The 2-Year Community College

An Annotated List of Studies and Surveys

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and S. V. Martorana, Chief, State and Regional Organization

U. S. DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE
Marion B. Poilem, Secretary
OFFICE OF EDUCATION
Lawrence G. DeGloed, Commissioner
FOREWORD

IN 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.

LLOYD E. BLAUCH
Assistant Commissioner for Higher Education

ERNEST V. HOLLIS, Director,
College and University Administration Branch
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Appendix A. Questionnaire
Appendix B. Library Data
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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:


*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**


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


Surveys public and private higher education in Pennsylvania. Considers organizations, financial support, enrollments, programs, plant, faculty, and coordination.


Reports purposes and appropriate programs for Michigan community colleges. Lists principles and criteria for establishment of community colleges.


Studies education and building needs in Thornton Township. A new plant is being constructed following recommendations.


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.


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.


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.


Reports community study related to the development of terminal programs, Northern Wyoming Community College.

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.


Surveys 21 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.


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 college.

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 Unpublished doc-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


Reports on postgraduation activities of 1955 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.


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


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


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


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 includes: need for permission legislation, expansion of University of Toledo undergraduate and junior college program, and alternative recommendation of new, 2-year post-high school program at Ottowa Hills, Ohio.


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.


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


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.


Reviews growth of industry in Connecticut, need for development of technical institute programs meeting industrial needs, and student potential. Proposes establishment of 8 institutes in Connecticut.


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.


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.


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


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


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.


Reviews New Mexico's needs for post-high school programs. Examines organisation, funding, enrollments, program, and coordination with higher institutions.


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,
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<th>Author</th>
<th>Title</th>
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<td>MITTLER, ELI F.</td>
<td>A Proposed Reorganization of Education in an Area, Including 5 East-Central Counties of Missouri.</td>
<td>University of Missouri, Mo.</td>
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<td>MOORE, RALPH D.</td>
<td>A Survey Concerning the Need and Desire for a Community College in Williams County, Ohio.</td>
<td>Ohio State University, Ohio</td>
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<td>Occupational Curricula Offered in Los Angeles City, Junior Colleges. A report prepared by the Junior College Curriculum Coordinating Committee of Los Angeles City.</td>
<td>University of California, Los Angeles, Calif.</td>
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<td>PATTERSON, DOW.</td>
<td>Techniques for Determining Site and Building Needs for California Junior Colleges.</td>
<td>University of Illinois at Los Angeles, June 1953.</td>
<td>1953</td>
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<td>44</td>
<td>RICHARDS, PAUL EASTMAN.</td>
<td>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.</td>
<td>University of California, Los Angeles</td>
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Examinees need for junior college in Bloom Township high school district. Recommendations are being followed in establishing a junior college.

Examine need for junior college in Bloom Township high school district. Recommendations are being followed in establishing a junior college.

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.

Examines need and desire for community college in Williams County, Ohio. Recommends on results of study sent to seniors in high school, their parents, school administrators, and school board members. Recommends permissive State legislation, local and financial cooperation, district consolidation, and curriculum needs survey to establish 2-year posthigh school program.

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.

Reviews need for community colleges for India and their potential development.


Suggests locations and number of future public junior colleges in Illinois.

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.

Examines needs of California. Federal agencies for personnel having technical training.
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 of Virginia, Charlottesville. Reports purposes of adult education in Michigan, develops basic principles for establishment as part of community college program.


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<td>Study of Community Junior Colleges in Allegany County</td>
<td>STANFIELD, JOHN M.</td>
<td>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. Examine the services offered and the future role of junior colleges in the State of Washington, and recommends necessary changes in administration and financing.</td>
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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, 1957. 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.


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.

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


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.


Reviews development of 36 privately supported and 18 publicly supported institutions of higher education in Missouri. Includes 16 senior colleges, 8 teacher colleges, 14 junior colleges, 7 theological and bible schools, and 3 technical, art, and music schools. Examines enrollments, finances, faculty, and future development.


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


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


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

Institutional Studies


Examines record of 3,212 students transferring from Compton Junior College to types of institutions, including university, state college, 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 counselling.


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.


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.


Reviews factual information concerning the family income of students, number of married
students, percentage working, transportation costs, scholarships, and workload.

Instruction


Surveys 230 junior college teachers' qualifications in 10 public junior colleges. Concludes that most junior college teachers lack professional training related to the junior college.


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


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.


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.

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

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.


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


Examines characteristics of junior college public relations program.


Reports answers received from questionnaire sent to selected 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.

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.


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 courses, strengths and weaknesses of the junior college student. 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.


Develops 32 criteria for determining effective relationships. Suggests procedures for avoiding or lessening conflict between vocational and academic programs.


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.


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

Financing


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

Student Personnel


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


Examines and evaluates student personnel services in the community colleges.

89. Cummins, Carl Clinton. An Analysis of Student Personnel Practices in Selected Industrial
AN ANNOTATED LIST OF STUDIES AND SURVEYS

15


Reviews philosophy of student personnel work. Examines student personnel practices in six teacher education colleges offering industrial arts programs. Comments on strengths and weaknesses.


Reviews scholarship practices at the college.


Analyzes and evaluates the administration of student personnel programs in ten California State colleges. Presents recommendations and develops evaluative criteria.


Reviews relationship between farm background and occupational history of 350 technical institute graduates. Relates study to agricultural production, dairy industry, and agricultural service programs.


Examines characteristics of adult college students. Relates specifically to programs and enrollments.


Reports regional findings on student transportation costs in public junior colleges in Texas.


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.

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


Applies principle of selective admission to college by looking back to what would have happened if this policy had been followed a decade ago. Emphasis placed on 20% graduating seniors who were below the 50th percentile on A. C. E. And English examination on entrance.

Library


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


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.


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.


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


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


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.

AN ANNOTATED LIST OF STUDIES AND SURVEYS

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


Examines status of freshman chemistry courses in colleges and universities in Texas.


Develops plan for identifying potential non-graduates in academic program at Olympic Junior College, Bremerton, Wash.

Vocational Programs


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.


Reviews training programs for route salesmen, comparing the offerings available in selected industries.


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.


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.


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.


Studies the development of effective office training programs in 6 junior colleges in Georgia. Considers curriculum and equipment, personnel, skills, and abilities desired by employers, appraisal of programs by graduates. Contains recommendations for revision of programs.

116. KRUEGER, MARVIN L. An Analysis of Apprentice Enrollments in Wisconsin Schools of
Vocational and Adult Education.

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


Evaluates the terminal programs in agriculture, secretarial science, 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.


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


Surveys cooperative part-time programs in distributive education and their practices in 25 junior colleges. Studies organizational practices and procedures.


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.


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


Reviews agricultural curricula on basis of 365 responses from 96 junior colleges. Surveys and evaluates curricula in the United States. Evaluates curricula in the United States.


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.


Evaluates construction technology program at technical institute. Relates to postsecondary experience of graduates.

125. TULLAR, WILLIAM F. Nonprofessional Physical Education

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.


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


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


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


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.


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


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


Checks efficiency 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.


Examines instruments and procedures for evaluating student achievement in English in 18 public junior colleges in California. Reviews stated objectives of institutions and courses. Relates evaluation of achievement

Explores reorganization and expansion of courses in religion, plans workshops, institutes, and augmented library services; includes proposals for employing distinguished visiting professors.


Develops 82 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.


Examines use of organizational approaches in developing a program in physical education as an integral part of general education.


Examines teacher preparation necessary for instructor of general education courses in a junior college.


Examines use of a variety of organizational approaches to achieve objectives of communication courses. "Web of Communication" developed as an area of general education. Stress importance of comprehensive and integrated programs.


Compares the organisational approach with the historical survey and problem approach in social sciences. Recommends consideration in junior college and lower division programs in social sciences.

Curriculum


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.


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.


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.


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


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


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 semiprofessional 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


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


Will review 80 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 postsecondary opportunities and how to meet the need.


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


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.


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.


Will examine strengths and weaknesses of junior college accreditation procedures in California.


Will report on public and private higher education in the State of Ohio.


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.


Will review criteria for establishment of junior colleges in Texas.


Will examine the business administration department of junior colleges in the State of Washington.


Will review needs and facilities for higher education in New York State, with special reference to enrollment, offerings, and available facilities.


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, Kana. To be published.

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


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


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.


Will review population growth and distribution, age and median age, occupational trends, residential relocation 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.


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


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 courses 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.


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


Will review administrative practices in junior colleges in Washington State.

Institutional Studies


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


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


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


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


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


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


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. Guzetta 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


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


Will evaluate a program of the semiprofessional student by a follow-up of 198 former students in 14 terminal programs.


Will compare 1956 survey with 1955 survey.


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.


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.


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

Curriculum


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


Will review the scope of the nursing program in 7 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.


Will correlate scores on English proficiency 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. Repeley, 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.


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

Vocational Programs


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.


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

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


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.


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 Organised Business

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


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


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

Instruction


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


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 3,000 freshmen.


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


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

Library


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


Will review the effectiveness of the vocational guidance work in junior college libraries in California and Minnesota. Will examine conditions in 25 junior colleges in Minnesota and 30 in California.
APPENDIX A

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,

Lloyd E. Blauch,
Assistant Commissioner for Higher Education.

Enclosure.
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.

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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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