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Supplement No. I 1968



OCCUPATIONAL RESEARCH

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SELECTED BIBLIOGRAPHY OF IOWA RESEARCH
IN VOCATIONAL-TECHNICAL EDUCATION
AND RELATED AREAS - 1963-1968
as compiled by the Iowa R C U

STATE OF IOWA • DEPARTMENT OF PUBLIC INSTRUCTION

OCCUPATIONAL RESEARCH

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SELECTED BIBLIOGRAPHY
of IOWA RESEARCH in
VOCATIONAL-TECHNICAL EDUCATION
and Related Areas -- 1963-1968

PAUL F. JOHNSTON, Superintendent of Public Instruction

Compiled by
Research Coordinating Unit
Vocational Education Branch
Department of Public Instruction

State of Iowa 1968

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INTRODUCTION TO SUPPLEMENT NO. 1

The IOWA R C U published a selected bibliography of Iowa research in Vocational-Technical Education and related areas for the years between 1960 and 1967 earlier this year. Contract research, masters theses and doctoral dissertations were included in the bibliography. Now a supplement is developed that includes annotations to new listings in response to the requests from the vocational-technical education community of Iowa.

The Contents page lists the authors alphabetically; however, the subject index appears at the back of this publication.

Inasmuch as many Iowa 4(a) funded projects are still in process, the Iowa RCU plans to include listings of the abstracts of these final reports in future supplements.

Meanwhile, your additions to this bibliography series, plus any corrections, are most welcome by the Iowa RCU staff.

KEY TO BIBLIOGRAPHY SUPPLEMENT

IRCU

- IOWA RESEARCH COORDINATING UNIT
- IRCU 331 (2151)
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AUGUST 1968

IOWA RESEARCH COORDINATING UNIT VOCATIONAL EDUCATION BRANCH DEPARTMENT OF PUBLIC INSTRUCTION GRIMES STATE OFFICE BUILDING DES MOINES, IOWA 50319 Abstracts of studies included in this Bibliography Supplement No. 1 may be obtained without charge from the IOWA R C U upon request. Please order by document number, using the tear sheet provided below. Also, you may have a copy of the first BIBLIOGRAPHY as long as copies last. The collection of complete documents is available for viewing at the RCU on weekdays between 8:00 and 4:30 p.m.

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IRCU	339	(2159)	IRCU	351	(2171)	IRCU	363	(2183)	IRCU	375	(2195)
IRCU	340	(2160)	IRCU	352	(2172)	IRCU	364	(2184)	IRCU	376	(2196)
IRCU	341	(2161)	IRCU	353	(2173)	IRCU	365	(2185)	IRCU	377	(2197)

For a separate publication, "Abstracts of Iowa Research in Health Occupations Education, 1960 - 1968" as compiled by Thomas F. Tibbitts, write the Iowa RCU. This is a new compilation of health occupations research in Iowa and a copy is yours for the asking.

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ware tabulated on 763 returned quantionnaires or a 30 per cour returns

project. It was conducted in cooperation with Black Back College (Illinois).

IRCU 361 (2181) Ag. Ed. Research Publication No. 15.

ABEL, FRANCIS LEO. "Competencies in Forage Crop Production and Utilization Needed by Farmers." M.S. Ames, Iowa: Iowa State University. 1966.

Purposes: to determine the competencies needed by farmers engaged in forage crop production and utilization; to determine the relation of years of farming, size of farm, acres of forage, educational experience and major type of livestock produced to the evaluation of the degree of forage competence needed by and possessed by a selected sample of outstanding Iowa forage producers and a selected random sample of Iowa farmers, and to plan for educational needs of present and prospective farmers.

IRCU 352 (2172)

Area III ha materosolitation per constitution of the constitution

Iowa Lakes Community College, Estherville, Iowa.

"Manpower and Training Needs Curriculum Development Survey: Automotive Technicians, Welding Technicians, Office and Clerical Workers, Farm Management Workers." 1967. (4a RCU research project No. 47.)

The geographic area surveyed includes Clay, Dickinson, Emmet, Kossuth, and Palo Alto counties. This study was limited to areas needed for current curriculum planning. Questionnaires were mailed to 1,955 firms as to their manpower needs in 1967 and in 1970 for automotive technicians, welding technicians, office workers and farm management workers. Results were tabulated on 763 returned questionnaires or a 30 per cent return.

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for the job titles listed on each questionnaire. To determine the XI serA

Eastern Iowa Community College
Bettendorf, Iowa 1967. 149 pp.

"Eastern Iowa Community College Occupational Survey" (A study of the needs for post-high school education in the community college district.) (4a RCU Research Project No. 33)

This study, with emphasis upon vocational-technical, college parallel, and adult educational programs, is a comprehensive, regional occupational project. It was conducted in cooperation with Black Hawk College (Illinois).

Findings seem to indicate both the scope of offerings and the image of the community college should be improved upon. Pre-employment programs are needed in business and technology. Needs exist for preprofessional programs in engineering, social work, teaching and medicine.

The college should review its programs, articulation procedures, and guidance services to determine how it might best serve youth in the middle and lower thirds of their classes, those not desiring to enter the professions and those graduating from high school in a general curriculum which does not prepare for occupational entry or necessarily for college work.

IRCU 376 (2196) (2196) (2196)

Area X

Area Ten Community College

Cedar Rapids, Iowa

"Skilled Needs Survey of All Employers of Four or More Persons Within the Area Ten Community College District." 1967. (4a RCU Research Project No. 31)

Purpose: to determine number and kind of semi-skilled, skilled and technician level workers that will be needed in the seven counties of the Area Ten Community College district: Benton, Cedar, Iowa, Johnson, Jones, Linn, Washington. To determine from employers their needs for workers who might be trained by the College. More than 500 job titles in 12 major occupational groups were surveyed and reported according to Standard Industrial Classification code.

Current employment was set at 45,686, with employment in September 1968 at 48,637 and projected for September 1970 to 52,476.

IRCU 373 (2193) Warred Street Street

Technicians, Welding Technicians, Office and Clerical Workers, Far IX

Area XI Community College (Area Marie 100 A)

Ankeny, Iowa

LANGERMAN, PHILIP DUANE. "A Skilled Needs Survey With Implications for Vocational Technical Education in Central Iowa." Ph.D. Ames, Iowa: Iowa State University. 1968 (4a RCU Research Project No. 32)

Purpose: to determine number and kind of semi-skilled, skilled and technician-level workers that will be needed in the Area XI Community College District in January 1967 and by the fall of 1968 and 1970. To determine number of current vacancies in each occupational area and for the job titles listed on each questionnaire. To determine the number of workers that each employer anticipates he will employ by September 1968, and September 1970. To determine percent leaving employment due to death, retirement or promotion per year in each occupational area. To determine extent of formal in-plant training, to include current number of trainees and projected number to complete training by 1968 and 1970. To secure from employers their estimation of the availability of trained persons for each job title as being short, adequate or surplus; to develop a questionnaire and job descriptions to establish a procedure for carrying out a skilled needs survey that might be adopted for state-wide use.

Recommendations include that this study be repeated in five years to determine the changes, if any, for semi-skilled, skilled and technician level workers in the Area XI Community College District. It is recommended that studies include all government workers. If other area school districts are planning similar studies, the limitation of surveying only those employers with four or more employees should be carefully considered. This investigator recommends surveying on a random basis

or all employers for districts of limited population. Further studies should be conducted to determine the need for other educational programs to be offered employees of industry which may affect the employee's productivity and value to the employer.

It is recommended that a uniform state-wide study be undertaken by the U.S. Department of Labor to provide continuous current information to area schools and the Department of Public Instruction and the State Board of Public Instruction.

IRCU 358 (2178)

Area XIII

Iowa Western Community College

Council Bluffs, Iowa 51501

"Skilled Needs Survey of Employers of Four or More Persons Within the Iowa Western Community College (Area XII) District" (Summary for Council Bluffs-Omaha metropolitan area only) 1968. (4a RCU research project No. 38)

This summary is the result of skilled needs survey conducted in early 1968 to determine number of skilled workers needed in firms and industries employing four or more persons in this community college district. Area includes Cass, Fremont, Harrison, Mills, Page, Pottawattamie and Shelby counties, Iowa; and Douglas and Sarpy counties of metropolitan Omaha, Nebraska, were added to the area surveyed. Thirteen different occupational questionnaires were used. This summary will be analyzed in conjunction with present and potential graduates from existing training programs in the area. Training programs for semi-skilled, skilled and technician level workers will be planned from this analysis.

IRCU 353 (2173)

Area XVI Southeastern Iowa Community College

Burlington, Iowa

"Skilled Needs Survey of All Employers of Four or More Persons Within the Southeastern Iowa Community College District." 1967-68 (4a RCU research project No. 35.)

Purpose was to gain objective view of current and future (1968-70) employment situation regarding skilled and unskilled labor needs in this area of Iowa. A questionnaire was distributed to employers of four or more persons. Fifty largest employers were contacted personally. Usable questionnaires were returned from 576 employers. Returned responses represented 14,701 employees of a total work force of approximately 27,000. Current listed openings were 526, with machine and industrial making up more than 56 per cent of the openings. Increase in openings by 1970 plus turnover of employees indicates the need for more than 2,000 trained workers to fill

The survey was designed to determine skilled employment needs of businesses and industries throughout the Area XVI so that Southeastern Iowa ACC could establish or seek to continue those educational programs that would most nearly prepare the students for occupational endeavors in needed areas.

IRCU 365 (2185) Ag. Ed. Research Publication No. 21.

BEAVER, RONALD DEAN. "Competencies in Farm Labor Utilization Needed by Farmers." M.S. Ames, Iowa: Iowa State University. 1967.

Purposes: to determine competencies needed by farmers in labor utilization. Secondary objectives were to determine degree of competence farmers needed in the competencies and the relationships between competencies and certain characteristics of farmers and farm businesses.

IRCU 339 (2159)

CASEY, JOHN WESLEY. "An Appraisal of Public Community Colleges in Iowa." Ph.D. Education, Ames, Iowa: Iowa State University, 1963. Interlibrary loan.

Purpose: to appraise certain aspects of the 16 public community (junior) colleges in Iowa; to trace the achievement of community college transfer students after transferring to one of the three state universities; to predict the achievement of transfer students who matriculated at the universities; to determine the graduation rate of the students who matriculated during the academic years 1955-1958, to predict the probability of graduation of public community college transfer students from the three state universities. Population: 1,088 transfer students from the 16 public community colleges in Iowa to the three state senior institutions. There were 4,269 full-time students enrolled in the 16 institutions on September 15, 1962. This represented an average enrollment of 266.8 students. It was found that the enrollment in the community colleges had more than doubled since the time of Lagomarcino's study in 1954-55.

There were 335 faculty members teaching in 1961-62. Four staff members had doctoral degrees, 266 had masters degrees and 63 had bachelors degrees; 46 instructors were granted temporary approval of the State Department of Public Instruction.

For the 1961-62 school year there were 28 classes with five or fewer students enrolled and three classes that enrolled between 56 and 60.

IRCU 372 (2192) Ag. Ed. Research Publication No. 29
CHRISTENSEN, VIRGIL WILLIAM. "Competencies in Animal Nutrition Needed by Farmers." M.S. Ames, Iowa: Iowa State University. 1968.

Purposes: to determine animal nutrition competencies needed by farmers; to determine the degree these animal nutrition competencies are needed and possessed as expressed by both a selected sample of outstanding farmers and a random sample group of farmers who were enrolled in adult farmer classes; to determine the relationship of years of farming, size of farm, size of livestock production enterprise, and a major type of farming program to the evaluation of the degree of competence in animal nutrition needed and possessed by a selected sample of outstanding livestock producers and a random sample of livestock producers; and to plan for education needs of present and prospective farmers.

IRCU 346 (2166)

CHRISTMANN, PHYLLIS A. "Recognized Problems of Single Girls in Iowa Entering the Work World Folling High School Graduation." M.S. Ames, Iowa: Iowa State University. 1967. 91 pp. Library, Iowa State University. (4a RCU research project No. 27)

Purpose: because many girls have adjustment problems as they enter the work world following graduation, there is a need to identify bases for providing educational experiences in our curricula that will help girls make these adjustments.

Objectives: To identify the recognized problems of single girls in Iowa entering the work world and study relationships between kinds of problems and population of home town, present place of residence, semesters of home economics completed, living arrangement and occupation.

Participants were divided into six categories according to occupations: clerical, sales, work-in-home, work-in-institution, work-in-factory and unemployed. About 94 per cent of the 491 participants had some home economics and nearly 65 per cent had two or more years. The large amount of home economics completed suggests that pupils who are not college bound are likely to enroll in home economics for more than one year. Clerical workers had the fewest problems with employment.

IRCU 362 (2182) Ag. Ed. Research Publication No. 18.
CHRISTY, JAMES RAYMOND. "Competencies in Farm Business Analysis Needed by Farmers." M.S. Ames, Iowa: Iowa State University. 1966.

Purposes; to determine competencies needed by farmers to be successful in farm business analysis, to determine degree of competence needed and possessed by the members of the sample studied, and implications for future planning of educational needs of farmers.

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EBERT, GLADYS M. "Suggestions for Homemaking Programs to Meet Needs of Educable Mentally Retarded Pupils." M.S. Ames, Iowa: Iowa State University. 1967. 243 pp. Library, Iowa State University. (4a RCU research project No. 9 & 16)

Pilot investigation to obtain information as a basis for developing curricula in high school home economics programs aimed at meeting the needs of the educable mentally retarded. Suggestions were developed for high school curriculum in home economics for educable mentally retarded.

IRCU 334 (2154)

FOX, CHARLENE B. "Measuring the Attainment of Textile Concepts by High School Pupils." M.S. Ames, Iowa: Iowa State University. 1967. 89 p.

Investigation to develop and validate an instrument which homemaking teachers might use in determining the attainment of certain textile concepts. Permission to use textile concepts identified by Corns was secured. Essay tests including these concepts were administered to pupils in 19 Iowa high schools to obtain their concepts and word usages for use in a multiple-choice test. Pupils also responded to essay tests.

Multiple-choice test is not a valid indicator of the pupils' level of conceptualization. It is recommended that a study be made of the level of conceptualization of Iowa homemaking pupils in this area as a basis for curriculum planning using the essay type of test. Such a study might well determine the relation of experiences to their concept level.

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GIESE, HARLAN E. "Iowa Training Needs for Metal Tradesmen." M.A. Cedar Falls, Iowa: University of Northern Iowa. November 1967. (4a RCU Research Project No. 23)

Surveyed 823 metalworking manufacturing firms and 189 other employers as to skilled manpower needs in 11 job classifications in statewide survey. An annual average of 3,505 trained metal tradesmen to fill vacancies in their firms for the years between 1966-1972. Largest need was for production machinist and molder-foundry workers.

IRCU 355 (2175)

GILBERT, ARDYCE LUCILE. "Clinical Evaluation of Predictive Data for Prospective Home Economics Teachers." M.S. Ames, Iowa: Iowa State University. 1966. Interlibrary loan. (4a RCU Research Project No. 15)

Investigation is part of a longitudinal research to predict effectiveness of homemaking teachers who are graduates of Iowa State University.

Purpose of study is to explore usefulness of clinical evaluations for prediction since a recent statistical analysis of data* revealed the prediction formula inadequate for reliable estimates of an individual. The plan was to determine reliability of judges' estimates and to correlate their estimates and the composite success scores.

It appears that all predictive data are useful since reference was made to all types in the reasons given by the judges.

*Crabtree, Beverly, Predicting and Determining Effectiveness of Homemaking Teachers. 4(a) Research Project No. 6 (IRCU 65 (557)

IRCU 371 (2191) Ag. Ed. Research Publication No. 27
HICKMAN, ROY DON. "Farm Business Record and Analysis Systems of Iowa Farm
Operators." M.S. Ames, Iowa: Iowa State University. 1967.

Purposes: to determine procedures and practices in farm business record keeping and analysis used by Iowa farm operators; to determine degree to which farm business records are kept by Iowa farm operators; to determine degree to which these records are used for analysis purposes by Iowa farm operators; and to investigate the relationship between certain farm operator and farm business characteristics and the degree to which farm business records are kept and used for analysis purposes by Iowa farm operators.

IRCU 374 (2194)

HILL, ALBERTA D. "Final Report of Institute for Home Economics Teacher Educators on Preparing Teachers for Occupational Records Programs." February 1968. Project No. 70500 Grant No. OEG-3-7-070500-3049. U.S. Department of Health, Education, and Welfare, Office of Education, Bureau of Research, three week institute at Iowa State University, Ames, Iowa: July 24-August 11, 1967.

This report includes a brief review of procedures of the institute and specific suggestions for teacher education developed during the institute by 30 participants from 24 states.

IRCU 364 (2184) Ag. Ed. Research Publication No. 20.
HOERNER, HARRY JOHN. "Competencies in Electricity Needed by Iowa Farmers."
M.S. Ames, Iowa: Iowa State University. 1966.

Purposes: to determine the degree of competence needed and possessed by members of average and outstanding Iowa farmer groups; to determine the relationship of certain factors (such as years in farming, educational attainment and use of electricity) to the degree of competence needed and possessed by farmers and to provide information to assist in planning future educational needs for farmers.

IRCU 357 (2177)

HUNSICKER, NORMA ANN. "Management Problems of Young Employed Homemakers."
M.S. H.Ec.Ed. Ames, Iowa: Iowa State University. 1967 136 pp.
(4a RCU Research Project No. 28)

A survey to determine time and management problems recognized by young, Iowa married women, 16-24 years of age, was accomplished by sending a questionnaire and using data from replies of 250 women and interview information from a small sample of this group.

Selection of problems around which to develop appropriate instructional materials in high schools and area schools indicated that organization for use of time was a common problem. These are the most frequently mentioned money problems:

- a. Money for emergencies
- b. Anticipated future money needs
- c. Staying within the budget
 - d. Avoiding impulse buying
 - e. Expenditures for home furnishings, clothing and gifts.

A pilot demonstration instructional program is to be created in Phase II of the long range project (July 1, 1968 to June 30, 1969). (4a RCU Research Project No. 51.)

IRCU 335 (2155)

INDUSTRIAL RELATIONS CENTER

Iowa State University, Ames, Iowa: "Job Vacancies in Iowa Manufacturing Establishments as reported for the period March through August 1966." Vol. I, No. 1. April 1967.

IRCU 336 (2156)

INDUSTRIAL RELATIONS CENTER

Iowa State University, Ames, Iowa: "Job Vacancies in Iowa Manufacturing Establishments as reported for the period March through August 1967." Vol. II, No. 1. October 1967.

IRCU 337 (2157)

INDUSTRIAL RELATIONS CENTER

Iowa State University, Ames, Iowa: "Job Vacancies in Iowa Manufacturing Establishments as reported for the period September 1967 through February 1968. Vol. II, No. 2, February 1968.

This is the third in a series of surveys designed to provide a measure of the extent and nature of job vacancies in Iowa manufacturing establishments.

A fourth survey is being prepared to cover the period March-August 1968. These and subsequent surveys will provide a semi-annual and perhaps quarterly in the future, report of job vacancies.

IRCU 338 (2158)

INDUSTRIAL RELATIONS CENTER

Iowa State University, Ames, Iowa: "Occupational Projections for Iowa, 1975." Catherine A. Palomba. February 1968.

This paper utilizes the information and suggested method presented in the publication, Tomorrow's Manpower Needs by the Bureau of Labor Statistics to obtain occupational projections for Iowa for 1975. The first step in making occupational projections is to project industry employment. Linear regressions of state on national industrial employment were used to predict employment of private wage and salary workers in Iowa in 1975. Projections will enable a first approximation of the additional need which must be satisfied in each of 190 occupations by 1975. It is hoped they will be of use in vocational guidance.

Data collected by the Industrial Relations Center at Iowa State University are aimed at this goal. Data reports of current job vacancies in Iowa in manufacturing give an indication of occupations in which vocational training would be justified.

IRCU 377 (2197)

JAKUBAUSKAS, EDWARD B., Ph.D. "Comprehensive Health Manpower Planning:
Demonstration of Research-Conference Procedures for Estimating Health
Manpower Requirements and in Evaluating Educational and Training Programs
for Selected Health Occupations in Non-Metropolitan Areas." Final Report,
Project No. 7-8374, Grant No. OEG-1-7-078374-3897. May 31, 1968.

Purpose: to explore feasibility of developing a comprehensive system for health manpower planning, involving educators, leaders in health occupations, state officials, and university research personnel.

A pilot-feasibility project was approved and funded for the period September 1, 1967 to March 31, 1968, and later extended to May 31, 1968. "Proceedings of the Health Manpower Conference, March 13-14, 1968," is in process of completion.

IRCU 332 (2152)

KEMP, SALLY WEATHERFORD. "Student Perceptions of Learning Experience in a Home Management Residence Course." M.S. Ames, Iowa: Iowa State University, 1967. 173 pages. Library, Iowa State University.

Purposes: to determine the extent learning experiences provided in the residence course were perceived by the students as being helpful in achievement of course objectives; develop an instrument to evaluate learning experiences provided in the course; to examine possible influences upon students' perceptions of learning experiences; to recommend possibilities of improving learning experiences and revising of course objectives.

IRCU 351 (2171)

KNUTH, ROGER ALLEN. "An Analysis of the Iowa Training Program Under the Manpower Development and Training Act of 1962." M.S. Industrial Education. Ames, Iowa: Iowa State University, 1967.

Compiled report of graduates of MDTA program in Iowa to present detailed descriptive analysis of these graduates and attempt to determine factors which possibly affect employment success. By end of 1965 Iowa ranked third among all states in number of institutional trainees securing employment through the MDTA programs.

IRCU 366 (2186) Ag. Ed. Research Publication No. 22.
KORDICK, WAYNE ALBERT. "Competencies in Farm Machinery Program Planning
Needed by Farmers." M.S. Ames, Iowa: Iowa State University. 1967.

Purposes: to determine the competencies in farm machinery program planning needed by farmers, to determine competencies in farm machinery program planning possessed by average farmer; to determine competencies in farm machinery program planning possessed by a selected group of farmers; to determine what competencies in farm machinery program planning should be taught by vocational agriculture instructors; to determine relationship of selected factors (such as farming experience, educational attainment and value of machinery owned) to the degree competence was needed and possessed by farmers.

IRCU 369 (2189) Ag. Ed. Research Publication No. 25

KRUSKOP, LeROY LAWRENCE. "Competencies in Farm Management Needed by Vocational Agriculture Instructors." M.S. Ames, Iowa: Iowa State University. 1966.

Primary purpose: to determine farm management competencies needed by vocational agriculture instructors. Other purposes were to determine the possessed competencies and where the needed and possessed farm management competencies were acquired.

IRCU 167 (2179)

LANGERMAN, PHILIP DUANE. "The Occupational Adjustment of 106 Releases from the Iowa Training School." M.S. Ames, Iowa: Iowa State University. 1963.

The aim of the study was to obtain an analysis of a representative sample of the Iowa Training School for Boys, to analyze the program followed at the school, to follow-up their social and occupational adjustment once these boys were released on parole, and to determine the relationship between these factors.

Information was secured from boys admitted between July 1, and October 1, 1961. New commitments were compared with returnees in the study. Average age of new commitments was 16.3; their I.Q. was 95.3, and their reading level was 7.7. That of returnees was 16.5, 88.6 and 6.8 respectively.

The percentage of vocationally trained employed was 94 per cent and the percentage of nonvocationally trained boys was 54 per cent. Seventy-five per cent of the vocationally trained boys were employed in the same or related field and 91 per cent of these used their vocational certificate to gain employment. Thirty-eight per cent of the trainees were on the same job one year later.

IRCU 373 (2193)

LANGERMAN, PHILIP DUANE. "A Skilled Needs Survey With Implications for Vocational Technical Education in Central Iowa." Ph.D. Ames, Iowa: Iowa State University. 1968. (4a RCU Research Project No. 32)

[See Area XI Community College, Ankeny, Iowa, listing IRCU 373 (2193)]

IRCU 360 (2180)

LIDDELL, MARGARET L. "Extended Learning Experiences for a Secondary School Child Development Unit." M.S. Ames, Iowa: Iowa State University. 1968. Interlibrary loan.

Data were collected from ten vocational homemaking teachers in Washington State who taught a unit of instruction in child development which included specific plans for home experiences. A segment of a unit in child development consisting of cognitive and affective objectives, generalizations and learning experiences related to environment and interests of young children was developed. The teaching plans incorporated extended learnings related to the objectives. All of the experiences were perceived by the teachers to be of much or some value in the achievement of objectives. Comments indicated that the method involved fewer problems in planning when extended learnings are integrated with class experiences. Use of class time for planning and reporting was found to be helpful for teachers and high school students in evaluating learning.

IRCU 354 (2174)

MARTIN, DONALD HUGH. "Development of Criteria for a Vocational-Industrial Education Laboratory Evaluation Guide." M.Ed.; Ames, Iowa: Iowa State University, 1968. (4a RCU Research Project No. 24)

The final instrument contains 141 items considered to be important in facility evaluation in the Iowa Area Schools.

IRCU 349 (2169)

MATTERS, LORINE R. "Beliefs and Practices Concerning Administration of Homemaking Programs in Seventh and Eighth Grades in Iowa." M.S. Ames, Iowa: Iowa State University, 1967. 69 pp. Library, Iowa State University.

Investigated to discover beliefs of Iowa school administrators concerning homemaking programs in seventh and eighth grades and to determine practices being followed in carrying out the programs. Differences were ascertained as to practices carried out in administering the homemaking programs according to organizational patterns of school systems and the beliefs of administrators according to length of service. A questionnaire was developed and data from 476 schools were analyzed.

IRCU 367 (2187) Ag. Ed. Research Publication No. 23.
McCLURG, RONALD BRUCE. "Factors Related to Availability of Vocational
 Agriculture Programs in Iowa." M.S. Ames, Iowa: Iowa State
 University. 1968.

Purposes: to determine availability of vocational agriculture programs in Iowa in terms of persons served, facilities utilized, and programs conducted; to determine potential areas for establishment or re-establishment of the vocational agriculture programs; to make recommendations concerning needed vocational agriculture programs; to make recommendations relative to expansion of single-teacher departments to multiple-teacher departments; and to make recommendations concerning expansion of vocational agriculture programs to meet post-high school educational needs of farm workers and operators, and of agriculturally related industry and business employees. Survey by questionnaires was for the 1966-67 school year in public high school districts in Iowa.

IRCU 368 (2188) Ag. Ed. Research Publication No. 24
MITSCHELE, WALTER. "Competencies in Animal Science Needed by Vocational
 Agriculture Instructors." M.S. Ames, Iowa: Iowa State University.
 1965.

Purpose: to determine some competencies in animal science that should be included in in-service training programs for present instructors of vocational agriculture, and in the educational program of future instructors of vocational agriculture. This study was part of a broader study to determine competencies needed by instructors of vocational agriculture in farm management, crops and soils, animal science, agricultural mechanics, and the nonagricultural area.

IRCU 370 (2190) Ag. Ed. Research Publication No. 26
NATTRESS, WAYNE ALLEN. "Competencies in Crop and Soils Science Needed by
Vocational Agriculture Instructors." M.S. Ames, Iowa: Iowa State

Vocational Agriculture Instructors." M.S. Ames, Iowa: Iowa State University. 1967.

Purposes: to develop list of competencies needed by vocational agriculture instructors in teaching crop and soils science; to determine degree of competence needed and degree of competence possessed; to determine factors affecting degree of competence needed and possessed, and to determine sources from which competencies were obtained.

IRCU 341 (2161)

PEASE, DAMARIS. "Survey of Substitute Child Care Arrangements of Families in Central Iowa." Ph.D. Ames, Iowa: Iowa State University with a grant from Iowa State Department of Social Welfare. 1965. Library, Iowa State University.

Survey of working and nonworking mothers in Cedar Rapids and Webster City as to substitute child care. Indications are that more mothers are returning to employment. Need basis for planning supplementary child care service to families with either working or nonworking mothers.

IRCU 340 (2160)

PETERSEN, ALICE W. "Impact Teaching: An Ideographic Study." Ph.D., Ames, Iowa: Iowa State University, 1967. 245 pages. Library, Iowa State University.

A family relations class describes a college teacher who had a major impact upon her students. Data suggest that student growth was not directly related to academic ability but to the personal qualities of the students and the degree of positive response expressed in interviews.

IRCU 363 (2183) Ag. Ed. Research Publication No. 19.

POWELL, THOMAS RAYMOND. "Factors Related to Employment Opportunities in Retail Fertilizer Distribution in Iowa." M.S. Ames. Iowa: Iowa St

Retail Fertilizer Distribution in Iowa." M.S. Ames, Iowa: Iowa State University. 1965.

Purposes: to determine employment opportunities by job category and by economic area, and to analyze managership background. Information is to help administrators of agricultural education in planning future programs where employment opportunities exist.

IRCU 375 (2195)

REED, DIXIE LEE. "Identification of the Functions and Activities of City Supervisors of Home Economics Education." M.S. Ames, Iowa: Iowa State University. 1968.

Purposes: to identify general characteristics and responsibilities of city supervisors of home economics education, to identify functions of city home economics supervisors and relative importance of each

function, and to determine which activities are considered important for the performance of supervisory functions.

Findings: The mean number of years of service as a supervisor was 9.10 and over 80 percent of the supervisors held a master's degree. The mean number of teachers under the direction of one supervisor was 40.42. The mean number of schools supervised by one supervisor was 16.59. Major functions were ranked from the most important function to 10, least important function. Rankings: 1) curriculum development, 2) in-service education, 3) evaluation, 4) selecting and securing materials, 5) planning facilities, 6) staffing, 7) public relations, 8) operational procedures, 9) special services, and 10) research.

Recommendations: Results of the study could serve as a foundation upon which to base units of instruction including course content and learning experiences to be offered both prospective and in-service supervisors.

IRCU 344 (2164)

ROMAN, MARYLIN J. "Concepts of Early Parenthood Held by Senior Pupils in Iowa High Schools." M.S. Ames, Iowa: Iowa State University, 90 pp. Library, Iowa State University. 1967. (4a RCU Research Project No. 18)

Purpose: To identify concepts of Iowa seniors concerning early parent-hood and to discover relationships of these concepts to sex and dating status of pupils and to social status of their families.

IRCU 342 (2162)

SHIPLEY, ANN FRANCES. "Identification of Selected Clusters of Occupations Requiring Similar Home Economics Competencies." M.S. Ames, Iowa:

Iowa State University, 1967. (4a RCU Research Project No. 19)

Purpose: To identify tasks performed by homemaker/home health aide, hotel/motel housekeeping aide, and nursing home/housekeeping aide. Six clusters based on highly intercorrelated items and task functions were obtained. This is part of an ongoing research program of the Home Economics Education Department to provide findings to improve the quality and depth of training offered for several home-related occupations. Recommended training programs will be available to educators responsible for training adults and high school age workers.

IRCU 347 (2167)

SLOAN, SUE KATHERINE. "Identification of Clusters of Items Relating to Personal and Home Life Values of Men." M.S. Ames, Iowa: Iowa State University, 1967. 73 pp. Library, Iowa State University. (4a RCU Research Project No. 7)

Purpose: To initiate development of an inventory to identify personal and home life values of men. Behaviorial items were written to reflect eight such values.

IRCU 348 (2168)

SMITH, FRANCES MARIE. "The Refinement of an Inventory to Measure Personal Values of Homemakers." Ph.D. Ames, Iowa: Iowa State University, 1966. 192 pp. Library, Iowa State University. (4a RCU Research Project Nos. 7 and 17)

Purpose: A knowledge of homemakers' values would facilitate prediction concerning their participation in adult education classes and adoption of beliefs and practices in addition to success as a person, family member, citizen, and worker. Present research refined an instrument developed by Kohlmann to measure values of homemakers to determine the hierarchy for a homemaker of eight values.

IRCU 356 (2176)

SMITH, VETA SMITH. "Ability of a Value Inventory to Discriminate Among Homemakers with Different Characteristics." M.S. Ames, Iowa: Iowa State University. 1968. Interlibrary loan. (4a RCU Research Project No. 17)

Purpose: testing the ability of a Smith* inventory to discriminate among homemakers according to an inventory of 35 items; 17 items exemplified the value of status while 18 represented the value of family life. A stratified random sample of 281 participants was obtained in Des Moines, Iowa, households.

*Smith inventory is by Frances Marie Smith, Ph.D.

IRCU 331 (2151)

ZIMMERMAN, KAREN WRIGHT. "Measurement of Child Development Concepts of Junior High Pupils." M.S. Ames, Iowa: Iowa State University, 1968. Library, Iowa State University.

To further develop an instrument to pretest pupils' child development concepts on continuums of completeness and abstractness. The 26 item multiple-choice instrument developed by Pedersen was revised. Recommendations for instrument improvement are made.

IRCU 333 (2153)

ZIOBEREK, DANIEL L. "An Occupational Survey of Clarke County, Iowa." Field Report, M.A. Education. Des Moines, Iowa: Drake University, 1968.

Employers of one or more persons were surveyed as to method of recruiting employees and projected manpower needs; 130 firms were involved. Shortages of trained workers predicted in health services, government, wholesale-retail; manufacturing; automotive; office; professionals.

To initiate development of an inventory to

IRCU 350 (2170)

ZOOK, WAYNE HAROLD. "Personnel and Training Needs for Skilled and Technical Workers in Iowa Industries Manufacturing and Fabricating Plastics." Ph.D. Ames, Iowa: Iowa State University. 1968. Library: Iowa State University. (4a RCU Research Project No. 41)

Purposes: to identify employee training needs of all Iowa plastic industries; to ascertain skills and knowledge desired of prospective employees; number of trained and skilled employees needed at present and in next five years; to ascertain present sources of plastic workers; and production processes and materials used; to draw implications for development of instructional programs.

Questionnaires were mailed to 177 Iowa industries and completed questionnaires from 96 industries provided data. Twenty-seven industries considered representative of processes and company sizes were contacted for personal interviews to serve in an advisory capacity.

Conclusions included: there is a need for development of instructional programs in the plastics field in the Iowa Area Schools.

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