William Bear for the Oregon State Board of Higher Education. The Oregon State Board of Education, Salem, Oreg., 1956.
- Reviews organization, financing, enrollments, programs, faculty, and coordination of junior colleges.
47. Report on College of Adult and Extension Education. Report prepared for the University of Kentucky, Lexington, Ky., 1957.
- Recommends standards for selecting communities to operate centers and standards for their operation.
48. Report on Proposed Development Under University (of Virginia) Administration of One or More 2-Year Colleges in Outlying Centers. A report prepared by the University of Virginia, Charlottesville, Va., 1954.
- Reviews the development in the Clinch Valley Area. Proposes 3 programs: An afternoon and extension program, a program comparable to the first 2 years of the college of arts and sciences, and a 2-year program of a terminal nature. (By the fall of 1967, "2 branch 2-year colleges under the administration of the University of Virginia were established".)
49. Report of State Curriculum Committee on Adult Education and Community Colleges. A report of a statewide committee appointed by the State Superintendent of Public Instruction. Report prepared by Henry Ponitz and Ferris Crawford under the direction of Arthur E. Rather, Superintendent of Public Instruction. Lansing, Mich., 1957.
- Reports purposes of adult education in Michigan, develops basic principles for establishment as part of community college program.
50. RUSSELL, JOHN DALE. Meeting Ohio's Needs in Higher Education. Report for Ohio College Association, Wooster, Ohio. Wooster College, 1956. P. 120.
- Reviews Ohio's part in nationwide program of higher education, the present facilities in Ohio and their inadequacies, institutional planning for their future, and raises questions of population and social policy regarding future development.
51. SALWAK, STANLEY F. Some Factors Responsible for the Establishment of Public Junior Colleges in the United States, 1940-1952: With Special Reference to Massachusetts. Unpublished doctor's thesis, University Park, Pa. Pennsylvania State University, 1953.
- Examines factors significant to the development of junior colleges. Includes results from 90 percent of junior colleges established between 1940-52 in 23 States. Financial inability of youth to attend existing institutions of higher education, most important factor in establishing junior colleges. Relates this and 16 other factors to State of Massachusetts.
52. Analysis of Objectives and Evaluation of Achievements of Sinclair College of the YMCA, Dayton, Ohio. Unpublished report of the self-evaluation of Sinclair College under the direction of J. M. Snyder, Dayton, Ohio. Sinclair College, 1957.
- Examines achievements of Sinclair College in relation to stated objectives. Preparation of instruments for gathering information and analysis of results accomplished with the help of committees. Uses both questionnaires and interviews.
53. SCHAD, E. J. A Survey of Catholic Adult Education in 1955. Unpublished master's thesis, Washington, D. C. Catholic University of America, 1956.

- Reviews the extent and breadth of Catholic adult education in United States in 1955.
54. SINKEY, LLOYD F. The Programs, Control, and Support of Nebraska Public Junior Colleges. Unpublished doctor's thesis, Denver, Colo. University of Denver, 1955.
- Surveys junior colleges in Nebraska. Emphasizes control and financing.
55. STAFFORD, IVAN BLUM. A Study of 2 Selected Junior Colleges and Their Local Community Attitudes Concerning Social Service, Economic, Educational, and Religious Life. Unpublished doctor's thesis, Chapel Hill, N. C. University of North Carolina, 1957.
- Studies community attitudes toward 2 church-related junior colleges. Makes recommendations with respect to procedures for improving community attitudes.
56. STANFIELD, JOHN M. Extending Secondary Education to Meet the Further Educational Needs of Ohio Rural Youths and Adults. Unpublished doctor's thesis, Columbus, Ohio. Ohio State University, 1955.
- Examines need for extension of secondary education for rural Ohio youth and adults. Questionnaire sent to high school seniors and parents. Recommends permissive legislation, comprehensive study of higher education, leadership of 4-year colleges and universities in establishment of statewide system of community colleges.
57. Study of Community Junior Colleges in the State of Washington. Unpublished report. A study prepared for the State Board of Education by a committee under the chairmanship of Lloyd Woodburne, Olympia, Wash. State Board of Education, 1957.
- Examines the services offered and the future role of junior colleges in the State of Washington, and recommends necessary changes in administration and financing.
58. Study of Desirability of Planning Public Education Beyond High School in Allegany County. A report prepared by the Maryland State Department of Education, 466258-58-3
- Baltimore, Md. October 1957. P. 22.
- Reviews educational achievement of adult population of Allegany County and choices of high school graduates; recommends establishment of Community Union College, offering both terminal and transfer programs.
59. Study of High School Seniors. A mimeographed report of study prepared under the direction of James L. Wattenbarger for the Community College Council, Tallahassee, Fla. State Department of Education, 1956. P. 50.
- Reviews the educational plans of high school seniors. Classifies seniors into 3 groups: Those planning to continue their education, those planning not to continue their education, and uncertain. Relates each category to occupation of father. Examines attitude of senior students toward a local public junior college.
60. SPONBERG, H. E. and GANT, I. O. Survey of Nonenrolling, Accepted Applicants at Northern Michigan College and Causes of Nonenrollment. Marquette, Mich. Northern Michigan College, 1957.
- Surveys accepted applicants who did not enroll in college. Major reason, financial. Three-quarters went to work, one-fourth planned to get further education later.
61. THOMAS, WARREN FELTY. A Survey to Determine the Need for Extending the Twelve-Year School Program Upward to Fourteen Years in the Schools of Canton, Ohio, Unpublished master's thesis, Columbus, Ohio. Ohio State University, 1954.
- Examines need for extending to 14 years the program in the schools of Canton, Ohio, and bases results on returns from questionnaires to high school seniors in 4 public high schools, and Central Catholic High School; also includes interviews with school board.
62. Tri-County College Study. The report of citizens study of Bay, Saginaw, and Midland counties under the direction of Ferris N. Crawford, Chief of Higher Education, Michigan Department of Public Instruction, Lansing, Mich. 1956.
- Reviews functions of locally controlled public institutions of higher education.



Determines need for such an institution to be established and controlled by three-county district.

63. TRUBE, JOHN WILLIAM. A Survey of the Need for Extending Public Secondary Education in Warren, Ohio. Unpublished master's thesis, Columbus, Ohio. Ohio State University, 1956.

Surveys need for extending public secondary education in Warren, Ohio, and bases results on questionnaire sent to 1956 senior class of high school and to parents. Recommends establishment of 2-year community college.

64. Useful Information About Higher Education in Missouri. A report by Missouri Public Expenditures Survey, 222 East Dunklin Street, Jefferson City, Mo. 1956. P. 8.

Reviews development of 26 privately supported and 18 publicly supported institutions of higher education in Missouri. Includes 19 senior colleges, 6 teacher colleges, 14 junior colleges, 7 theological and bible schools, and 5 technical, art, and music schools. Examines enrollments, finances, faculty, and future development.

65. VANORMAN, WILLIAM T. and GILLIGAN, THOMAS, J. Planning a State Adult Education Program in Colorado. Unpublished doctor's thesis, Denver, Colo. University of Denver, 1955.

Reviews statewide adult education program in Colorado as offered by the public schools, colleges, and junior colleges. Examines offerings, enrollment, staffing, financing, and control.

66. WATTENBARGER, JAMES L. The Community-Junior College in Florida's Future. A report prepared for the Community College Council, Tallahassee, Fla. State Department of Education, 1957. P. 71.

Contains recommendations for the expansion of community-junior colleges in Florida. Reports results of 2 years' study authorized by State legislature.

67. WILSON, DANIEL EUGENE. A Survey of the Need for the 13th and 14th Years of Public Secondary Education in Muskingum County Ohio. Unpublished master's thesis,

Columbus, Ohio. Ohio State University, 1954.

Surveys need for 13th and 14th years of public secondary education in Muskingum County, Ohio. Bases recommendations on questionnaires sent to high school seniors, school administrators, and school board members. Recommends emphasis on technical programs.

### Institutional Studies

68. AUMACK, GORDON D. Twenty Years of Success After Transfer of Compton Junior College Students. Unpublished doctor's thesis, Los Angeles, Calif. University of California at Los Angeles, 1953.

Examines record of 3,212 students transferring from Compton Junior College to types of institutions, including universities, State colleges, other 4-year schools, out-of-State colleges, and other junior colleges. Indicates that transfer students did about as well in their higher studies as at Compton. Stresses use of follow-up material in counseling.

69. CHATBURN, ACEL. An Evaluation of the Program of Boise Junior College. Unpublished doctor's thesis, Pullman, Wash. State College of Washington, 1955.

Evaluates program offered at Boise Junior College, Boise, Idaho. Uses experiences and opinions of students to ascertain how effectively their educational needs were met by college programs.

70. CONLEE, ROSSER ELAINE. An Evaluation of the Business Administration Curriculum at Panola County Junior College (Texas). Unpublished master's thesis, Denton, Tex. Northern Texas State College, 1953.

Surveys business administration curriculum at Panola County Junior College, Texas. Reviews types of jobs students wanted, job opportunities available, salaries paid, skills and knowledge expected. Recommends survey every 3 years.

71. Financial Status of Students at New Haven State Teachers College. A self study of the college, conducted under the direction of Hilton C. Burley. New Haven, Conn., 1957.

Reviews factual information concerning the family income of students, number of married

students, percentage working, transportation costs, scholarships, and workload.

Considers organization of courses of studies for school librarians. Plans expansion of work in education of exceptional children, and improvement of library services.

### Instruction

72. **CAMBONI, ROY STANLEY.** Qualifications of Teachers in Illinois Public Junior Colleges. Unpublished master's thesis, Normal, Ill. Illinois State Normal University, 1953.

Surveys 320 junior college teachers' qualifications in 10 public junior colleges. Concludes that most junior college teachers lack professional training related to the junior college.

73. **FRANCIS, GEORGE H.** A Study of the Comparative Effectiveness of Two Teaching Procedures in Electricity. Unpublished master's thesis, Menomonie, Wis. Stout State College, 1954.

Reports the results of a controlled experiment, comparing the effectiveness of two different procedures for the teaching of electricity.

74. **JENKINS, BERLE LAWRENCE.** Certification of Junior-College Business-Education Teachers. Unpublished master's thesis, Normal, Ill. Illinois State Normal University, 1953.

Surveys all 48 States to determine qualifications required of public junior college business teachers. Concludes that 13 States which do have certification standards do not make distinct requirements for business teachers.

75. **MELVIN, KEITH L.** Instructional Practices Used in Selected Public Junior Colleges. Unpublished doctor's thesis, Lincoln, Nebr. University of Nebraska, 1956.

Reviews instructional practices in selected public junior colleges. Includes administration and student ratings in typical subject areas.

76. **Plans to Enable Faculty To Observe and Undertake Experimentation in the Organization of Courses and Methods of Teaching.** A report prepared under the direction of Sister Mary Kenneth, OSB, Chairman of faculty committee, Ferdinand, Ind. St. Benedict's Normal College, 1957.

77. **Salaries of Instructors and Administrators in Junior Colleges in the United States.** The report of a study conducted by Dr. C. C. Colvert under the auspices of the University of Texas and the American Association of Junior Colleges, Austin, Tex. University of Texas, 1957.

Reviews salaries of instructors and administrators in the junior colleges in the United States.

78. **VAIL, HAROLD W.** Qualifications of Junior College Business Education Teachers in Texas. Unpublished master's thesis, Denton, Tex. Northern Texas State College, 1954.

Examines the personal characteristics and qualifications of junior college business teachers in Texas. Determines how well these characteristics match the desired qualifications given by college-hiring personnel.

### Relationships

79. **FLY, MURRY H.** Characteristics of an Effective Public Relations Program for Junior Colleges. Unpublished doctor's thesis, Lubbock, Tex. Texas Technological College, 1957.

Examines characteristics of junior college public relations program.

80. **GIVEN, JOHN NEW.** The Attitudes and Opinions of Selected Community Groups Toward Junior College Education in Los Angeles, Calif. Unpublished doctor's thesis, Los Angeles, Calif. University of California at Los Angeles, 1955.

Reports answers received from questionnaires sent to elected officials of selected community organizations and junior college administrators. Recommends uncluttered communication lines between junior college and the community it serves; increased emphasis on general education; review of admission requirements; and providing adequate guidance and counseling services.



81. NEWMAN, MARION R. Public Relations Programs in Junior Colleges in Illinois. Unpublished master's thesis, Normal, Ill. Illinois State Normal University, 1957.

Studies public relations programs of the public junior colleges in Illinois except those in the city of Chicago. Finds all junior-colleges attempting some public relations programs, usually under the dean of the college. Finds good local relations but lack of understanding outside the local community.

82. Report of First Junior College—Oklahoma A. & M. College Conference. Unpublished report prepared by G. T. Stubbs, Committee Chairman, Stillwater, Okla. Oklahoma A. & M. Department of Public School Services, 1956.

Reviews information received from a questionnaire given to junior college transfer students at Oklahoma A. & M. prior to the conference. Questionnaire related to the adequacy of junior college preparation most helpful and least helpful course, strengths and weaknesses of the junior college attendant. The adequacy of information about Oklahoma A. & M., problems of adjustment, counseling, housing, study, conditions, library facilities, and difficulty of courses. Questionnaire results were used as a basis for discussion and recommendations were made to department heads and the 10 junior colleges on the basis of findings.

83. THOMAS, WADE F. J. An Investigation of Operational Relationships Between Vocational and Both University Transfer and General Education Programs in Public Junior Colleges. Unpublished doctor's thesis, Los Angeles, Calif. University of California at Los Angeles, 1956.

Develops 22 criteria for determining effective relationships. Suggests procedures for avoiding or lessening conflict between vocational and academic programs.

### Organization

84. LEWIS, ROLAND H. A Study to Develop Criteria for Organizing or Evaluating the Private Junior College Registrar's Office. Unpublished doctor's thesis, Gainesville, Fla. University of Florida, 1956.

Establishes criteria for organizing and evaluating the registrar's office of a private junior college. Includes listing of what duties should be performed by the registrar, should not be so assigned and may be performed by the registrar. Emphasizes clear delineation of function of this office and the leadership role expected.

85. Study on Organization. An unpublished report of a project conducted by Rev. Aubrey Zelner and Rev. Vincent Tegeder under the direction of the North Central Workshop, University of Minnesota, Collegeville, Minn. St. John's University, 1954.

Defines role of each administrative officer and faculty committee. Also defines rights, obligations, and privileges.

### Financing

86. SMITH, MAX S. A Brief Historical Summary of State Subsidy to Community Junior Colleges in Michigan. East Lansing, Mich. Michigan State University, 1957.

Presents historical summary of State subsidy to junior and community colleges in Michigan.

### Student Personnel

87. CAVE, WALTER O. A Partial Analysis of the Mechanical Interests and Abilities and the Curricular and Vocational Choices of Lincoln High School Boys. Unpublished master's thesis, Menomonie, Wis. Stout State College, 1953.

Relates mechanical interests and abilities to vocational choices of high school boys.

88. CLAWSON, C. H. Evaluation of Student Personnel Services in the Community Colleges. Unpublished doctor's thesis, Lubbock, Tex. Texas Technological College, 1953.

Examines and evaluates student personnel services in the community college.

89. CUMMINS, CARL CLINTON. An Analysis of Student Personnel Practices in Selected Industrial

- Arts Teacher Education Institutions. Unpublished doctor's thesis, Los Angeles, Calif. University of California at Los Angeles, 1957.
- Reviews philosophy of student personnel work. Examines student personnel practices in 9 teacher education colleges offering industrial arts programs. Comments on strengths and weaknesses.
90. DUNN, FRANCES ELLIOT. Guiding College Students in the Selection of a Field of Concentration. Unpublished doctor's thesis, District of Columbia. Howard University.
- Reports college freshmen records of graduates, according to 14 areas of concentration. Uses 13 variants, including secondary school rank and tests of scores of aptitude and achievement. Develops educational ability patterns by discriminant analysis. Sample included 1,200 graduates, Brown University.
91. FLOYD, THOMAS D., Jr. A Study of the Scope and Administration of the Student Personnel Programs in Selected Junior Colleges. Unpublished doctor's thesis, Knoxville, Tenn. University of Tennessee, 1954.
- Examines scope and administration of current student personnel programs (1964) in junior colleges. Makes recommendations regarding further needed research.
92. GREENSHIELDS, MYRON J. After Graduation, Educational Plans of High School Seniors in the Clark College Service Area. Unpublished doctor's thesis, Pullman, Wash. State College of Washington, 1955.
- Examined reasons why students attend Clark Junior College. Lists academic achievement, residence, economic status, source of family income, family attitudes, and other factors.
93. JETTON, C. T. Scholarship Probation Practices at Texas Technological College with Emphasis on the Counseling Services for the Probationer. Unpublished doctor's thesis, Lubbock, Tex. Texas Technological College, 1955.
- Reviews scholarship probation practices at Texas Technological College.
94. JOHNSON, ALAN W. Administration of Student Personnel Program in Selected California State Colleges. Unpublished doctor's thesis, Los Angeles, Calif. University of California at Los Angeles, 1954.
- Analyses and evaluates the administration of student personnel programs in 3 California State colleges. Presents recommendations and develops evaluative criteria.
95. KENNAUGH, WILLIAM F. The Relationship Between Background on the Farm and the Occupational History and Status of Institution Graduates. Unpublished master's thesis, School of Industrial and Labor Relations, Ithaca, N. Y. Cornell University, 1953.
- Reviews relationship between farm background and occupational history of 330 technical institute graduates. Relates study to agricultural production, dairy industry, and agricultural service programs.
96. KNOX, ALAN. An Analysis of Certain Characteristics Related to the Nature of Adult College Students. Doctoral thesis, Syracuse, N. Y. Syracuse University, 1957.
- Examines characteristics of adult college students. Relates specifically to programs and enrollments.
97. McALEXANDER, WELLINGTON. Student Transportation Costs. Unpublished master's thesis, Houston, Tex. University of Houston, 1957.
- Reports regional findings on student transportation costs in public junior colleges in Texas.
98. TINGEY, DALE. Guidance Problems of Junior College Students Transferring to Four-Year Institutions. Unpublished doctor's thesis, Pullman, Wash., State College of Washington, 1957.
- Examines problems covering junior college students transferring to 4-year institutions in the State of Washington. Compares with problems of students going to the senior institutions directly from high school.
99. WALLE, A. H. College—Industry Guidance Program. A report for the Bowaters Southern Paper Company, Inc., Athens, Tenn. Tennessee Wesleyan College, 1956.



Reviews cooperative plan of high school and industry for selecting possible engineering candidates and provides scholarships for 3 students a year.

100. **Who Would Be Eliminated?** A Study of selective admission to college by George B. Smith, Dean of University of Kansas, Lawrence, Kans. School of Education, University of Kansas, Vol. VII, No. 1. 1956. P. 28.

Applies principle of selective admission to college by looking back to see what would have happened if this policy had been followed a decade ago. Emphasis placed on 209 graduating seniors who were below the 50th percentile on A. C. E. and English examination on entrance.

### Library

101. **BRUBECK, KATHERINE, McCALLIE.** The Influence on the Standards for Junior College Libraries of the Junior College Libraries Section of the Association of College and Reference Libraries of the American Library Association. Unpublished master's thesis, Tallahassee, Fla. Florida State University 1954.

Reviews the development of evaluative criteria in Junior College section of Association of College and Reference Libraries. Suggests acceptable standards for the future.

102. **MILLER, SISTER CARLOS MARIA, RSM.** An Evaluative Survey of the Literature of the Junior College Library, 1925-1950. Unpublished master's thesis, Washington, D. C. Catholic University of America, 1956.

Reviews junior college literature relating to the library. Reports little attention has been given to problem of developing a library as an integral part of the institution; indicates junior college library has "not yet ferreted out its own distinct position"; stresses the "challenging newness" of the junior college library.

103. **WETZLER, JOHN.** A Survey of California Junior College Audio-Visual Programs. Mimeographed report, Bakersfield, Calif. Bakersfield College, 1957.

Reviews status of the administration, staff, budget, equipment, films, student viewing, room darkening, acoustics, and a total of 23 items related to audiovisual programs in California junior colleges. Also, includes the recommendation that the majority of colleges believe audiovisual services should be administered by the library.

104. **WETZLER, JOHN.** A Survey of California Junior College Libraries. Mimeographed report, Bakersfield, Calif. Bakersfield College, 1957.

Reports on the status of personnel, working hours, circulation, and budget in California junior college libraries. Also, includes recommendations of accreditation terms in relation to the staff, budget, physical facilities, administration, and general library procedures.

### Advanced Studies

105. **GERMAIN, DONALD PRICE,** Introduction to Education in Junior Colleges and four-year Institutions in California. Unpublished doctor's thesis, Los Angeles, Calif. University of California at Los Angeles, 1955.

Examines course on "Introduction to Education" as offered in junior colleges. Considers credits, purposes, recruitment, instructional materials and methods. Recommends further study.

106. **HAGIE, DARYL,** A Comparative Study of Junior College Students With Students in Lower Division of Colleges Having Only Undergraduate Programs. Unpublished doctor's thesis, Pullman, Wash. State College of Washington, 1955.

Compares junior college students with students in lower division of liberal arts colleges. Results indicate junior college students are more apt to live near the school, come from lower socioeconomic background and wish training for semiprofessional occupations.

107. **Hill Cooperative Language Laboratory Center.** Report of a project conducted by Sister M. Chiara, OSF and Leo Ochrymowycz, St. Mary's College, Winona, Minn. College of St. Teresa, 1957.



Reviews and describes a 2-year foreign language laboratory. Outlines extensive use of electronic equipment in "situational teaching" and drill work.

108. **McINNIS, SAM R.** Status of Freshman Chemistry Courses in Texas Colleges and Universities. Unpublished doctor's thesis, Stephenville, Tex. Tarleton College, 1956.
- Examines status of freshman chemistry courses in colleges and universities in Texas.
109. **WILLIAMS, ROBERT.** Student Mortality In The Academic Programs at Olympic Community College (Washington). Unpublished doctor's thesis, Pullman, Wash. State College of Washington, 1955.
- Develops plan for identifying potential non-graduates in academic program at Olympic Junior College, Bremerton, Wash.
- Vocational Programs**
110. **AIMONE, EUGENE DONALD.** Technician Training in the Junior College: An Analysis of the Technical Institution Type Curricula in Selected Junior Colleges in the United States. Unpublished master's thesis, Normal, Ill. Illinois State Normal University, 1957.
- An analysis of the technical curricula offered in selected junior colleges. Concludes that several junior colleges are offering this type of curricula but more emphasis should be placed on the technical curricula to keep pace with demands in the field.
111. **BOUCHER, ROBERT X.** A Comparative Study of Training Programs Available to Route Salesmen in Selected Industries. Unpublished master's thesis, Washington, D. C. Catholic University of America, 1955.
- Reviews training programs for route salesmen, comparing the offerings available in selected industries.
112. **CHRISTENSEN, EDWARD LEROY.** An Inquiry Into the Background and Outcomes of a Community College Curriculum Designed for Making a Life and Making a Living—An Evaluation of Education for Business Majors at Weber College (Utah). An unpublished doctor's thesis, Salt Lake City, Utah. University of Utah, 1953.
- Evaluates community college curriculum for business majors at Weber College, Ogden, Utah, in terms of goals and outcomes. Examines types of courses, characteristics of students, employer appraisal of desirable student characteristics, and student appraisal of curriculum on basis of postcollege experience.
113. **HAYN, VIRGINIA MAY.** Junior-College Work-Experience Programs in Office Occupations. Unpublished master's thesis, Normal, Ill. Illinois State Normal University, 1953.
- Analysis of cooperative work-experience programs in junior colleges. Summarizes articles concerning specific cooperative programs and presents a history and philosophy of cooperative education. Concludes that more emphasis should be given to work study program.
114. **KENT, GEORGE H.** An Analysis of the Business Administration Curricular Offerings of Thirty-seven Junior Colleges of Texas, Compared with Similar Offerings of the Seven Southwest Conference Colleges and Universities, 1953-1956. Unpublished master's thesis, Denton, Tex. Northern Texas State College, 1956.
- Compares business administration offerings of 37 junior colleges in Texas with similar offerings in such curriculums in 7 colleges and universities in the Southwest Conference.
115. **KIRKLAND, TRAVIS.** Business Education Programs in the Public Junior Colleges in Georgia. Unpublished doctor's thesis, Gainesville, Fla. University of Florida, 1955.
- Studies the development of effective office training programs in 6 junior colleges in Georgia. Considers curricula and equipment, personnel, skills and abilities desired by employers, appraisals of programs by graduates. Contains recommendations for revision of program.
116. **KRUEGER, MARVIN L.** An Analysis of Apprentice Enrollments in Wisconsin Schools of



Vocational and Adult Education. Unpublished master's thesis, Menomonie, Wis. Stout State College, 1954.

Reviews apprentice enrollments in Wisconsin schools of vocational and adult education.

117. **LOW, ALICE A.** An Appraisal by the Graduate Students of the Terminal Education Program at Wenatchee Junior College. Unpublished master's thesis, Ellensburg, Wash. Central Washington College of Education, 1956.

Evaluates the terminal programs in agriculture, secretarial sciences, radio and speech, and farm mechanics by means of a questionnaire sent to all students graduating in terminal education from 1950 to 1964. Reviews the 4 distinct groups of students included in the survey and examines the factors contributing most to satisfaction and success. Suggests need for continuous evaluation.

118. **MOSES, GORDON WOODRUFF.**

A Survey and Appraisal of Communications Electronics Courses in Vocational Schools. Unpublished master's thesis, Salt Lake City, Utah. State College of Education, University of Utah, 1956.

Surveys and evaluates electronics courses in vocational schools in the United States. Makes recommendations.

119. **OTLIE, JULIUS FRED.** Co-operative Part-Time Distributive Education in Junior Colleges. Unpublished master's thesis, Normal, Ill. Illinois State Normal University, 1953.

Surveys cooperative part-time programs in distributive education and their practices in 26 junior colleges. Studies organizational practices and procedures.

120. **PERRY, RICHARD S.** A Critical Study of Current Issues in Business Education in the Public Junior Colleges of California. Unpublished doctor's thesis, Los Angeles, Calif. UCLA, 1956.

Identifies current issues in business education in California public junior colleges. Establishes evaluative criteria and compares with existing practices in junior colleges. Stresses need for specialized vocational and

general background, and the differences between the high school and the junior college course. Curricula needed for terminal, transfer, and adult students.

121. **McVEAN, JAMES E.** The Technical Institute Evening Program. Unpublished master's thesis, School of Industrial and Labor Relations, Ithaca, N. Y. Cornell University, 1953.

Examines a technical institute evening program, its characteristics, objectives, staff, curriculum, and promotional methods.

122. **PHILLIPS, LOREN DOUGLAS.** Agricultural Curricula in the Junior Colleges of the United States. Unpublished doctor's thesis, Los Angeles, Calif. University of California at Los Angeles, 1953.

Reviews agricultural curricula on basis of 265 responses from 96 junior colleges, interviews, and studies. Reports community occupational survey most valuable aid to building and revising curriculum. Normative-survey method used.

123. **SASSAMAN, WILLIAM FERRIER.** A Study of Job Requirements of Selected Business Officers in the Greater Philadelphia Area and the Business Curricula of the Community College of Temple University. Unpublished doctor's thesis, Philadelphia, Pa. Temple University, 1956.

Surveys job requirements of business officers and relates these to business curricula of community college of Temple University. Uses normative survey. Recommends continued use of survey approach to business curricula.

124. **SOMMERS, B. KLARE.** An Appraisal of the Construction Technology Program at the Delhi Agricultural and Technical Institute in the Field of Construction Education. Unpublished master's thesis, School of Industrial and Labor Relations, Ithaca, N. Y. Cornell University, 1957.

Evaluates construction technology program at technical institute. Relates to post-graduation experience of graduates.

125. **TULLAR, WILLIAM F.** Non-professional Physical Education



Programs in the Public Junior Colleges of Illinois. Unpublished Master's thesis, Normal, Ill. Illinois State Normal University, 1957.

Attempts to discover what public junior colleges believe should be done to meet the needs of men students in physical education and the extent of accomplishments attained in the public junior colleges of Illinois. Concludes that administrators feel the programs are inadequate for the nonprofessional physical student.

126. ZEH, CARL WILLARK. Major Skills Required by Technicians in Mechanical Research and Development. Unpublished master's thesis, School of Industrial and Labor Relations, Ithaca, N. Y. Cornell University.

Examines major skills required by technicians in mechanical research and development. Includes section on technical education and the role of the technical institute.

### General Education

127. BEARDEN, BURLEY. The Physical Education Program of Arlington State College. Unpublished master's thesis, Denton, Tex. Northern Texas State College, 1954.

Develops evaluative criteria. Applies criteria to physical education program at Arlington State College. Recommendations made for future development of program.

128. DURKEN, DANIEL DONALD, OSB. A Program in Public Address. Unpublished master's thesis, Collegeville, Minn. St. John's University, 1956.

Examines present program of public address. Advocates additions to improve adequacy for students in economics, business, social science, teaching, and political science.

129. HUNTER, SAMMIE RUSHING. Attitudes of Women Students Toward College Physical Education. Unpublished doctor's thesis, Gainesville, Fla. University of Florida, 1956. P. 147.

Constructs and uses a physical education attitude scale. Examines cause of attitudes

as stated by 687 freshmen and sophomore women. Catalogs causal factors for likes and dislikes. Uses item analysis techniques.

130. KUSHNER, JOHN. A Course Outline and Accompanying Audio-Visual Aids for General Chemistry for Students at the Broome County Technical Institute, Binghamton, New York. Unpublished master's thesis, School of Industrial and Labor Relations, Ithaca, N. Y. Cornell University, 1955.

Develops a course outline for general chemistry in a technical institute.

131. MIKLAS, MILTON. An Analysis of Remedial Reading Programs in California Junior Colleges, Four-Year Colleges, and Universities. Unpublished doctor's thesis, Los Angeles, Calif. University of California at Los Angeles, 1954.

Examines remedial reading programs by means of inquiry form and interviews. Evaluates answer in terms of 5 criteria. Lists procedures for identifying needs and preparation necessary for specialists.

132. MOORE, WILLIAM I. A Proposed Method of Teaching a General Education College Course in Physical Science. Unpublished doctor's thesis, Gainesville, Fla. University of Florida, 1956. P. 124.

Checks efficacy of a teaching method designed to develop understanding of phenomena and positive attitude toward nature of science. Includes 7 instructors and 12 sections of freshman science in study. Contrasts "Growth of Ideas" with lecture and problem demonstration techniques; uses control sections.

133. PARTIN, AGNES E. Evaluation of Student Achievement in English Literature and Composition in Certain Selected Junior Colleges in Southern California. Unpublished doctor's thesis, Los Angeles, Calif. University of California at Los Angeles, 1956.

Examines instruments and procedures for evaluating student achievement in English in 15 public junior colleges in California. Reviews stated objectives of institutions and courses. Relates evaluation of achievement





to aims of instruction. Makes recommendations.

134. Plans for Departments of Religion in Liberal Arts Colleges. A report prepared under the direction of Sister Mary Kenneth, OSB, chairman of the faculty committee, Ferdinand, Ind. St. Benedict's College, 1957.
- Explores reorganization and expansion of courses in religion, plans workshops, institutes, and augmented library services; includes proposals for employing distinguished visiting professors.
135. ROBBINS, RICHARD C. Some Criteria for Selection of Content for a General Education Course in Family Living in California Junior Colleges. Unpublished doctor's thesis, Los Angeles, Calif. University of California at Los Angeles, 1954.
- Develops 62 criteria for selecting content for a general education course in family living. Emphasizes importance of knowing student, considering needs of society, being consistent with research. Suggests checklist has useful purpose also for revision of course offerings.
136. SMITH, WILLIS E. Organizational Approaches for the Development of a College Program of Physical Education in General Education. Unpublished doctor's thesis, Gainesville, Fla. University of Florida, 1953. P. 150.
- Examines use of organizational approaches in developing a program in physical education as an integral part of general education.
137. TAPLEY, EARL M. Teaching General Education Courses in Junior Colleges. Unpublished doctor's thesis, Chicago, Ill. University of Chicago, 1955.
- Examines teacher preparation necessary for instructor of general education courses in a junior college.
138. THROSSELL, WILBUR I. Organizational Approaches to the Development of Communication Courses in College Programs in General Education. Unpublished doctor's thesis, Gainesville, Fla. University of Florida, 1954. P. 305.
- Examines use of a variety of organizational approaches to achieve objectives of communication courses. "Web of Communication" developed as an area of general education. Stresses importance of comprehensive and integrated programs.
139. WALSH, RICHARD M. A Study of the Organizational Approaches of Selected Social Science Courses in College Programs of General Education. Unpublished doctor's thesis, Gainesville, Fla. University of Florida, 1952. P. 127.
- Compares the organizational approach with the historical survey and problems approach in social sciences. Recommends consideration in junior college and lower division programs in social sciences.

### Curriculum

140. CALHOON, IVAN R. Social Science, Religion, and Philosophy in the Illinois Junior Colleges. Unpublished master's thesis, Normal, Ill. Illinois State Normal University, 1955.
- A study of the objectives of Illinois junior colleges as published in junior college catalogs shows a wide diversity of courses offered in the public and private junior colleges. Finds little emphasis placed on religion and philosophy except in private colleges.
141. Curriculum Revision of Gaston Institute to Meet the Technical Needs of the Community. Unpublished report prepared by Leo Smith of the Rochester Institute and Ken Holderman of Pennsylvania State College, Gastonia, N. C. Gaston Technical Institute, 1957.
- Revises the curriculum of Gaston Technical Institute, after making comprehensive study of the technical needs of industry in the area. Revisions included in the catalogs of the Gaston Technical Institute, 1957-58.
142. GORDON, SHIRLEY BLOM. An Appraisal of Certain of The Curricula of the Community-Junior Colleges in Washington. Unpublished doctor's thesis, Pull-

man, Wash. State College of Washington, 1957.

Uses selected criteria to evaluate curricula of junior colleges in the State of Washington. Strengths found in programs of adult education, transfer education, general education, community service, guidance, and activities. Weaknesses found in evaluation and cooperative work. Recommends more participation of community in curriculum planning and more work-study in terminal programs.

143. JOHNSON, NELLIE E. A Study of Student Background and Interests as a Basis for Planning a Functional Home Economics Department of Freed-Hardeman College. Unpublished master's thesis, Knoxville, Tenn. University of Tennessee, 1953.

Examines home economics curriculum in relation to socioeconomic backgrounds of freshman students and uses of program by former students. Recommends strengthening programs in home management, child development, and family relationships.

144. LA PENTA, CHARLES A. A Critical Study of the Curricula Opportunities in Catholic Men's Universities, Colleges, and Junior Colleges. Unpublished master's

thesis, Washington, D. C. Catholic University of America, 1955.

Reviews programs available in Catholic men's universities, colleges, and junior colleges.

145. KLETT, RICHARD ZEHR. A Survey of the Graduates of the Union-Endicott Technical Course from a Curriculum Revision Viewpoint. Unpublished doctor's thesis, School of Industrial and Labor Relations, Ithaca, N. Y. Cornell University, 1954.

Surveys graduates of high school technical course. Relates to adequacy of graduates to continue in technical fields in higher education.

146. WESSEL, PAUL, Curricular Problems in Junior Colleges. Unpublished master's thesis, Normal, Ill. Illinois State Normal University, 1954.

Analysis of 4 curricular problems in 60 junior colleges in North Central Region. Concludes that publicity programs for adult courses should be created; in next decade lack of junior college teachers will be a problem; clarity and understanding of semi-professional programs are needed; more emphasis should be placed on general education.



## II. PROJECTS UNDERWAY

In addition to the projects completed, the respondents listed approximately 50 projects that were *underway* in the fall of 1957. These have been grouped by themselves, using the same general plan as was followed for the completed projects, but with fewer categories because of the smaller number of returns. These projects relate to regional studies, institutional studies, student personnel services, general education, vocational programs, financing, relationships between the junior college and the community or other college groups and agencies, instruction, and libraries. If available the expected completion date is listed.

### Regional Studies

147. **Adults in College.** A report being prepared by Bernard H. Stern and Ellsworth J. Missall for the Center for the Study of Liberal Education for Adults. Chicago, Ill., 1959.

Will study enrollments and program for adults in Brooklyn College and emphasize coordination with other levels.

148. **Analysis of Strengths and Weaknesses of California Junior Colleges as Viewed by Accreditation Teams.** A study conducted by B. Lamar Johnson. University of California at Los Angeles.

Will review 50 accreditation reports and identify strengths and weaknesses of junior colleges as viewed by accreditation teams.

149. **AYRES, CARL E.** A Statewide Study of the Points of View of Ohio School Administrators and School Board Members With Respect to the Need For Additional Post-Secondary Opportunities and How the Need Can Be Met. Doctor's thesis, Columbus,

Ohio. Ohio State University, 1958.

Will review points of view of Ohio administrators and school board members regarding need for additional posthigh school opportunities and how to meet the need.

150. **A Study of School Housing Needs in Areas With Existing or Proposed Junior College Locations.** A study being conducted by Raymond J. Young for the Bureau of Educational Research, University of Illinois, Urbana, Ill. June 1958.

Will report on school housing needs in areas with existing or proposed junior college locations.

151. **A Study to Determine a Method for Pro-Rating Junior College Expenditures When Housed Jointly With a High School.** A Study being conducted by Raymond J. Young for the Bureau of Educational Research. University of Illinois, Urbana, Ill., March 1958.

Will develop a method for prorating junior college-high school costs when facilities are shared.

152. **Controls Exercised Over the Curriculum by Boards of Control, Legislature and Other Agencies in Public and Private Junior Colleges in The United States.** A study being conducted by C. C. Colvert under the sponsorship of the American Association of Junior Colleges and the University of Texas, Austin, Tex., 1958.  
Will examine the effect on curriculum of various controls in the public and private junior colleges in the United States.
153. **CRAWFORD, ALLAN P.** The Junior College Movement in Washington State. Doctor's thesis, Denver, Colo. University of Denver. June 1958.  
Will survey the historical development of public junior colleges in the State of Washington, with particular reference to social and economic factors affecting establishment and program.
154. **Evaluation of Junior College Accreditation in California.** A Study by B. Lamar Johnson and members of the California Commission for Accrediting Junior Colleges. Los Angeles, Calif. University of California at Los Angeles.  
Will examine strengths and weaknesses of junior college accreditation procedures in California.
155. **Governor's Commission on Higher Education.** A report being prepared under the direction of John C. Baker, President, Ohio University, Athens, Ohio. January 1959.  
Will report on public and private higher education in the State of Ohio.
156. **Governor's Commission Study of Junior and Community Colleges in Michigan.** A study being conducted for the Governor's Commission on Junior and Community Colleges. Gorton Rerthmiller, Chairman of the Commission. Lansing, Mich., January 1958.  
Will define role of community college in Michigan and examine extent of current programs and facilities. Will determine future needs in programs and facilities, and legislative measures necessary for present and future development.
157. **Governor's Study Committee on Trade and Industrial Education in Kentucky.** A study being conducted by Charles R. Crumpton of the Bureau of Vocational Education, the Department of Education, Frankfort, Ky.  
Will study the 13 trade schools in Kentucky and examine the possibility of establishing technical institutions.
158. **HOLSTON, MARION JIMMIE.** Criteria for the Establishment of Public Junior Colleges in Texas. Doctor's thesis, Denver, Colo. University of Denver. 1958.  
Will review criteria for establishment of junior colleges in Texas.
159. **MACGILVRA, DONALD E.** A Study of the Business Administration Departments of the Community-Junior Colleges in the State of Washington. Master's thesis, Seattle, Wash. University of Washington, 1958.  
Will examine the business administration department of junior colleges in State of Washington.
160. **Needs and Facilities for Higher Education in New York State.** A report being prepared by Philip A. Cowen for the New York State Education Department, Publications Bureau, Albany, N. Y. 1957-58.  
Will review needs and facilities for higher education in New York State, with special reference to enrollment, offerings, and available facilities.
161. **Planning for College in New York State—1957.** A report being prepared by Kenneth T. Doran for the New York State Education Department, Publications Bureau, Albany, N. Y., 1957-58.  
Will compile useful material for planning for college in New York State.
162. **The Diversification of American Higher Education—The Junior College.** A study being conducted by Leland L. Medsker under the



direction of T. R. McConnell of the University of California under a grant from the Carnegie Foundation, July 1958.

Will include an intensive study of junior colleges in 15 States, examining curriculum development, student characteristics, transfer, will study junior college problems and relationships at the State level, the success of junior college transfers, and background and attitudes of junior college staff members.

163. State Department of Education Junior College Summary. A report being prepared by F. Floyd Herr, for the State Department of Public Instruction, Topeka, Kans. To be published.

Will summarize organization, financing, student enrollments, programs, capital plant, and faculty in public junior colleges of Kansas.

164. Study of Higher Education in Tennessee. A study being conducted by Truman M. Pierce and A. D. Albright for the Tennessee Legislative Council, Nashville, Tenn., 1957-58.

Will study publicly supported institutions in Tennessee and aspects of private institutions. Will consider economic conditions, existing programs, and facilities projects. Will develop immediate and long-range steps for improvement of higher education.

165. Study of the Needs of Public Higher Education in Kentucky. A study being conducted by James L. Miller, Jr. for the Kentucky Council on Public Higher Education, Frankfort, Ky., 1958.

Will define needs of 6 State-supported institutions and show relation to private institutions, including junior colleges.

166. A Study of the Proportion of High School Graduates in Each County Reported Attending School Beyond High School and Proportion of High Ability Youth Desiring to Continue School and the Proximity to Junior College or Other Public Higher Institution. A study being conducted by Raymond J. Young of the Bureau of Educational Research, University of Illinois, Urbana, Ill., 1958.

Will report on the percentage of high school graduates by county reported attending school beyond high school. Will relate to those desiring to continue school and the proximity of junior colleges or other public higher institutions.

167. The Junior College in Minnesota. A study conducted under the direction of Harry M. Lokken, Research Consultant, State Department of Education, for the Governor's Committee on Higher Education and the State Board of Education, St. Paul, Minn., 1957-58.

Will review population growth and distribution, rise in average and median age, occupational trends, residential movement, and extension of formal education. Will examine the objectives of the community junior college, the necessary programs related to each, faculty, administration, support and criteria for establishment in Minnesota.

168. The Need for Additional Junior Colleges in Massachusetts. A study being conducted by John P. McMorrow of the Division of Research and Statistics, Massachusetts Department of Education, Boston, Mass., 1957-58

Will examine desirability of expanding public junior colleges in Massachusetts. Study will be related especially to expenditures, receipts, enrollment analysis, and curriculum.

169. The Problem of Higher Education. A report being prepared by Paul H. Wueller under the direction of Guy W. Davis for the Joint State Government Commission of the General Assembly of Pennsylvania. Harrisburg, Pa. Clerk of House or Senate, 1959.

As part of a study of the problem of higher education, the Joint State Government Commission of Pennsylvania will report on the possible use of high school facilities as junior colleges on a community level and the extension of college centers similar to those throughout the Commonwealth to be operated by and through existing institutions of higher learning.

170. The Two-Year College Movement in New York State. A report being prepared by Kenneth T.



Doran for the New York State Education Department, Publications Bureau, Albany, N. Y., June 1958.

Will report on the historical development of the 3-year college in New York State, including an examination of organization, financing, enrollments, program, faculty, and coordination with other educational levels.

171. WILSON, L. C. Technical Education in Mississippi Public Junior Colleges. Doctor's thesis, University, Mississippi. University of Mississippi, 1957-58.

Will report development and status of technical educational programs in public junior colleges in Mississippi up to 1955-56.

172. WILSON, ROBERT. An Appraisal of Junior College Administrative Practices in Washington. Doctor's thesis, Pullman, Wash. Washington State College, 1958.

Will review administrative practices in junior colleges in Washington State.

#### Institutional Studies

173. DEMELLO, EDWIN J. A History of the Kern County Joint Union High School and Junior College District, 1893-1953. Doctor's thesis, Los Angeles, Calif. University of California at Los Angeles, December 1958.

Will review community factors of a developmental nature over a 60-year period.

174. EMMET, THOMAS A. Socio-Economic and Geographic Factors Affecting Planning for Community College Vocational, Technical and Semiprofessional Programs in the Detroit Metropolitan Area. Doctor's thesis, Ann Arbor, Mich. University of Michigan, June 1959.

Will develop plans for evaluating curriculum needs in professional, vocational, and technical programs using job cluster approach.

175. Evening Community College. A report prepared by A. T. Rolph under the direction of J. D.

Marcus for local and county boards of education and for Central Michigan College, Mount Pleasant, Mich.

Will report operation of evening community college at Bad Axe, Mich.

176. HARTLEY, JAMES R. A Study of the Potentialities for Growth and Development of the Goshen County Community Colleges. Doctor's thesis, Laramie, Wyo. University of Wyoming, 1957-58.

Will examine the potential for growth and development of Goshen Community College.

177. Religious Attitudes of College Students. A report being prepared by J. B. Gittler and D. Pittman for the Center for Study of Group Relations, Rochester, N. Y. Department of Sociology, University of Rochester, 1957-58.

Will examine religious attitudes of students as related to year of schooling, religious, and economic backgrounds.

178. Self-Study of College for North Central Accreditation Standards. A study of Sacred Heart College, prepared under the direction of Sister M. Hilary, president of the college, Wichita, Kans.

Will report results of a self-evaluatory study of the college in terms of the objectives of the North Central Accrediting Agency.

179. Self-Evaluation Project of Tougaloo College. Conducted under the direction of S. N. Shannon, Tougaloo, Miss. Spring 1958.

Will evaluate program facilities, financial structure and administration of the college.

180. The University of Akron Study Projecting Needs and Services to 1975. A study being conducted by D. H. Gardner and D. J. Gussetta for the University of Akron from funds provided by the Akron Community Trust Fund.

Will project needs and services of the University of Akron to 1975, examining enrollments, curriculum, faculty, instruction, financial, facilities, administration, and student personnel services.





## Student Personnel

181. BERG, RODNEY. A Follow-up Study of Students Enrolled in the Junior Colleges of Washington During the Years of 1948-53. Doctor's thesis, Seattle, Wash. University of Washington, 1958.

Will report on a follow-up of junior college students enrolled in Washington State Junior Colleges.

182. CREACI, GERALD D. A Study of Selected Alumni of City College of San Francisco. Doctor's thesis. University of California at Los Angeles, June 1958.

Will evaluate a program of the semiprofessional student by a followup of 398 former students in 14 terminal programs.

183. HAWK, RICHARD C. A Report On The Post-Graduation Activities of the 1956 Kansas High School Graduates, and a Comparison with 1955 Graduates. Master's thesis, Emporia, Kans. Kansas State Teachers College, December 1957.

Will compare 1956 survey with 1955 survey.

184. MARTHA, MOTHER MARY. Scores on Scholastic Aptitude Test and Survey of Study Habits and Attitudes as Predictors of Achievement in a College for Women. Master's thesis, New York, N. Y. Fordham University, 1957-58.

Will examine intellectual and nonintellectual factors related to success in college. Will be based on freshman and senior classes of 1956-57 at Rosemont College of the Holy Child Jesus.

185. MACDONALD, JOHN. The Citizenship Activities of Graduates from Selected California Public Junior Colleges: A Follow-up Study. Doctor's thesis. University of California at Los Angeles, fall 1959.

Will examine nature and extent of citizenship education in junior colleges and the nature and extent of citizenship activities of graduates; relates activities and evaluates programs.

186. SIMONAITIS, JOHN. An Investigation of the Status of the Student Personnel Program in Evening Colleges. Doctor's thesis. Syracuse, N. Y. Syracuse University, 1958.

Will examine the status of student personnel programs in evening colleges, with special reference to student enrollments and programs.

## Curriculum

187. Catalog of Transfer Course Descriptions, Los Angeles City Junior Colleges. Project being conducted by William N. Kepley, Jr., for the coordinating committee of the Los Angeles School Board, January 1958.

Will develop a catalog of course descriptions of transfer programs offered in 7 Los Angeles Junior Colleges.

188. MITCHELL, MARIBETH. An Integrated Curriculum in Nursing Education for Junior Colleges. Doctor's thesis, Pullman, Wash. Washington State College, 1958.

Will review the scope of the nursing program in 3 junior colleges. Plans an integrated program for nursing in the junior colleges in Washington State.

189. State College Curricula Offered in the Los Angeles City Junior Colleges. A study being conducted by William N. Kepley, Jr., for the coordinating committee of the Los Angeles City School Board, January 1958.

Will review the State college curricula offered in the 7 Los Angeles City Junior Colleges, in order to secure a composite list of all possible majors for which the required lower division work may be secured in the junior colleges.

190. Study of Results of English Proficiency Test. A study conducted by Sister Mary Thomas for the Sacred Heart College, Wichita, Kans.

Will correlate scores on English efficiency tests with achievements in other courses, former scores of general ability and length of time since formal study.

191. **UCLA Curricula Offered in Los Angeles City Junior Colleges.** A study being conducted by William N. Kopley, Jr., for the coordinating committee of the Los Angeles City School Board, January 1958.

Will review the UCLA curricula offered in the 7 Los Angeles City Junior Colleges, in order to secure a composite list of all possible majors for which the required lower division work may be secured in the junior colleges.

192. **WARREN, FRED.** An Investigation of Music in the Adult Education Program of the Public Junior College. Doctor's thesis, University of California at Los Angeles, June 1958.

Will develop criteria for evaluating the adult music program in the junior college.

### Vocational Programs

193. **The National Survey of Technical Institute Education, 1956-1957.** Survey conducted by the American Society for Engineering Education under a grant from the Carnegie Corp. G. Ross Henninger, project director. June 1958.

Will collect and correlate facts, opinions, and philosophies reflecting the present status and trends of that part of higher education which is devoted to the development of engineering technicians and other types of scientific and technological supporting personnel, June 1958.

194. **STEHR, BENNIE.** An Investigation of Employment Practices in Selected Oklahoma Cities With Implications for Improvement of Terminal Business Education in Oklahoma Junior Colleges. Doctor's thesis, Greeley, Colo. Colorado State College.

Will examine the beginning jobs available for junior college business graduates; experience and educational requirements for employment, types of equipment, amount and kind of retraining necessary, and the cooperation of business.

195. **Survey of Industrial Training and Business Education Needs in Belleville Community High School and Junior College District, Belle-**

ville, Ill. A study being conducted by Raymond J. Young for the Office of Field Services, University of Illinois, Urbana, Ill., spring 1958.

Will examine student enrollments, program, and capital plant.

196. **Technician Training.** A study being conducted by Mark Nichols for the Vocational Division, Utah State Department of Public Instruction, Salt Lake City, 1958.

Will examine need for technicians and the extent that this training is available or possible in vocational schools, junior colleges, and other colleges.

### Financing

197. **BRIGGS, ELLSWORTH R.** A Critical Analysis of the Financial Planning, Record Keeping and Reporting, and Financial Needs of Selected Kansas Public Junior Colleges. Doctor's thesis, Austin, Tex. University of Texas, August 1958.

Will examine budgeting, accounting, and financial needs of selected Kansas junior colleges. Will attempt to overcome handicap in reporting financing resulting from difference in public school accounting methods and Manual for Junior College Accounting by Badger.

198. **ZANONI, AUGUST.** A Study of the Financial Supported Public Junior Colleges in Colorado. Doctor's thesis, Boulder, Colo. University of Colorado, June 1958.

Will review legal provisions for the establishment, control, organization, and financial support of public junior colleges in New York, Florida, Texas, California, and Mississippi. Will develop criteria and recommendations for State support in Colorado.

### Relationships

199. **GORTON, SHERIDAN REX.** The Establishment of Criteria for Determining Effective Active Relationships Between Junior College Business Education Programs and Organized Business



Groups. Doctor's thesis, Los Angeles, Calif. University of California at Los Angeles, June 1958.

Will establish criteria and examine practices used to establish effective relationships between business groups and business education programs in junior colleges.

200. HARRINGTON, JOHNS H. A Critical Analysis of the Relationship of the Student Newspaper to the Educational Objectives of the Junior College. Doctor's thesis, Los Angeles, Calif. University of California at Los Angeles, June 1958.

Will examine relationship between educational objectives of the institution and the student newspaper.

201. Two Plus Two Equals? A report being prepared by Kenneth T. Doran for the New York State Education Department, Publications Bureau, Albany, N. Y., 1957-58.

Will report proceedings on conference on relationships between 2- and 4-year colleges.

202. YOUNG, MIRIAM ELINOR. Evaluation of Community-College Relations at Kilgore College. Doctor's thesis, Denver, Colo. University of Denver, 1958.

Will evaluate community-college relations, with special reference to business, industry, and parents.

### Instruction

203. GILLILAND, OUSLEY BOYD. A Comparison of Two Methods of Teaching. Master's thesis, Cedar Rapids, Iowa. State Teachers College, 1959.

Will compare experimental teaching method, employing biographical sketches of great biologists with standard teaching method and compare results.

204. Quality of Students Entering Teaching. A study being conducted by Gil Finlay of the University of Illinois and Charles Howell of the Northern Illinois University for the Illinois Council of Insti-

tutions of Higher Education, De Kalb, Ill. Northern Illinois University, 1958.

Will examine entrance test scores, socio-economic backgrounds, and other factors of freshmen students entering teaching from University of Illinois, Eastern, Western, Northern, Southern universities, and Illinois State Normal, with freshmen having other plans. Will include 9,800 freshmen.

205. Salary Study of Midwestern State Colleges. A study being conducted by H. M. Silvey of Iowa State Teachers College, Cedar Falls, Iowa, 1958.

Will compare salaries in midwestern State colleges by rank, experience, training, and teaching field, a continuous survey.

206. VELTMAN, PETER. Pre-Service and In-Service Preparation of Teachers for Protestant Church-Related Junior Colleges. Doctor's thesis, Wheaton, Ill. Wheaton College, June 1958.

Will examine the preparation of teachers for Protestant-related junior colleges.

### Library

207. JONES, ROBERT C. The Administrative Relationships of The Library in the Public Junior Colleges. Unpublished doctor's dissertation. Denver, Colo. University of Denver, March 1958.

Will encompass broad overall administrative principles as related to college library relationships. Criteria will be established for such relationships and principles checked against library administration relationships in six public junior colleges in Colorado. Recommendations will be made.

208. PRAULINES, RITA. Comparison of Vocational Guidance Materials in Junior College Libraries of California and Minnesota. Unpublished master's thesis, Minneapolis, Minn. University of Minnesota, March 1958.

Will review the effectiveness of the vocational guidance work in junior college libraries in California and Minnesota. Will examine conditions in 22 junior colleges in Minnesota and 49 in California.

## APPENDIX A

JULY 15, 1957.

DEAR EDUCATOR:

The Division of Higher Education of the Office of Education requests your help in undertaking compilation of an annotated bibliography of research studies, surveys, and similar projects bearing on the community-college, junior-college, and technical-institute level of post-high-school education. Dr. S. V. Martorana is in charge of this project and the preparation of the bibliography. Through this service, the Office of Education hopes to answer many requests for sources of current information about this rapidly expanding level of post-high-school education. The last bibliography of this type pertaining to this level of education published by the Office of Education was completed in 1953.

This letter and the form that has been devised for making the compilation are being sent to deans of graduate schools, deans of colleges of education, persons in State departments of education responsible for community-junior colleges and technical institutes, and the executive secretaries of the national associations of higher education. This is being done because many projects are being carried on that have a bearing on the 2-year colleges but which are not thought of as "education" studies—for example, an analysis carried on in a sociology department considering the socioeconomic characteristics of students who attend 2-year colleges as compared with those who attend 4-year liberal arts colleges, or a study to be published by the staff of a college of engineering comparing the common elements in the terminal-technical programs offered in junior colleges and technical institutes of a State with those found in the preprofessional programs in the State university.

In this way, we hope to arrive at as complete a list as possible of the projects that are going on in this area of educational study. Please return the form *even though you have no research or development projects on which to report*. In this event, merely indicate "none" on page 1 of the form and return it. You may wish, in some cases, to check with your colleagues before including a project in your report to the Office of Education. If there is any doubt that the Office is getting information about a given project in a report submitted by another person, please include in your report the project about which there is doubt. The intent of this study is to be as inclusive as possible. Any duplication in the reports will be screened out in this Office.

You can help this survey significantly by completing the enclosed form as directed and returning it to this Office. A preaddressed, postage-free envelope is enclosed for your use. Kindly also send any descriptive materials that may be available for general distribution such as copies of reports, outlines or prospecti, digests of findings, and reprints.

Sincerely yours,

(S) Lloyd E. Blauch,  
LLOYD E. BLAUCH,  
*Assistant Commissioner for Higher Education.*

Enclosure.



Budget Bureau No. 51-B255  
Approval Expires 12/15/57  
Form JCR-1

DEPARTMENT OF HEALTH, EDUCATION AND WELFARE  
OFFICE OF EDUCATION  
Washington 25, D. C.

SURVEY OF RESEARCH STUDIES AND SURVEYS BEARING ON COMMUNITY COLLEGES,  
JUNIOR COLLEGES, AND TECHNICAL INSTITUTES

Name of person completing form .....  
Title or official position ..... Date .....  
Name of college, association, or organization .....  
Address: City ..... State .....

*Directions:* There are two pages to this form. A *separate page 2* should be used for *each* of the research studies and surveys on which you are reporting. Report only projects that have been completed *since January 1, 1953*, that are underway currently, or that have been officially approved for undertaking by your school, college, or organization. Include in your report all research studies and surveys that you know have a direct bearing on community colleges, junior colleges, and technical institutes of post-high-school level even though these institutions are not named in the titles of the projects—for example, "Performance of College Students on the American Council on Education's Psychological Tests," or "Ohio's Needs in Higher Education."

When you have completed the separate page 2 report on each of the projects, *staple* all of the page 2's completed to this sheet and return. If additional copies of page 2 are needed, please request them from this Office. A pre-addressed, postage-free envelope is enclosed for your convenience in returning the form. Kindly also send any descriptive materials that may be available for general distribution such as copies of reports, outlines or prospecti, digests of findings, and reprints.

To provide this Office a means of checking on receipt of all projects on which you reported, please count the total number of page 2's you used and enter the number here .....

Please return this report by September 15, 1957.

Reported by: College, Association, or Organization .....  
Project # .....

1. Title of project .....  
M. A.      Ph. D. or Ed. D.
2. Type of project (Check one): Thesis ..... Thesis ..... Single Institutional or Local Project .....  
Interinstitutional, State, or Regional Project .....  
Other (Specify) .....
3. Name of person directing project .....
4. Name of person directly responsible for research or work on project (if other than the person reported in 3) .....
5. Sponsoring agency, if any (Give specific name of sponsoring agency.) .....
6. Date that project was formally or officially begun .....
7. Method by which project was or is to be financed .....
8. Total amount of money available for project .....
9. Other levels of education included in project (Check one):  
None ..... Elementary ..... High School ..... Other Higher .....
10. Control of institutions at other educational levels included (Check one):  
Private only ..... Public only ..... Both public and private .....
11. Scope of project as related to the community-junior college level (Check):
  - a. Organization and administration .....
  - b. Financing .....
  - c. Student enrollments .....
  - d. Program of offerings .....
  - e. Capital plant .....
  - f. Faculty and staff .....
  - g. Coordination with other levels .....
  - h. Other (Specify) .....
12. Present status (Check one): Completed\* ..... Date Completed .....  
Underway ..... Date to be Completed .....
13. Availability of report if completed (Check one): Published ..... Not Published .....
14. Source from which copy of full report can be obtained .....
15. If reproduced descriptive materials are being sent, check one: Enclosed .....  
Under separate cover .....
16. If no descriptive materials are being sent, please give in the space below, insofar as progress to date will permit, a brief statement of the scope, objectives, findings, conclusions, and recommendations of the project. Use back of this sheet if necessary.

\*Final report approved by school, college, or organization.





## APPENDIX B

DECEMBER 12, 1957.

DEAR.....:

At the present, the Department of Higher Education is compiling a listing of projects and surveys, begun or completed since 1953, relating to the junior college, the technical institute, and the 2-year branch of the senior college.

Of the several hundred projects reported as completed or underway, there are only one or two that have any reference to the library. The library certainly merits consideration as it is the center of the college. I am, therefore, writing to you personally to see if you will:

(a) Help us discover theses, surveys, and projects, begun or completed since 1953, related to the junior college library; and,

(b) Encourage research in your institution toward the improving of the junior college library in terms of the functions of the college.

Attached, you will find a copy of a covering letter which tells more about the purpose and scope of the project, and, in addition, a form to use in reporting any specific thesis, project, or survey.

As we are hoping to complete the annotated bibliography in the next few weeks, an early reply will be appreciated.

Sincerely yours,

(S) D. G. Morrison,  
D. G. MORRISON,

*Specialist, Community and Junior Colleges.*

Enclosures.

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