

Doctorate Theses Reported By Graduated Departments of Health, Physical Education and Recreation 1930-1946, Inclusively*

BY T. K. CURETON**

University of Illinois

Urbana, Illinois

(Submitted for publication, April, 1947)

IN this study the department title is broadly used as physical education, although it varies in various combinations with health education, health, physical welfare, and recreation.

The list of 420 doctorate theses has been compiled from responses to a letter of inquiry sent to all professional departments of physical education offering graduate work in the United States. The inquiry was sent to the 20 institutions reported by Hewitt¹ as offering the Ph.D. or Ed.D. in 1942-1943; in addition, all 56 offering the master's degree were covered to pick up a few other institutions which have developed a doctorate offering since 1942-1943.² The

* This list includes some theses completed in other departments which were partly sponsored or advised upon by one or more staff members in health, physical education, and recreation. Only recently have independent departments for doctorate work been organized in health, physical education, and recreation. To make this plain, one thesis may be cited; the title is *Teacher Education in Physical Education with Special Reference to the Major Programs for Women in Selected State Teachers' Colleges*. This student completed the bachelor's and master's degrees in physical education but the doctorate thesis was developed and sponsored in the school of education rather than in the independent department of physical education; however a member of the latter department served on the committee and the student is legitimately considered a physical education student who carried the professional interest through the doctorate level under the auspices of another department. Since receiving the doctorate this student has continued to teach physical education. At this same university between 1873 and 1943 there were 92 master's and doctorate theses completed in other departments which in one way or another were connected with the department and personnel of physical education, or were sufficiently meaningful in the implications for affecting the program, philosophy, or scientific basis of physical education to deserve listing. The exact percentage included of such "out-of-the-field" work by other academic departments or professional schools is 21.8 per cent.

** The author wishes to acknowledge the help of Mrs. Jean Curran and Mrs. Marie Hunter in compiling and organizing this material.

¹ J. E. Hewitt, "The Doctoral Program in Physical Education," *Research Quarterly*, 17: 82-95 (May, 1946).

² _____, "The Graduate Major in Physical Education," *Research Quarterly*, 13: 252-256 (May, 1942).

RESEARCH QUARTERLY

United States Office of Education's *Educational Directory*, Part III, 1946-1947, does not specifically cover the graduate work in physical education, nor do other available sources.³ Appropriate titles were selected from all these known available sources, including some institutions which offered no graduate work in physical education.

Some 329 of these theses, 78.3 percent, were sponsored by physical education departments, but with the majority of degrees taken in the schools or departments of education, as is true at Columbia and New York Universities. Some 91 other theses, 21.7 percent, were under the auspices of the following named departments which had some special interest in them, either the student being under combination advisement involving the physical education department or a physical education person studying a physical education topic in some other department, such as:

Educational Research	30
Psychology	24
Physiology	6
Sociology	6
Child Welfare	6
Hygiene and Public Health	1
Miscellaneous (not over two in any department)	16
TOTAL	91

The number of Ph.D. theses is 279, 66.4 percent; the number of Ed.D. theses is 139, 33.1 percent; and the number of Dr.P.H. theses is 2, .5 percent. Chart I shows the distribution according to topical emphasis and Chart II shows the distribution according to research methods. Table I and Table II give the detailed breakdown according to institutions for the seven principal kinds of educational emphasis and the eleven methods of research involved.

³ Several sources presumably list the doctoral theses but none of the sources below were found to be complete with respect to the information summarized in this paper:

(1) *Bibliography of Research Studies in Education*. Washington, D. C.: United States Office of Education. Series began 1926-1927.

(2) *Annual List of Doctoral Dissertations*. Washington, D. C.: Library of Congress, began 1912. Published by the University of Illinois, 1917-1927, and since 1927 as in the source above.

(3) *Doctors' Theses in Education*. Washington, D. C.: United States Office of Education, pamphlet No. 60, 1934, (797 theses available for loan).

(4) D. B. Gilchrist, *Doctoral Dissertations Accepted by American Universities, 1933 to date (annually)*. New York: H. W. Wilson and Co. (Vol. I, 1934).

DOCTORATE THESES OF GRADUATE DEPARTMENTS

Frequency According to Years.—In a number of instances a thesis involves more than one emphasis or research method. The classification is made according to the principal emphasis and research method used. The frequency of completed theses for each year, 1930 to 1946

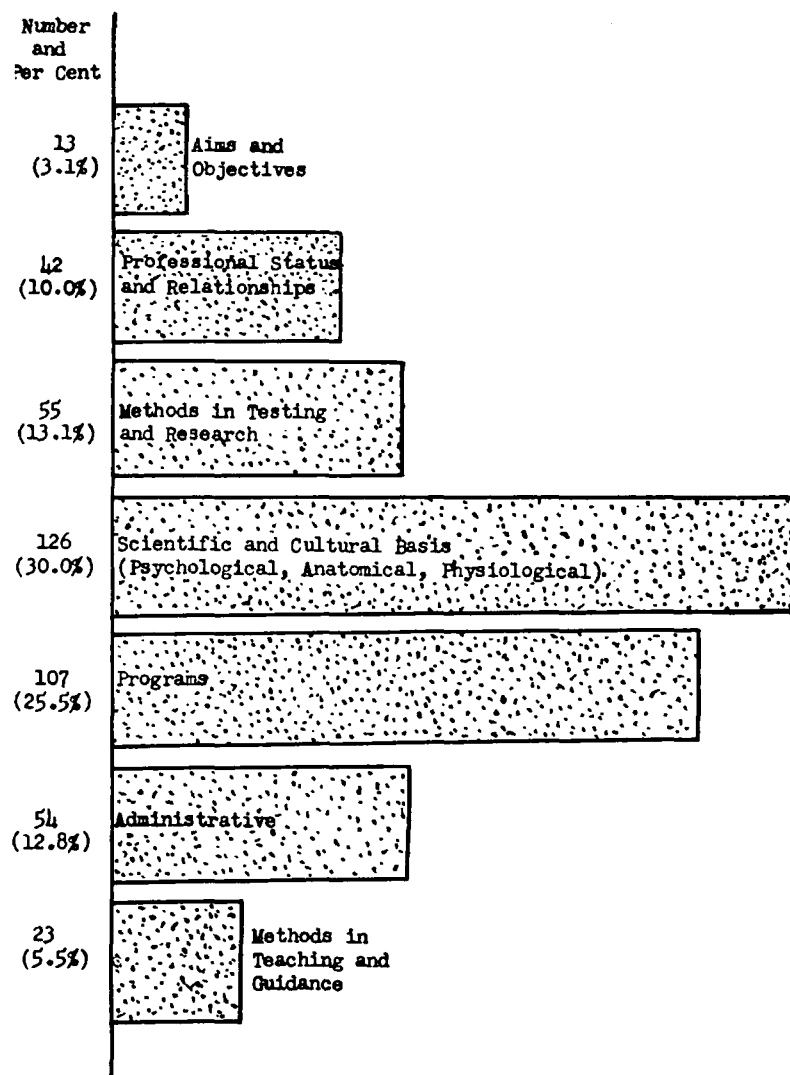


Chart I. Distribution of doctorate theses reported by graduate departments of physical education according to topical emphasis (1930-46 inclusively).

RESEARCH QUARTERLY

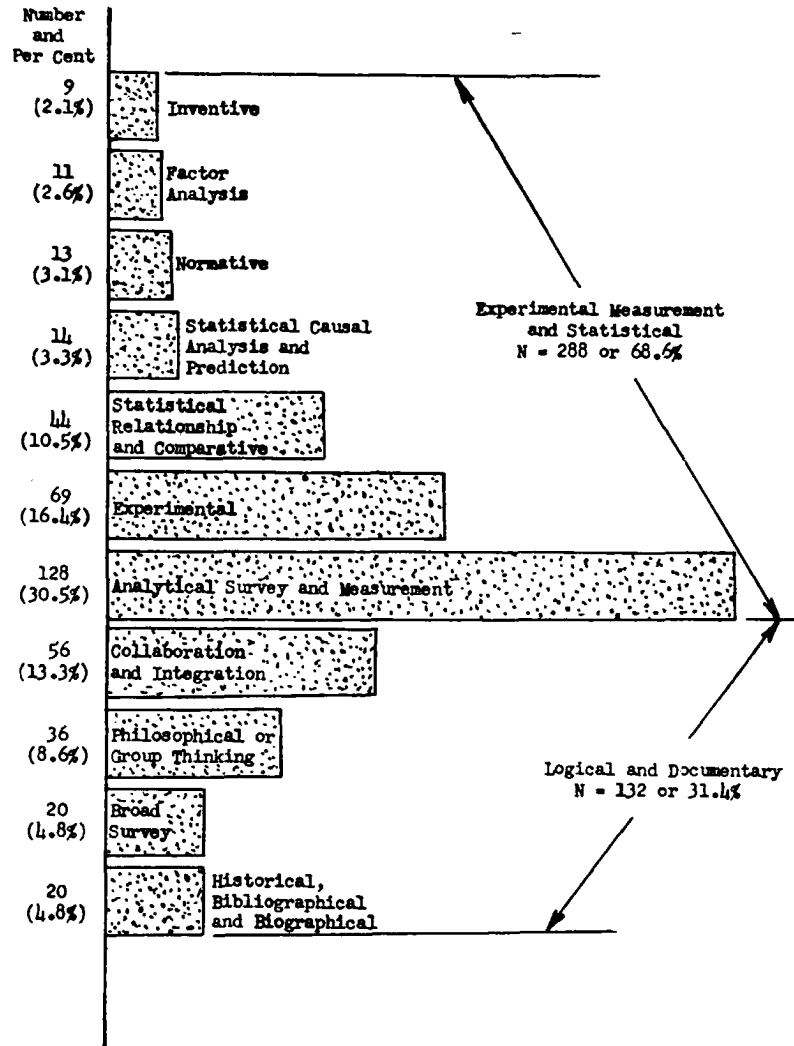


Chart II. Distribution of doctorate theses reported by graduate departments of physical education according to research methods (1930-46 inclusively).

inclusively, is shown in Chart III. This chart shows that the number of doctorate theses completed each year steadily increased from 1930 to 1942, but after the start of World War II dropped sharply from 36 in 1942 to 15 in 1946, covering the span of the war, approximately. Already, from sample reports in hand for 1947, the curve is accelerating upward again.

DOCTORATE THESES OF GRADUATE DEPARTMENTS

GENERALIZATIONS

1. Beyond a doubt this field is now heavily involved in a period of scholastic endeavor which will seemingly eclipse all others. Preparation to handle the demand obviously involves increases in staff, facilities, and program at the doctorate level.

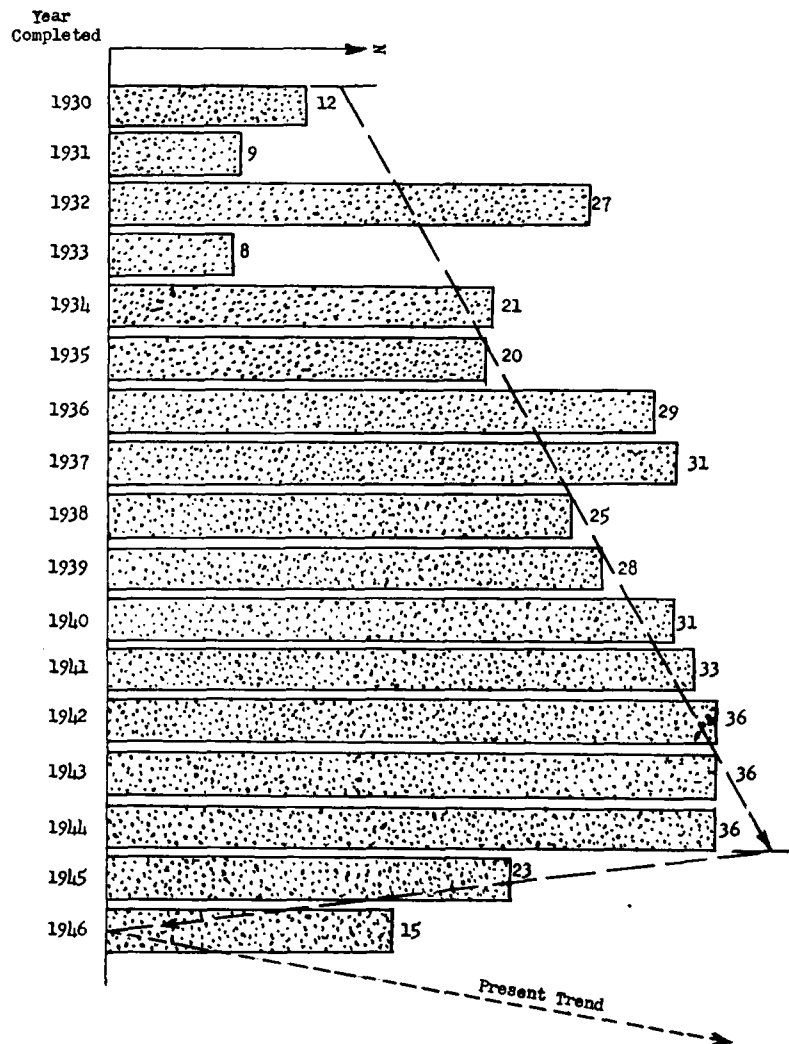


Chart III. Distribution of doctorate theses reported by graduate departments of physical education according to year of completion (1930-46 inclusively).

RESEARCH QUARTERLY

2. The great number of "Analytical Surveys" needs close examination. These are not as rigorous in scientific methodology as the experimental or historical, for instance, and some of these studies could be further developed by statistical causal analysis and factor analysis. Too many of the "Analytical Surveys" involve measurements of a very routine kind, which are not representative of ingenuity or precision. More rigorous library work, particularly as it involves the foreign languages, is needed. Larger participation by state and national agencies seems indicated in the "Broad Surveys" which involve expensive sampling and tabulating procedures.

3. More studies are needed in which actual *improvement* is measured, showing the effects of various programs over periods of time. Measured gains in health, fitness, personality attributes, and skill are relatively few in number.

4. The so-called "Ed.D." program seems to be a process of admitting many candidates to the doctorate without rigorous training in the measurement and statistical procedures upon which all scientific work depends; whereas, the development of needed techniques of measurement and research is lagging as indicated by relatively few studies in areas involving ingenuity, rigorous scientific measurement, and statistical treatment. The National Research Council of the American Association for Health, Physical Education, and Recreation passed a resolution at its 1947 meeting in Seattle deploring the trends away from rigorous research and indicating that these were hurting the progress toward scientific validation of the methods, techniques, and programs in this field.

TOPICAL EMPHASIS

1. ADMINISTRATIVE CONTROL:

- (a) Present overall status of health, physical education, and recreation
- (b) Schedules
- (c) Classification devices
- (d) Equipment—standards—design
- (e) Laws—rules
- (f) Officiating procedures
- (g) Supervisory procedures, evaluative devices
- (h) Administrative measurements and standards
- (i) Up-grading
- (j) Grading
- (k) Requirements
- (l) Publicity
- (m) Job analysis

2. PROFESSIONAL STATUS AND RELATIONSHIPS (INCLUDING TEACHER TRAINING):

- (a) Supply and demand for teachers
- (b) Salaries
- (c) Professional status of health and physical education

DOCTORATE THESES OF GRADUATE DEPARTMENTS

- (d) Preparation (professional training requirements)
- (e) Certification requirements
- (f) Athletic associations
- (g) Professional organizations
- (h) The American Association for Health, Physical Education and Recreation
- (i) Characteristics of the personnel
- (j) Standards for the teaching personnel
- (k) Standards for the administrative personnel
- (l) Standards for the research personnel
- (m) Curriculum analysis in teacher-training institutions
- (n) Trends, methods and standards in specialized fields, i.e., YMCA, public schools, private schools, colleges, youth organizations, camping, recreation

3. PROGRAMS :

- (a) Service and Professional Curricula :
 - (1) A course syllabus in health education, safety education, physical activities, recreation—state, county, city, school, camp, etc.
 - (2) Descriptions of programs in particular schools, foreign countries, etc.
 - (3) Progressive outlines—various types of classes, i.e., body mechanics, corrective, track and field, swimming, dancing, etc.
 - (4) Organization of parts of the curriculum
 - (5) Surveys of interests and attitudes
- (b) Informal Recreation

4. METHODS IN TEACHING AND GUIDANCE—EFFICIENCY OF LEARNING OR AMOUNTS OF IMPROVEMENT :

- (a) Analysis of skills—pedagogical simplification
- (b) Psychology of learning skills
- (c) Motivation and learning by testing
- (d) Methods in specific activities, i.e., health education, swimming, golf, tennis, dancing, etc.

5. SCIENTIFIC AND CULTURAL BASIS (FACTS AND BASIC PRINCIPLES) :

- (a) Physiological—circulatory, respiratory, muscular, sensory and nervous.
- (b) Psychological—interests, carry-over or mental attributes, motivation
- (c) Mechanical—structural size and proportion, growth, posture, etc.
- (d) Sociological—moral, group relations, effects on society, civilization, culture, etc.

6. AIMS AND OBJECTIVES—VARIOUS LEVELS :

- (a) School: Pre-school, elementary, junior high, senior high, junior college, college, university
- (b) Adult: Various groups, sexes, occupations, unemployed, etc.
- (c) Organizations: Camps, clubs, movements, etc.

RESEARCH QUARTERLY

7. METHODS IN TESTING AND RESEARCH:

- (a) Anthropometry methods
- (b) Laboratory methods
- (c) Statistical methods (including applied biometrics)

RESEARCH METHODS

1. *Collaboration and Integration*.—Uses secondary data, bulletins, texts, or library searching, reworks or colligates the material, develops new generalizations without the rigor of statistical analysis, but usually involving careful documentation as to the sources of the original material by accepted bibliographical procedures.

2. *Broad Survey*.—Uses questionnaires, mailing, covers wider geographical scope than can be covered by visitation. Sampling techniques carefully considered.

3. *Analytical Survey and Measurement*.—Uses visitation and case study procedures, usually carefully prepared check lists and interviews. May use measurements or tests to give simple description of characteristics. Includes genetic studies, based upon case-study methods. May apply to individual cases.

4. *Experimental*.—Sets up experimental pattern to control extraneous and disturbing factors to permit study of one selected experimental factor: (a) Single Group Procedure, (b) Parallel Group Procedure, (c) Rotation.

5. *Statistical Relationship and Comparative*.—Uses correlational and graphical procedures to study intercorrelations and comparative trends. Involves descriptive and comparative statistics. Used in the preliminary stages of test construction.

6. *Statistical Causal Analysis and Prediction*.—Uses exact controlled experimentation or inferred statistical analysis through multiple regression analysis and prediction equations of a physical or statistical nature. Used in advanced phases of test construction. Involves superior mathematical treatment.

7. *Historical, Bibliographical, and Biographical*.—Uses library and documentary research techniques, validates source material and testimony, chronological and social emphases and implications.

8. *Inventive*.—Development of new ideas and devices, may take a variety of forms, i.e., mechanical, tests, systems of organization, theoretical explanations, etc.

9. *Philosophical or Group Thinking*.—Controlled thinking procedures derived from logic and experience. Frequently uses committee, jury, or study commission method to evaluate experiences, behavior, or programs, particularly where the results are intangible.

10. *Normative*.—Derives scales for rating achievements, schemes to show individual differences, comparative charts, etc. Also, the development of standards more broadly conceived in terms of "what ought to be," i.e., standards for buildings, equipment, etc., as determined by consensus of a jury.

11. *Factor Analysis*.—Follows a systematic routine known as the Thurstone multiple factor method, determining the factor loadings from a matrix of intercorrelations, rotation according to meaning and prediction of factors. Used in factoring a large group of tests or test items to determine the more fundamental groups or clusters which suggest the primary traits or characteristics.

DOCTORATE THESES OF GRADUATE DEPARTMENTS

TABLE I

DISTRIBUTION OF DOCTORATE THESES IN HEALTH, PHYSICAL EDUCATION,
AND RECREATION*

Topical Emphasis

<i>Name of Institution (34 Schools)</i>	<i>Number of Theses</i>	<i>Administrative</i>	<i>Professional Status and Relationships</i>	<i>Programs</i>	<i>Methods in Teaching and Guidance</i>	<i>Scientific and Cultural Basis</i>	<i>Aims and Objectives</i>	<i>Methods in Testing and Research</i>
Boston College	1					1		
University of California	4	1				2		1
University of Chicago	6			1		4		1
University of Cincinnati	2	1			1			
Columbia University	96	16	11	34	5	15	6	9
Duke University	1				1			
Fordham University	1			1				
George Washington University	1			1				
George Peabody College for Teachers	4			1	1	2		
Harvard University	4					4		
University of Illinois	5	3	1			1		
Indiana University	11	3				6		2
The State University of Iowa	45		2	8	2	15		18
The Johns Hopkins University	10				1	9		
University of Kansas	2					2		
University of Michigan	13		1	1	2	7		2
University of Minnesota	5					3		2
New York University	146	23	15	46	7	37	5	13
The University of North Carolina	1					1		
Northwestern University	3			2		1		
University of Notre Dame	1					1		
The Ohio State University	6	1	1			3		1
The University of Oklahoma	1	1						
University of Oregon	3		1			2		
The Pennsylvania State College	8		2	3		3		
University of Pennsylvania	2				1	1		
The University of Pittsburgh	13	3	1	5		1	2	1
University of Rochester	2					1		1
The University of Southern California	1					1		
Stanford University	14		7	2	1	1		3
Syracuse University	1	1						
University of Virginia	1			1				
University of Wisconsin	2				1	1		
Yale University	4	1		1		1		1
Totals	420	54	42	107	23	126	13	55

*Only the theses reported as being acceptably identified and classified are reported as checked by the Department of Physical Education or library of each institution. There are possibly some theses which are still not reported. If they do not appear, the institution involved did not report them.

RESEARCH QUARTERLY

TABLE II
DISTRIBUTION OF DOCTORATE THESES IN HEALTH, PHYSICAL EDUCATION,
AND RECREATION
Research Methods

<i>Name of Institution (34 Schools)</i>	<i>Number of Theses</i>	<i>Collaboration and Integration</i>																			
		<i>Broad Survey</i>	<i>Analytical Survey and Measurement</i>	<i>Statistical Relationships and Comparative</i>	<i>Experimental</i>	<i>Statistical Causal Analysis and Prediction</i>	<i>Historical, Bibliographical and Biographical</i>	<i>Inventive</i>	<i>Philosophical or Group Thinking</i>	<i>Factor Analysis</i>	<i>Normative</i>										
Boston College	1																				
University of California	4		2	1	1																
University of Chicago	6	1	2	1	2																
University of Cincinnati	2		1									1									
Columbia University	96	19	4	27	6	6	2	6	1	18	2	5									
Duke University	1					1															
Fordham University	1		1																		
George Washington University	1	1																			
George Peabody College for Teachers	4		1	1	1								1								
Harvard University	4				2	1							1								
University of Illinois	5	1	3			1															
Indiana University	11	1	4	4			1			1											
The State University of Iowa	45	2	1	10	5	11	1	1	3	1	7	3									
The Johns Hopkins University	10		1			9															
University of Kansas	2					1							1								
University of Michigan	13		1	4	4	2	2														
University of Minnesota	5			2	3																
New York University	146	22	11	52	15	15	7	6	3	11	1	3									
The University of North Carolina	1				1																
Northwestern University	3		1			1		1													
University of Notre Dame	1	1																			
The Ohio State University	6	1	2			3															
The University of Oklahoma	1		1																		
University of Oregon	3	1					1					1									
The Pennsylvania State College	8	1	5	2																	
University of Pennsylvania	2					2															
The University of Pittsburgh	13		7					3		1		2									
University of Rochester	2					2															
The University of Southern California	1												1								
Stanford University	14	7	1	3		3															
Syracuse University	1	1																			
University of Virginia	1							1													
University of Wisconsin	2		2																		
Yale University	4		2			1				1											
Totals	420	56	20	128	44	69	14	20	9	36	11	13									

DOCTORATE THESES OF GRADUATE DEPARTMENTS

Name	Title	Degree and Date	Topical Emphasis	Research Method
Abernathy, Ruth	A Study of Expenditure and Service in Physical Education; an Analysis of Variables and Suggested Techniques for the Interpretation of Expenditures in Terms of Service in Selected Schools of New York State. New York: Bureau of Publications, Teachers College, Columbia University. Pp. 113.	Ph.D. in Educational Research, 1944	Administrative	Analytical Survey and Measurement
Adams, Louis C.	A Plan for the Development of Postwar Physical Education in Columbia University. Columbia University. Pp. 157.	Ed.D. in Health and Physical Education, 1945	Aims and Objectives	Philosophical or Group Thinking
Adams, Thurston	Motion Pictures in Physical Education: Teaching the Tennis Serve with School-Made Films. New York: Bureau of Publications, Teachers College, Columbia University. Pp. 84.	Ed.D. in Health and Physical Education, 1939	Methods in Teaching and Guidance	Collaboration and Integration
Ainsworth, Dorothy S.	The History of Physical Education in Colleges for Women, as Illustrated by Barnard, Bryn Mawr, Elmira, Goucher, Mills, Mount Holyoke, Radcliffe, Rockford, Smith, Vassar, Wellesley and Wells, Columbia University. New York: A. S. Barnes. Pp. 116.	Ph.D. in Educational Research, 1930	Programs	Historical, Bibliographical, and Biographical
Allard, Lucille E.	A Study of the Leisure Activities of Certain Elementary School Teachers of Long Island. Columbia University. Pp. 117.	Ph.D. in Health and Physical Education in T.C., 1940	Programs	Analytical Survey and Measurement
Allen, Ross L.	Weight Deviation and Health in a College Freshman Group. University of Michigan. Pp. 99.	Dr. P.H. in Hygiene and Public Health, 1936	Methods in Testing and Research	Statistical Causal Analysis and Prediction
Aller, Anne S.	The Rise of State Provisions for Physical Education in the Public Secondary Schools of the United States. University of California. Pp. 241.	Ph.D. in Education, 1935	Administrative	Analytical Survey and Measurement
Altenburg, West J.	A Study of a Method of Measuring Muscle Compressibility. Columbia University. Pp. 61.	Ph.D. in Health and Physical Education in T.C., 1938	Methods in Testing and Research	Inventive
Andrews, George F.	Physical Education for Boys in the Secondary Schools in India; A Critical Study with Suggestions for Reconstruction. Columbia University. Madras: Jupiter Press. Pp. 219.	Ph.D. in Educational Research, 1934	Aims and Objectives	Philosophical or Group Thinking
Anderson, John D.	An Evaluation of Participation in Extracurricular Activities by Secondary School Students. The University of Pittsburgh. Pp. 211.	Ph.D. in Education, 1941	Programs	Analytical Survey and Measurement
Ashbrook, Willard P.	A Method of Selecting Students for Teacher Training in Physical Education. New York University. Pp. 161.	Ph.D. in Education, 1931	Professional Status, and Relationships	Normative
Aulback, Sister M. D.	Health Education Practice in Catholic Elementary Schools: A Study of the Diocese of Brooklyn. Fordham University. Pp. 187.	Ph.D. in Education, 1938	Programs	Analytical Survey and Measurement
Baer, Reuben A.	Relationship Between Rate of Learning and Retention in Several Motor Activities. The Johns Hopkins University. Pp. 113.	Ph.D. in Psychology, 1941	Scientific and Cultural Basis	Experimental

RESEARCH QUARTERLY

Name	Title	Degree and Date	Topical Emphasis	Research Method
Baker, Gertrude M.	A Guide for Teaching Health and Physical Education in the Elementary School. Columbia University. Pp. 143.	Ed.D. in Health and Physical Education, 1946	Programs	Collaboration and Integration
Baker, Mary C.	A Study of Factors Which May Influence the Participation in Physical Education of Girls and Women, Fifteen to Twenty-five. New York University. Pp. 53.	Ed.D. in Education, 1939	Scientific and Cultural Basis	Analytical Survey and Measurement
Barclay, George D.	The Relationship Between Efficient Vision and Certain Sensory Motor Skills. New York University. Pp. 87.	Ph.D. in Education, 1938	Methods in Teaching and Guidance	Statistical Relationship and Comparative
Barker, Gordon H.	Home Recreation. Northwestern University. Pp. 198.	Ph.D. in Sociology, 1940	Programs	Analytical Survey and Measurement
Barton, Helen M.	A Study of the Development of Textbooks in Physiology and Hygiene in the United States. The University of Pittsburgh. Pp. 462.	Ed.D. in Education, 1942	Programs	Historical, Bibliographical, and Biographical
Bass, Ruth I.	An Analysis of the Components of Tests of Semicircular Canal Function and of Static and Dynamic Balance. The State University of Iowa. Pp. 51.	Ph.D. in Physical Education, 1938	Scientific and Cultural Basis	Factor Analysis
Batchelor, Wilbur C.	Changing Conceptions of Leisure and Leisure Education. The University of Pittsburgh. Pp. 113.	Ed.D. in Education, 1936	Aims and Objectives	Philosophical or Group Thinking
Beall, Elizabeth	The Relation of Various Anthropometric Measurements of Selected College Women to Success in Certain Physical Activities. New York: Bureau of Publications, Teachers College, Columbia University. Pp. 68.	Ph.D. in Health and Physical Education in T.C., 1939	Scientific and Cultural Basis	Statistical Relationship and Comparative
Beebe, Elinor L.	Motor Learning of the Child in Balance and in Hand and Eye Coordination as Related to Nutrition. The Johns Hopkins University. Pp. 263.	Ph.D. in Psychology, 1932	Scientific and Cultural Basis	Experimental
Beiswanger, Barbara A.	The Ideational Sources of the Modern Dance in America as Expressed in the Works of Two Leading Exponents, Isadora Duncan and Ruth St. Denis. New York University. Pp. 392.	Ph.D. in Education, 1944	Scientific and Cultural Basis	Collaboration and Integration
Bender, Paul F.	A Study of Some Factors Affecting the Appointment of Prospective Teachers of Physical Education. New York University. Pp. 98.	Ed.D. in Education, 1939	Professional Status and Relationships	Analytical Survey and Measurement
Benkert, Joseph M.	An Appraisal of Health Knowledge in Certain Senior High Schools of Beaver County. The University of Pittsburgh. Pp. 118.	Ph.D. in Physical Education, 1941	Programs	Analytical Survey and Measurement
Benton, Rachel J.	The Measurement of Capacities for Learning Dance Movement Techniques. The State University of Iowa. Pp. 47.	Ph.D. in Physical Education, 1942	Methods in Testing and Research	Statistical Causal Analysis and Prediction
Berry, Roy M.	A Survey and Evaluation of the Work of State Athletic Associations. Stanford University. Pp. 313.	Ed.D. in Education, 1943	Professional Status and Relationships	Analytical Survey and Measurement
Biesanz, John B.	The Youth Hostel. The State University of Iowa. Pp. 283.	Ph.D. in Sociology, 1941	Programs	Analytical Survey and Measurement

DOCTORATE THESES OF GRADUATE DEPARTMENTS

Name	Title	Degree and Date	Topical Emphasis	Research Method
Bishop, W. Austin	The Correlation of Blood Counts, Body Temperature, and Pulse Rate with Emotional Status. New York University. Pp. 127.	Ph.D. in Education, 1942	Scientific and Cultural Basis	Experimental
Blair, Herbert F.	Certain Physical Education Facilities in Eastern Junior and Senior High Schools, Years 1927 and 1928; Criteria for Gymnasiums, Offices, and Service Rooms. Columbia University. New York: A. S. Barnes. Pp. 174.	Ph.D. in Educational Research, 1938	Administrative	Analytical Survey and Measurement
Bleah, T. Erwin	Evaluative Criteria in Physical Education. Yale University. Pp. 131.	Ph.D. in Education, 1945	Administrative	Philosophical or Group Thinking
Boillin, Mary L.	Determination of the Inter-relations, Partial and Multiple, Between Various Anthropometric Measurements of College Women. Columbia University. Pp. 63.	Ph.D. in Health and Physical Education in T. C., 1930	Methods in Testing and Research	Statistical Causal Analysis and Prediction
Bookwalter, Carolyn W.	A Study of the Relationship Between Stability and Physical Ability of Elementary School Children. Indiana University. Pp. 121.	Ed.D. in Education, 1940	Scientific and Cultural Basis	Statistical Relationship and Comparative
Bookwalter, Karl W.	A Critical Evaluation of the Application of Some of the Existing Means of Classifying Boys for Physical Education Activities with a View to the Determination of an Administratively Plausible Procedure Which Shall Produce More Homogeneous Classification. New York University. Pp. 281.	Ed.D. in Education, 1939	Methods in Testing and Research	Collaboration and Integration
Boone, Elwood	A Study of the Relationship Between Recreational Interest, Intelligence, Scholastic Achievement, Personality, and Vocational Interest. University of Michigan. Pp. 187.	Ph.D. in Education, 1945	Scientific and Cultural Basis	Statistical Relationship and Comparative
Bower, Philip A.	The Relation of Physical, Mental, and Personality Factors to Popularity in Adolescent Boys. University of California. Pp. 140.	Ph.D. in Education, 1941	Scientific and Cultural Basis	Statistical Relationship and Comparative
Boyle, Robert W.	Some observations on the Effects of Exercise on the Blood, Lymph, and Muscle in Its Relation to Muscle Soreness. University of Minnesota. Pp. 178.	Ph.D. in Physiology, 1936	Scientific and Cultural Basis	Experimental
Boynton, Bernice	The Physical Growth of Girls; A Study of the Rhythm of Physical Growth from Anthropometric Measurements on Girls Between Birth and Eighteen Years. The State University of Iowa. Pp. 105.	Ph.D. in Child Welfare, 1936	Scientific and Cultural Basis	Normative
Brainard, Albert F.	A Guide for Men Student Teachers of Physical Education in Secondary Schools. New York University. Pp. 432.	Ed.D. in Education, 1941	Programs	Collaboration and Integration
Breckler, Paul W.	The Organization of Study Material in Physical Education for Junior and Senior High School Boys. The State University of Iowa. Pp. 522.	Ph.D. in Physical Education, 1943	Programs	Collaboration and Integration
Brinley, Eldon D.	The Recreational Life of the Mormon People. New York University. Pp. 264.	Ed.D. in Education, 1943	Programs	Analytical Survey and Measurement

RESEARCH QUARTERLY

Name	Title	Degree and Date	Topical Emphasis	Research Method
Brock, John D.	A Study of Some Psychological Traits of Physical Education Students and Their Relation to Achievement. New York University. Pp. 95.	Ph.D. in Education, 1939	Professional Status and Relationships	Analytical Survey and Measurement
Brown, Hubert E.	A Study of Safety in New York City Elementary and Junior High Schools of New York City. New York University. Pp. 228.	Ph.D. in Education, 1940	Programs	Analytical Survey and Measurement
Byrd, Oliver E.	The Study and Measurement of Health Attitudes. Stanford University. Pp. 332.	Ed.D. in Physical Education, 1940	Methods in Testing and Research	Experimental
Burley, Lloyd R.	A Study of the Recreation Time of Physically Trained Men. The State University of Iowa. Pp. 29.	Ph.D. in Physical Education, 1940	Programs	Analytical Survey and Measurement
Burpee, Royal H.	Seven Quickly Administered Tests of Physical Capacity and Their Use in Detecting Physical Incapacity for Motor Activity in Men and Boys. New York: Bureau of Publications, Teachers College, Columbia University. Pp. 151.	Ph.D. in Educational Research, 1940	Methods in Testing and Research	Analytical Survey and Measurement
Burts, Mary F.	Factors Associated with Juvenile Delinquency. New York University. Pp. 75.	Ph.D. in Education, 1939	Scientific and Cultural Basis	Analytical Survey and Measurement
Buswell, Marian M.	A Manual of Girls' Physical Education for Small High Schools. New York University. Pp. 82.	Ed.D. in Education, 1943	Programs	Collaboration and Integration
Butler, Louis C.	The Evaluation of the Professional Preparation for Leadership in Physical Education in the Secondary Schools of New Mexico. New York University. Pp. 126.	Ed.D. in Education, 1943	Professional Status and Relationships	Normative
Buxton, Claude E.	The Application of Multiple Factorial Methods to the Study of Motor Ability. The State University of Iowa. Pp. 29.	Ph.D. in Psychology, 1938	Methods in Testing and Research	Factor Analysis
Cabot, Phillippe S. De. Q.	The Relationship Between Characteristics of Personality and Physique in Adolescents. Harvard University. Pp. 231.	Ph.D. in Philosophy and Psychology, 1936	Scientific and Cultural Basis	Statistical Relationship and Comparative
Cahn, L. Joseph	Contributions of Plato to Thought on Physical Education, Health, and Recreation. New York University. Pp. 357.	Ed.D. in Education, 1942	Aims and Objectives	Collaboration and Integration
Campbell, Laurie E.	The Administration of the Physical Education Activity Area in Professional Physical Education. New York University. Pp. 152.	Ed.D. in Education, 1943	Professional Status Training, and Relationships	Analytical Survey and Measurement
Carleton, Blondel H.	Studies in the Metabolism and Excitability of Muscle. University of Rochester. Pp. 175.	Ph.D. in Physiology, 1935	Scientific and Cultural Basis	Experimental
Carpenter, Aileen	A Critical Study of the Factors Determining Effective Strength Tests for College Women. The State University of Iowa. Pp. 32.	Ph.D. in Physical Education, 1939	Methods in Testing and Research	Factor Analysis
Carr, Martha G.	The Relationship Between Success in Physical Education and Selected Attitudes Expressed by High School Freshman Girls. Indiana University. Pp. 127.	Ed.D. in Education, 1944	Scientific and Cultural Basis	Statistical Relationship and Comparative

DOCTORATE THESES OF GRADUATE DEPARTMENTS

Name	Title	Degree and Date	Topical Emphasis	Research Method
Cassidy, Rosalind F.	A Plan to Serve as a Guide in the Reorganization of the Physical Education Program for Students at Mills College, Oakland, California. Columbia University. Pp. 303.	Ed.D. in Education, 1937	Aims and Objectives	Philosophical or Group Thinking
Cavins, Harold M.	The Rise of the National Voluntary Health Agency in the United States. Stanford University. Pp. 282.	Ed.D. in Physical Education, 1941	Professional Status and Relationships	Collaboration and Integration
Chang, Fletcher Yung	State Organization and Administration of Health and Physical Education; an Analytical Study of the Program of Health and Physical Education with Special Reference to Fifteen State Departments of Education. Columbia University. Pp. 253.	Ph.D. in Educational Research, 1932	Administrative	Analytical Survey and Measurement
Chang, Hwei Lan	A Colligation of Facts and Principles Basic to Sound Curriculum Construction for Physical Education in China. The State University of Iowa. Pp. 99.	Ph.D. in Physical Education, 1944	Programs	Collaboration and Integration
Chin, Shuyung	Relationship Between Certain High School Subjects and the Out-of-School Activity of the Students. Columbia University. Pp. 99.	Ph.D. in Health and Physical Education in T.C., 1934	Programs	Statistical Relationship and Comparative
Christianson, Helen	Bodily Rhythmic Movements of Young Children in Relation to Rhythm in Music. Columbia University. Pp. 196.	Ph.D. in Health and Physical Education in T.C., 1939	Scientific and Cultural Basis	Statistical Relationship and Comparative
Clarke, H. Harrison	The Application of Measurement to Physical Education Programs in Secondary Schools. Syracuse University. Pp. 331.	Ed.D. in Education, 1940	Administrative	Collaboration and Integration
Cobb, Louise S.	The Functions of Physical Education in Higher Education. New York: Bureau of Publications, Teachers College, Columbia University. Pp. 192.	Ph.D. in Educational Research, 1943	Professional Status and Relationships	Philosophical or Group Thinking
Cockrell, Dora L.	The Relative Value of Selective Play Material for Pre-School Children: A Study of Play of Pre-School Age by an Unobserved Observer. Yale University. Pp. 157.	Ph.D. in Education, 1933	Programs	Analytical Survey and Measurement
Coffey, J. Russel	A Study of Safety Education Programs of Selected Public High Schools of Ohio. New York University. Pp. 169.	Ed.D. in Education, 1944	Programs	Analytical Survey and Measurement
Cole, Florence B.	The Presentation of a Games Manual for the Rural Elementary Schools of the Southern Appalachian Mountain Section. New York University. Pp. 179.	Ed.D. in Education, 1944	Programs	Collaboration and Integration
Collier, Dorothy	A Psychological Analysis of the Leisure-Time Activities of Some Individuals of Normal and Some of Pre-Psychotic Personality. New York University. Pp. 133.	Ph.D. in Education, 1936	Programs	Analytical Survey and Measurement
Cooper, Bernice I.	The Establishment of General Motor Capacity Tests for High School Girls. The State University of Iowa. Pp. 41.	Ph.D. in Physical Education, 1941	Methods in Testing and Research	Statistical Relationship and Comparative
Cooper, John A.	The Effect of Participation in Athletics upon Scholarship Measured by Achievement Tests. The Pennsylvania State College. Pp. 120.	Ed.D. in Education and Psychology, 1932	Scientific and Cultural Basis	Statistical Relationship and Comparative

RESEARCH QUARTERLY

Name	Title	Degree and Date	Topical Emphasis	Research Method
Coopa, Helen L.	High School Standards in Girls' Athletics in the State of Ohio. Columbia University. Pp. 91.	Ph.D. in Health and Physical Education in T.C., 1933	Administrative	Normative
Copp, Harold	The Effect of a Course in Training and Relaxation on the Progress of Acquisition of Motor Skill. University of Michigan. Pp. 163.	Ph.D. in Education, 1940	Methods in Teaching and Guidance	Experimental
Corbin, Hyman D.	A Comparative Study of Public Recreation in Cities of 300,000 Population and Over with Special Emphasis on New York City. New York University. Pp. 174.	Ph.D. in Education, 1946	Programs	Broad Survey
Cotteral, Bonnie	Principles of Procedures for Guiding Growth in Experiences Involving Physical Education. Columbia University. Pp. 287.	Ed.D. in Health and Physical Education, 1944	Methods in Teaching and Guidance	Collaboration and Integration
Cotteral, Donnie	In Quest of Full Stature as an American Youth. Columbia University. Pp. 279.	Ed.D. in Health and Physical Education, 1945	Aims and Objectives	Philosophical or Group Thinking
Cottrell, Elmer B.	Standards for Selection of Persons to be Trained for Placement in Health and Physical Education. The University of Pittsburgh. Pp. 211.	Ed.D. in Physical Education, 1936	Professional Status and Relationships	Normative
Cottrell, Helene L.	Principles and Methods for Organizing School Programs in Safety Education. New York University. Pp. 540.	Ed.D. in Education, 1942	Aims and Objectives	Broad Survey
Cowell, Charles C.	A Study of Differentials in Junior High School Boys Based on the Observation of Physical Education Activities. New York University. Pp. 164.	Ph.D. in Physical Education and Health, 1935	Scientific and Cultural Basis	Analytical Survey and Measurement
Craine, Henry C.	Methods of Teaching Athletic Skills with Particular Reference to Boys of Junior High School Age. New York University. Pp. 253.	Ed.D. in Education, 1941	Methods in Teaching and Guidance	Analytical Survey and Measurement
Crapser, A. Lester	The Establishment of National Physical Achievement Standards in Certain Physical Education Events for Boys. New York University. Pp. 281.	Ph.D. in Education, 1933	Methods in Testing and Research	Analytical Survey and Measurement
Crissy, William J. E.	Physical Indices of Pubescence and Their Relation to Measured Aspects of Personal and Social Adjustment. The University of North Carolina. Pp. 171.	Ph.D. in Physical Education, 1942	Scientific and Cultural Basis	Statistical Relationship and Comparative
Cross, Hildreth M.	The Motor Capacities of Stutterers. The State University of Iowa. Pp. 66.	Ph.D. in Speech Pathology, 1934	Scientific and Cultural Basis	Experimental
Cunningham, Glen V.	The Relation of Selected Cardiovascular and Strength Measures to Physical Fitness. New York University. Pp. 65.	Ph.D. in Physical Education and Health, 1939	Scientific and Cultural Basis	Statistical Relationship and Comparative
Cureton, Thomas K., Jr.	Standards for Testing Beginning Swimming. Columbia University. Pp. 190.	Ph.D. in Educational Research in T.C., 1939	Methods in Testing and Research	Statistical Causal Analysis and Prediction
Curtis, Lera B.	The Critical Evaluation of the Physical Education Program in the Rural Schools of Michigan. New York University. Pp. 190.	Ph.D. in Physical Education and Health, 1938	Administrative	Analytical Survey and Measurement

DOCTORATE THESES OF GRADUATE DEPARTMENTS

Name	Title	Degree and Date	Topical Emphasis	Research Method
Dambach, John	Physical Education in Germany. New York: Bureau of Publications, Teachers College, Columbia University. Pp. 116.	Ph.D. in Educational Research, 1937	Programs	Collaboration and Integration
Danford, Howard G.	The Organization and Administration of a Program of Public School Safety Education. New York University. Pp. 575.	Ed.D. in Physical Education and Health, 1943	Programs	Collaboration and Integration
Daniels, Arthur S.	Guide to Physical Training and Athletics (Army Air Force Technical Training Command). Columbia University. Pp. 159.	Ed.D. in Health and Physical Education, 1942	Programs	Collaboration and Integration
Daniels, Dorothea A.	Organization and Administration of a Two-and-a-Half-Year Nursing Curriculum; Analysis of the Present Nursing Courses at the Beth Israel Hospital School of Nursing. New York University. Pp. 234.	Ed.D. in Physical Education and Health, 1945	Programs	Collaboration and Integration
Davis, Elwood C.	Methods and Techniques Used in Surveying Health and Physical Education in City Schools. New York: Bureau of Publications, Columbia University. Pp. 162.	Ph.D. in Educational Research, 1932	Methods in Testing and Research	Analytical Survey and Measurement
Davis, George E.	The Prevalence of Hobbies and Their Educational Significance. The State University of Iowa. Pp. 511.	Ph.D. in Education, 1937	Programs	Analytical Survey and Measurement
De Girolamo, Harry J.	A Study of the Present Status of the Health and Physical Education Program in the Junior Colleges. New York University. Pp. 174.	Ed.D. in Physical Education and Health, 1945	Administrative	Broad Survey
De Groot, Dudley S.	A History of Physical Education in California (1848-1939). Stanford University. Pp. 623.	Ed.D. in Physical Education, 1940	Professional Status and Relationships	Collaboration and Integration
D'Eliscu, Francois	A Manual in the Organization and Conduct of a Conditioning Program for Physical and Military Fitness and for Combat Training. New York University. Pp. 215.	Ed.D. in Physical Education and Health, 1944	Programs	Collaboration and Integration
Dennis, Edith L.	The Genesis and Development of the American Red Cross and Water Safety Service. New York University. Pp. 268.	Ph.D. in Education, 1943	Programs	Historical, Bibliographical, and Biographical
Derryberry, Carley M.	Social and Economic Factors Associated with Health Protection for the Pre-School Child. New York University. Pp. 141.	Ph.D. in Education, 1933	Scientific and Cultural Basis	Statistical Relationship and Comparative
Desgrey, Arthur H.	A Safety Manual for Campers. New York University. Pp. 181.	Ed.D. in Education, 1945	Programs	Broad Survey
Di Giovanna, Vincent G.	The Relation of Selected Structural and Functional Measures to Success in College Athletics. New York University. Pp. 175.	Ph.D. in Physical Education and Health, 1942	Scientific and Cultural Basis	Statistical Causal Analysis and Prediction
Dixon, Maloise	Physical Education in the Elementary Curricula of the Pennsylvania State Teachers Colleges. The Pennsylvania State College. Pp. 356.	Ed.D. in Physical Education and Health, 1945	Programs	Analytical Survey and Measurement
Djorop, Harold E.	The Effect of Two Methods in Physical Education on Personality Adjustment. New York University. Pp. 118.	Ph.D. in Education, 1943	Scientific and Cultural Basis	Experimental

RESEARCH QUARTERLY

Name	Title	Degree and Date	Topical Emphasis	Research Method
Dome, Arthur E.	Objectives of Physical Education in the Young Men's Christian Association. New York University. Pp. 234.	Ed.D. in Education, 1937	Aims and Objectives	Broad Survey
Donn, Henry F.	The Content for a Course of Study in Personal Hygiene for the First-Year Boys of the Weequabic Public High School. New York University. Pp. 239.	Ed.D. in Education, 1943	Programs	Analytical Survey and Measurement
Dorgan, Ethel J.	Luther Halsey Gulick, 1865-1918. New York: Bureau of Publications, Teachers College, Columbia University. Pp. 180.	Ph.D. in Educational Research, 1934	Professional Status and Relationships	Historical, Bibliographical, and Biographical
Doyle, Sister Mary P.	A Study of Play Selection in Women's Colleges. Columbia University. Pp. 75.	Ph.D. in Health and Physical Education in T.C., 1935	Programs	Analytical Survey and Measurement
Dreiser, M. Vera	A Study of Health, Physical Education, and Recreation Programs for Women in Municipally Owned Colleges and Universities in the United States of America. New York University. Pp. 97.	Ed.D. in Education, 1944	Programs	Analytical Survey and Measurement
Dresser, Henry O.	A Manual for Golf Instruction. New York University. Pp. 120.	Ed.D. in Education, 1937	Programs	Collaboration and Integration
Drew, A. Gwendolyn	A Historical Study of the Concern of the Federal Government for the Physical Fitness of Non-Age Youth with References to the Schools, 1790-1941. The University of Pittsburgh. Pp. 168.	Ph.D. in Education, 1944	Administrative	Historical, Bibliographical, and Biographical
DuBois, Goddard	The Relationship Between the Posterior View Contour of the Human Body and the Bilateral Alignment of Its Skeletal Framework. New York University. Pp. 135.	Ph.D. in Education, 1940	Scientific and Cultural Basis	Statistical Relationship and Comparative
Duggan, Anne S.	A Comparative Study of Undergraduate Women Majors and Non-Majors in Physical Education with Respect to Certain Personal Traits. New York: Bureau of Publications, Teachers College, Columbia University. Pp. 117.	Ph.D. in Educational Research, 1936	Scientific and Cultural Basis	Statistical Relationship and Comparative
Dulles, Foster R.	America Learns to Play: A History of Popular Recreation. Columbia University. Pp. 441. (Also published in book form by D. Appleton-Century-Crofts, 1940.)	Ph.D. in Sociology, 1940	Programs	Historical, Bibliographical, and Biographical
Dunlap, Sarah C.	The Effect of Voluntary Activity on the Knee-Jerk. The John Hopkins University. Pp. 101.	Ph.D. in Psychology, 1934	Scientific and Cultural Basis	Experimental
Duvall, Ellen N.	The Relation of Rotation to Lateral Deviation in the Spinal Column in the Human Being. New York University. Pp. 114.	Ph.D. in Education, 1944	Scientific and Cultural Basis	Statistical Relationship and Comparative
Eastwood, Floyd R.	Safety in College Physical Education. New York University. Pp. 605.	Ph.D. in Education, 1936	Programs	Broad Survey
Eberhardt, Charles J.	The Relation of Certain Measurements to Ability in an Athletic Sport Involving Sustained Physical Effort. New York University. Pp. 159.	Ph.D. in Education, 1943	Scientific and Cultural Basis	Statistical Causal Analysis and Prediction

DOCTORATE THESES OF GRADUATE DEPARTMENTS

Name	Title	Degree and Date	Topical Emphasis	Research Method
Edgerton, Avis E.	Health Claims in Advertising with Special Reference to Certain Women Consumers' Beliefs. New York University. Pp. 161.	Ph.D. in Physical Education and Health, 1938	Programs	Analytical Survey and Measurement
Edgren, Harry D.	An Orientation in Recreation for Secondary School Youth. New York University. Pp. 104.	Ed.D. in Education, 1944	Professional Status and Relationships	Analytical Survey and Measurement
Edwards, Seth J.	An Educational Program of Physical Education for Schools and Colleges of the United Provinces, Agra and Oudh, India. New York University. Pp. 203.	Ph.D. in Education, 1931	Programs	Collaboration and Integration
Ehrlich, Gerald	The Relation Between the Learning of a Motor Skill and Measures of Strength, Motor Ability, Motor Educability, and Motor Capacity. New York University. Pp. 155.	Ph.D. in Education, 1942	Methods in Teaching and Guidance	Statistical Relationship and Comparative
Eigler, Pauline O.	The Effect of Unusual Stimulation on Motor Coordination in Children. The Johns Hopkins University. Pp. 136.	Ph.D. in Education, 1932	Scientific and Cultural Basis	Experimental
Elbel, Edwin R.	A Study of Response Time Before and After Strenuous Exercise. The State University of Iowa. Pp. 87.	Ph.D. in Physical Education, 1938	Scientific and Cultural Basis	Experimental
Elmott, Charlotte D.	The Development of a Mental Hygiene Program in the Santa Barbara City Schools. Stanford University. Pp. 253.	Ed.D. in Physical Education, 1944	Methods in Teaching and Guidance	Experimental
Espenschade, Anna S.	A Study of Motor Performance in Adolescence. University of California. Pp. 346.	Ph.D. in Psychology, 1939	Scientific and Cultural Basis	Experimental
Esslinger, Arthur A.	A Philosophical Study of Principles for Selecting Activities in Physical Education. The State University of Iowa. Pp. 148.	Ph.D. in Physical Education, 1938	Programs	Philosophical or Group Thinking
Estabrooks, Edward C.	Safety and Health Instruction and Practices in School Shops. The Pennsylvania State College. Pp. 221.	Ed.D. in Industrial Education, 1939	Programs	Collaboration and Integration
Ferguson, Ernest V. Jr.	Governmental Participation in Recreation in Response to the War Emergency. New York University. Pp. 191.	Ed.D. in Education, 1945	Programs	Analytical Survey and Measurement
Ferguson, Thomas C.	The Improvement of the Physical Education Program in the County Schools of Maryland. The George Washington University. Pp. 364.	Ed.D. in Education, 1941	Programs	Collaboration and Integration
Flack, Howard W.	Totalitarianism and Physical Education. George Peabody College for Teachers. Pp. 233.	Ph.D. in Physical Education, 1941	Scientific and Cultural Basis	Philosophical or Group Thinking
Fouracre, Maurice H.	The Relationship Between the Advent of Menstruation and the Degree of Physical Development in Adolescent Girls. University of Michigan. Pp. 139.	Ph.D. in Education, 1942	Scientific and Cultural Basis	Statistical Relationship and Comparative
Fox, John F. Jr.	Leisure-Time Interests and Activities of the School Children of Millburn Township, New Jersey. New York University. Pp. 668.	Ph.D. in Education, 1936	Programs	Analytical Survey and Measurement
Fraley, Lester M.	A Comparison of the General Athletic Ability of White and Negro Men of College Age. George Peabody College for Teachers. Pp. 151.	Ph.D. in Physical Education, 1940	Scientific and Cultural Basis	Statistical Relationship and Comparative

RESEARCH QUARTERLY

Name	Title	Degree and Date	Topical Emphasis	Research Method
Frankel, Ruth R.	The Evaluation of a Program of Dental Health Education by Correction Achieved. New York University. Pp. 190.	Ph.D. in Education, 1940	Administrative	Philosophical or Group Thinking
Frederick, Pauline M.	A Study of the Requirements for the Master's Degree for Women Students Majoring in Physical Education at Teachers College, Columbia University. Pp. 169.	Ed.D. in Health and Physical Education, 1938	Professional Status and Relationships	Philosophical or Group Thinking
Fredericks, J. Wynn	Gaps, Overlappings, and Other Weaknesses in Undergraduate Professional Training in Physical Education as Experienced in Practical Situations. The Pennsylvania State College. Pp. 194.	Ed.D. in Physical Education, 1940	Professional Status and Relationships	Analytical Survey and Measurement
French, Esther L.	The Construction of Knowledge Tests in Selected Courses in Physical Education. The State University of Iowa. Pp. 30.	Ph.D. in Physical Education, 1942	Methods in Testing and Research	Inventive
Fry, Vera	Cost Analysis of Student Field Experience in Public Health Nursing. New York University. Pp. 58.	Ed.D. in Education, 1946	Administrative	Analytical Survey and Measurement
Fryer, Lorine P.	Women and Leisure, A Study of Social Waste. Columbia University. Pp. 141.	Ph.D. in Health and Physical Education, 1942	Programs	Philosophical or Group Thinking
Gabrielsen, Milton A.	Changes in Acid Concentration of the Gastric Content of Man Upon Exposure to Certain Controlled Temperature Conditions. New York University. Pp. 71.	Ph.D. in Education, 1946	Scientific and Cultural Basis	Experimental
Galligan, Glendon E.	A Critical Analysis of Certain Current Practices in Athletics for Men in State Teachers Colleges. New York University. Pp. 285.	Ed.D. in Education, 1937	Administrative	Analytical Survey and Measurement
Geisel, Horace	An Analysis of Health Needs as a Basis for the Reorganization of the Health Program of the Johns Hopkins High School. The Pennsylvania State College. Pp. 88.	Ed.D. in Education, 1943	Programs	Analytical Survey and Measurement
Gerrish, Paul H.	A Dynamic Analysis of the Standing Vertical Jump. Columbia University. Pp. 31.	Ph.D. in Health and Physical Education, 1934	Scientific and Cultural Basis	Experimental
Glascock, David A.	The Status of Health and Physical Education in the High Schools of Indiana. Indiana University. Pp. 337.	Ed.D. in Education, 1937	Administrative	Broad Survey
Gloss, George M.	The Formulation of an Improved Recreational Program for the Industrial City of Bayonne, New Jersey. Columbia University. Pp. 135.	Ed.D. in Health and Physical Education in T.C., 1937	Programs	Philosophical or Group Thinking
Goss, George E.	The Development of Organized Physical Education in the Philippine Islands. New York University. Pp. 170.	Ph.D. in Education, 1932	Programs	Analytical Survey and Measurement
Gowen, G. Howard	Analysis and Appraisal of Public Health Department of La Salle, Peru and Oglesby. University of Illinois. Pp. 52.	Ph.D. in Bacteriology, 1937	Administrative	Analytical Survey and Measurement
Gray, Miriam M.	Windows to Physical Education. Columbia University. Pp. 211.	Ed.D. in Health and Physical Education, 1943	Programs	Philosophical or Group Thinking

DOCTORATE THESES OF GRADUATE DEPARTMENTS

Name	Title	Degree and Date	Topical Emphasis	Research Method
Graybeal, Elizabeth	The Measurement of Outcomes of Physical Education for College Women. University of Minnesota. Pp. 80.	Ph.D. in Education, 1934	Scientific and Cultural Basis	Statistical Relationship and Comparative
Grimshaw, William M.	The Administration of Day Camps in the United States. New York University. Pp. 167.	Ed.D. in Education, 1941	Administrative	Broad Survey
Guiot, Germaine C.	Supervising Student Teaching in Physical Education. New York University. Pp. 143.	Ed.D. in Education, 1941	Administrative	Analytical Survey and Measurement
Gutteridge, Mary V.	A Study of Motor Achievement of Young Children. Columbia University. Pp. 178.	Ph.D. in Health and Physical Education in T.C., 1940	Scientific and Cultural Basis	Analytical Survey and Measurement
Haar, Franklin	Degrees of Interest Expressed by High School Boys in Health Subject Matter. The University of Pittsburgh. Pp. 131.	Ph.D. in Education, 1946	Programs	Analytical Survey and Measurement
Haggerty, Helen R.	Certain Factors in the Professional Education of Women Teachers of Physical Education. New York: Bureau of Publications, Teachers College, Columbia University. Pp. 87.	Ph.D. in Educational Research, 1938	Professional Status and Relationships	Collaboration and Integration
Hagman, Ellen P.	The New York State War Council Program of Physical Fitness for Girls and Women. Columbia University. Pp. 138.	Ed.D. in Health and Physical Education, 1943	Programs	Collaboration and Integration
Haight, Edith C.	Individual Differences in Motor Adaptations to Rhythmic Stimuli. New York University. Pp. 152.	Ph.D. in Education, 1944	Scientific and Cultural Basis	Experimental
Hall, Marguerite F.	Description and Prediction of Physical Development in School Boys. University of Michigan. Pp. 245.	Ph.D. in Education, 1934	Methods in Testing and Research	Statistical Causal Analysis and Prediction
Halsey, Elizabeth	The Development of Public Recreation in the Metropolitan Area of Chicago. University of Michigan. Pp. 489.	Ph.D. in Education, 1939	Programs	Historical, Bibliographical, and Biographical
Hardy, Elvin R.	A Further Validity of the Pulse-Ratio Test as a Measurement of Physical Efficiency and Endurance. The State University of Iowa. Pp. 39.	Ph.D. in Physical Education, 1937	Methods in Testing and Research	Experimental
Harmon, John M.	Methods of Procedure in the City Comprehensive School Health and Physical Education Survey. Indiana University. Pp. 197.	Ed.D. in Education, 1932	Methods in Testing and Research	Analytical Survey and Measurement
Harnett, Arthur L.	A Plan for Further Development of the Columbia College Program for Navy V-12 Physical Training. Columbia University. Pp. 137.	Ed.D. in Health and Physical Education, 1944	Programs	Philosophical or Group Thinking
Harrison, Ellwood R.	Personal Tempo and the Interrelationships of Voluntary and Maximal Rates of Movement. The Johns Hopkins University. Pp. 70.	Ph.D. in Psychology, 1938	Scientific and Cultural Basis	Experimental
Hart, Charles J.	Guides for the Construction of a Curriculum for Training Men Majoring in Physical Education. New York University. Pp. 347.	Ed.D. in Education, 1945	Professional Status and Relationships	Analytical Survey and Measurement
Hatlestad, S. L.	The Determination and Measurement of Body Build in College Women. The State University of Iowa. Pp. 59.	Ph.D. in Physical Education, 1940	Methods in Testing and Research	Normative

RESEARCH QUARTERLY

Name	Title	Degree and Date	Topical Emphasis	Research Method
Hawkins, Charles C.	The Effects of Conditioning and Training Upon the Differential White Cell Count. New York University.	Ph.D. in Education, 1937	Scientific and Cultural Basis	Experimental
Heaton, Kenneth L.	A Study of the Recreational Life of High School Students. University of Chicago. Pp. 285.	Ph.D. in Divinity, 1931	Programs	Analytical Survey and Measurement
Henley, Eugene H.	Factors Related to Muscular Tension. Columbia University. Pp. 44.	Ph.D. in Health and Physical Education in T.C., 1936	Scientific and Cultural Basis	Experimental
Hepp, Frank	Unitary Factors in Character. The State University of Iowa. Pp. 55.	Ph.D. in Physical Education, 1937	Scientific and Cultural Basis	Factor Analysis
Hewitt, Jack E.	An Analysis of Graduate Offerings Leading to the Master's and Doctor's Degrees in Physical Education Institutions of Higher Learning of the United States. University of Oregon. Pp. 189.	Ed.D. in Education, 1943	Professional Status and Relationships	Broad Survey
Hindman, Darwin A.	An Approach to the Construction of a Teacher-Training Curriculum in Physical Education. The Ohio State University. Pp. 297.	Ph.D. in Physical Education, 1935	Professional Status and Relationships	Collaboration and Integration
Hoffer, Joe R.	An Activity Analysis of the Duties of Recreation and Informal Education Leaders and Supervisors. The Ohio State University. Pp. 90.	Ph.D. in Social Administration, 1942	Administrative	Analytical Survey and Measurement
Hoffman, Frances P.	A Study of Street Accidents Occurring to Children 16 Years of Age and Under in Manhattan Borough of New York City. New York University. Pp. 56.	Ph.D. in Education, 1944	Programs	Analytical Survey and Measurement
Holliman, Jennie	American Sports (1785-1835). Columbia University. Pp. 222.	Ph.D. in Health and Physical Education, 1931	Programs	Historical, Bibliographical, and Biographical
Horton, Clifford E.	A Study of Physical Sex Differences and Motor Performance Differences of Central Illinois Boys and Girls. Indiana University. Pp. 208.	Ed.D. in Education, 1942	Scientific and Cultural Basis	Statistical Relationship and Comparative
House, Howard H.	A Study of the Standing High Kick as a Test of Motor Ability. New York University. Pp. 109.	Ph.D. in Education, 1936	Scientific and Cultural Basis	Statistical Relationship and Comparative
Howard, Glenn W.	A Measurement of the Achievement in Motor Skills of College Men in the Game Situation of Basketball. New York: Bureau of Publications, Teachers College, Columbia University. Pp. 109.	Ph.D. in Educational Research, 1937	Methods in Testing and Research	Experimental
Howland, Amy R.	The Establishment of National Achievement Standards for Girls in Specific Physical Education Activities. New York University. Pp. 237.	Ph.D. in Education, 1936	Administrative	Broad Survey
Hoyman, Howard S.	Health Guide for Oregon Teachers (Grades 7-12). Columbia University. Pp. 429.	Ed.D. in Health and Physical Education, 1945	Programs	Collaboration and Integration
Hughes, Wayne P.	Safety Procedures in the School Shop. New York University. Pp. 396.	Ed.D. in Education, 1943	Methods in Teaching and Guidance	Analytical Survey and Measurement

DOCTORATE THESES OF GRADUATE DEPARTMENTS

Name	Title	Degree and Date	Topical Emphasis	Research Method
Hughes, William L.	The Administration of Health and Physical Education for Men in Colleges and Universities. New York: Bureau of Publications, Teachers College, Columbia University. Pp. 183.	Ph.D. in Educational Research, 1932	Administrative	Broad Survey
Humiston, Dorothy	A Measurement of Motor Ability in Women. New York University. Pp. 101.	Ph.D. in Education, 1936	Methods in Testing and Research	Inventive
Hursh, John B.	Studies in the Energy Relations of Muscle. University of Rochester. Pp. 91.	Ph.D. in Physiology, 1936	Methods in Testing and Research	Experimental
Hussey, Marguerite M.	Principles and Methods of Teaching Health. New York University. Pp. 173.	Ph.D. in Education, 1931	Methods in Testing and Research	Collaboration and Integration
Hutto, Louis E.	Measurement of the Velocity Factor and of Athletic Power in High School Boys. Columbia University. Ann Arbor, Mich.: Ann Arbor Press. Pp. 29.	Ph.D. in Educational Research, 1933	Methods in Testing and Research	Factor Analysis
Ierardi, Thomas G.	The Development of a Health Guidance Blank for College Men. New York University. Pp. 93.	Ed.D. in Education, 1940	Methods in Teaching and Guidance	Inventive
Irwin, Leslie W.	A Study of the Relationship of Dominance to the Performance of Physical Education Activities. The State University of Iowa. Pp. 115.	Ph.D. in Physical Education, 1937	Scientific and Cultural Basis	Statistical Relationship and Comparative
Irvine, Dorothy L.	An Analysis of the Effectiveness of Proceedings for the Correlation of Longitudinal Arch Deviation as Indicated by Weight-Bearing Pressure Areas. New York University. Pp. 109.	Ph.D. in Education, 1942	Scientific and Cultural Basis	Experimental
Jack, Harold K.	An Analysis of the Physical Education Programs of the Minnesota Secondary Schools. New York University. Pp. 26.	Ph.D. in Education, 1944	Programs	Analytical Survey and Measurement
Jackson, Chester O.	An Evaluation of Health Practices in Interscholastic Athletics for Boys in Illinois. New York University. Pp. 170.	Ed.D. in Education, 1944	Administrative	Collaboration and Integration
Jameson, Emily D.	Physical Education for the Preparation of General Elementary School Teachers; A Study of Content and Requirements of Courses of Physical Education Offered in Twenty-Two State Teachers' Colleges and Normal Schools. New York: Bureau of Publications, Teachers College, Columbia University. Pp. 118.	Ph.D. in Educational Research, 1930	Professional Status and Relationships	Analytical Survey and Measurement
Jenkins, Lulu M.	A Comparative Study of Achievements of Children of Five, Six, Seven Years of Age. Columbia University. Pp. 54.	Ph.D. in Health and Physical Education in T.C., 1930	Scientific and Cultural Basis	Normative
Johns, Edward B.	The Measurement of Health Practices. Stanford University. Pp. 239.	Ed.D. in Education, 1943	Methods in Testing and Research	Analytical Survey and Measurement
Johnson, Wilton D.	The Organization and Operation of the Oklahoma High School Athletic Association. The University of Oklahoma. Pp. 246.	Ed.D. in School Administration, 1943	Administrative	Analytical Survey and Measurement
Jones, Galen	Extracurricular Activities in Relation to the Curriculum. Columbia University. Pp. 99.	Ph.D. in Health and Physical Education in T.C., 1935	Programs	Analytical Survey and Measurement

RESEARCH QUARTERLY

Name	Title	Degree and Date	Topical Emphasis	Research Method
Jones, Hiram A.	The Administration of Health and Physical Education in New York State. New York: Bureau of Publications, Teachers College, Columbia University. Pp. 155.	Ph.D. in Educational Research, 1934	Administrative	Collaboration and Integration
Jones, Lloyd M.	A Factorial Analysis of Ability in Fundamental Motor Skills. New York: Bureau of Publications, Teachers College, Columbia University. Pp. 100.	Ph.D. in Educational Research, 1935	Scientific and Cultural Basis	Factor Analysis
Jones, Mrs. Theresa D.	The Development of Certain Motor Skills and Play Activities in Young Children: A Genetic Study of the Motor Development of Pre-school Children as Revealed by Their Use of Wheel Play Materials. Columbia University. Pp. 180.	Ph.D. in Health and Physical Education in T.C., 1940	Programs	Analytical Survey and Measurement
Jorgensen, Nephi M.	The Determination and Measurement of Body Build in College Men. The State University of Iowa. Pp. 62.	Ph.D. in Physical Education, 1939	Methods in Testing and Research	Normative
Kamm, Alfred	A Manual for Active Therapy for Mental Hospitals. New York University. Pp. 254.	Ed.D. in Physical Education and Health, 1944	Programs	Collaboration and Integration
Katzell, Raymond A.	Relations Between the Activity of Muscles During Preparatory Set and Subsequent Overt Performance. New York University. Pp. 94.	Ph.D. in N.Y.U. Graduate School, 1943	Scientific and Cultural Basis	Experimental
Kebric, Burt M.	Problems of Beginning Teachers of Physical Education in the High Schools of California. Stanford University. Pp. 86.	Ed.D. in Physical Education, 1945	Professional Status and Relationships	Collaboration and Integration
Keller, Louis F.	The Relation of Quickness of Bodily Movement to Success in Athletics. New York University. Pp. 100.	Ph.D. in Education, 1941	Scientific and Cultural Basis	Statistical Relationship and Comparative
Kelley, Cecelia E.	The Integrated Post-Exercise Pulse-Product as a Measure of Physical Fitness. Stanford University. Pp. 154.	Ed.D. in Education, 1939	Methods in Testing and Research	Experimental
Kelly, Alma C.	Reduction of Energy Expenditure in the Standing Position. New York University. Pp. 142.	Ph.D. in Education, 1941	Scientific and Cultural Basis	Experimental
Keyes, Ruth F.	An Appreciation of the Necessary Balance Between Physical and Mental Elements in Secondary and Collegiate Education. Boston College. Pp. 133.	Ph.D. in Education, 1932	Scientific and Cultural Basis	Philosophical or Group Thinking
Kiracofe, Edgar S.	An Historical Study of Athletics and Physical Education in the Standard Four-Year Colleges of Virginia. University of Virginia. Pp. 337.	Ph.D. in Education, 1932	Programs	Historical, Bibliographical, and Biographical
Kirk, Bertha M.	The Critical Evaluation of Present Practices in the Women's Athletic Associations in the United States. New York University. Pp. 97.	Ed.D. in Education, 1936	Programs	Broad Survey
Kirkpatrick, James B.	Physical Fitness. A Textbook of Physical Education for Schools and Clubs. Columbia University. Pp. 310.	Ed.D. in Health and Physical Education, 1943	Programs	Collaboration and Integration
Kistler, Joy W.	The Homogenous Grouping of Junior and Senior High School Boys for Physical Education Class Activities. The State University of Iowa. Pp. 62.	Ph.D. in Physical Education, 1935	Methods in Testing and Research	Statistical Relationship and Comparative

DOCTORATE THESES OF GRADUATE DEPARTMENTS

Name	Title	Degree and Date	Topical Emphasis	Research Method
Knott, Virginia B.	Physical Measurement of Young Children: A Study of Anthropometric Reliabilities for Children Three to Six Years of Age. The State University of Iowa. Pp. 145.	Ph.D. in Child Welfare, 1938	Methods in Testing and Research	Analytical Survey and Measurement
Knox, Walter S.	The Uses of the Pulse-Ratio Test for Detecting Non-Compensated Heart Lesions. The State University of Iowa. Pp. 37.	Ph.D. in Physical Education, 1938	Methods in Testing and Research	Experimental
Kovar, Daniel R.	Student Attitudes Toward the Program of Social Recreation in Certain Schools in Western Pennsylvania. The University of Pittsburgh. Pp. 153.	Ph.D. in Physical Education, 1939	Programs	Analytical Survey and Measurement
Krakower, Hyman	The Relation of Physical Stature to Ability in the Running High Jump. New York University. Pp. 166.	Ph.D. in Education, 1934	Scientific and Cultural Basis	Statistical Causal Analysis and Prediction
Kuhl, Louise	A Study of the Learning Rate of College Women in Certain Physical Activities as Related to Their General Motor Ability. The State University of Iowa. Pp. 71.	Ph.D. in Physical Education, 1941	Methods in Teaching and Guidance	Statistical Relationship and Comparative
Kuleinski, Louis	The Relation of Intelligence to the Learning of Fundamental Muscular Skills. University of Michigan. Pp. 245.	Ph.D. in Education, 1943	Scientific and Cultural Basis	Statistical Relationship and Comparative
Kunde, Norman F.	Factors Associated with Selected Leadership for Playgrounds. New York University. Pp. 191.	Ed.D. in Education, 1946	Administrative	Analytical Survey and Measurement
Laitin, Yale J.	The Extracurricular Concomitants of Personality Adjustment and Socio-Economic Status Among High School Boys. New York University. Pp. 117.	Ph.D. in Education, 1944	Scientific and Cultural Basis	Analytical Survey and Measurement
Lambert, Eugene W.	A Suggested Plan to Serve as a Guide for the Health and Physical Education Department of the University of Arkansas. Columbia University. Pp. 188.	Ed.D. in Health and Physical Education, 1942	Administrative	Collaboration and Integration
Langer, Walter C.	The Dynamics of Sensori-Motor Learning, Retention and Transfer. Harvard University. Pp. 344.	Ph.D. in Philosophy and Psychology, 1935	Scientific and Cultural Basis	Philosophical or Group Thinking
Lapp, Vernon W.	A Study of the Achilles Reflex and Its Relationship to Voluntary Motor Response in Human Subjects. The State University of Iowa. Pp. 46.	Ph.D. in Physical Education, 1934	Scientific and Cultural Basis	Experimental
Larson, Leonard A.	A Study of the Validity of Some Cardiovascular Tests. New York University. Pp. 129.	Ph.D. in Education, 1938	Methods in Testing and Research	Factor Analysis
La Salle, Dorothy M.	Physical Education for Children: a Book for Teachers in Elementary Schools. Columbia University.	Ed.D. in Health and Physical Education, 1945	Programs	Collaboration and Integration
Lauritsen, William H.	Some Techniques for Measuring Achievement of Objectives of Physical Education. The Ohio State University. Pp. 294.	Ph.D. in Physical Education, 1939	Methods in Testing and Research	Analytical Survey and Measurement
Lawrence, Gladys C.	The History of Educational Uses of Some Leisure-Time Activities. New York University. Pp. 344.	Ed.D. in Education, 1937	Aims and Objectives	Historical, Bibliographical, and Biographical

RESEARCH QUARTERLY

Name	Title	Degree and Date	Topical Emphasis	Research Method
Lee, Mary A. M.	The Relation of the Knee Jerk and Standing Steadiness to Nervous Instability. University of Chicago. Pp. 49.	Ph.D. in Psychology, 1931	Scientific and Cultural Basis	Experimental
Lindsay, Edith	Origins and Development of the School Health Movement in the United States. Stanford University. Pp. 503.	Ed.D. in Physical Education, 1943	Professional Status and Relationships	Collaboration and Integration
Lloyd, Frank S.	A Study of Safety in Secondary School Physical Education. New York University. Pp. 251.	Ph.D. in Education, 1932	Programs	Analytical Survey and Measurement
Lockhart, Jeanne A.	The Value of the Motion Picture as an Instructional Device in Learning a Motor Skill. University of Wisconsin. Pp. 98.	Ph.D. in Education and Physical Education, 1942	Methods in Teaching and Guidance	Analytical Survey and Measurement
Long, E. Wilbur	A Survey of Pastimes and Hobbies of Secondary School Children. The University of Pittsburgh. Pp. 76.	Ph.D. in Education, 1940	Scientific and Cultural Basis	Analytical Survey and Measurement
Long, John A.	Motor Abilities of Deaf Children. Columbia University. Pp. 67.	Ph.D. in Health and Physical Education, 1932	Scientific and Cultural Basis	Normative
Lowrie, Kathleen H.	Factors That Relate to the Extra Curricular Performance of College Women. The State University of Iowa. Pp. 128.	Ph.D. in Physical Education, 1942	Programs	Analytical Survey and Measurement
Luehring, Frederick W.	Swimming Pool Standards. Columbia University. Pp. 273.	Ph.D. in Health and Physical Education in T.C., 1939	Administrative	Normative
Lynch, Theresa I.	Communicable Disease Nursing. New York University. Pp. 346.	Ed.D. in Education, 1940	Administrative	Analytical Survey and Measurement
Lyne, Everett	Cell Division in Relation to Excessive Fatigue. New York University. Pp. 162.	Ph.D. in Education, 1945	Scientific and Cultural Basis	Experimental
Lynn, Minnie L.	Major Emphases of Physical Education in the United States. The University of Pittsburgh. Pp. 238.	Ph.D. in Education, 1944	Aims and Objectives	Historical, Bibliographical, and Biographical
MacCurdy, H. Leigh	The Measurement of Physical Capacity of Secondary School Boys. Columbia University. Pp. 59.	Ph.D. in Health and Physical Education in T.C., 1932	Methods in Testing and Research	Statistical Relationship and Comparative
MacKinnon, Emily P.	A Plan for a Program of Physical Education for Penn Hall Junior College. Columbia University. Pp. 188.	Ed.D. in Health and Physical Education, 1943	Programs	Philosophical or Group Thinking
MacNeil, John P.	The Organization and Administration of Laboratory Experience in Teaching Physical Education. New York University. Pp. 160.	Ph.D. in Education, 1932	Programs	Collaboration and Integration
Manchester, Gertrude B.	The Woman High School Teacher of Physical Education in Ohio: A Personnel Study. New York University. Pp. 368.	Ph.D. in Physical Education and Health, 1935	Professional Status and Relationships	Analytical Survey and Measurement
Manzer, Helen C.	The Physique of Women Normal School Students Compared with the Physique of Women College Students. New York University. Pp. 180.	Ph.D. in Education, 1934	Professional Status and Relationships	Statistical Relationship and Comparative

DOCTORATE THESES OF GRADUATE DEPARTMENTS

Name	Title	Degree and Date	Topical Emphasis	Research Method
Massey, Wayne W.	A Critical Study of Objective Methods for Measuring Antero-Posterior Posture with a New and Simplified Technique. The State University of Iowa. Pp. 70.	Ph.D. in Physical Education, 1938	Methods in Testing and Research	Inventive
Maxcy, John W.	A Study of Some Factors Related to the Placement of Graduates of New York State Normal Schools, with Particular Reference to the Placement of Graduates of Potsdam State Normal School. New York University. Pp. 171.	Ed.D. in Education, 1939	Professional Status and Relationships	Analytical Survey and Measurement
McAfee, Florence	A Curriculum for the Preparation of the General Elementary Teacher in Relation to Physical Education. New York University. Pp. 404.	Ed.D. in Education, 1940	Professional Status and Relationships	Collaboration and Integration
McCall, Margaret A.	The Organization and Administration of Camps Conducted by Departments of Physical Education in Colleges, Teacher-Training Institutions, and Universities in the United States. New York University. Pp. 158.	Ed.D. in Physical Education and Health, 1943	Administrative	Broad Survey
McCloy, Charles H.	Some Achievement Standards in Track and Field Events for Boys from Ten to Twenty Years of Age. Columbia University. Pp. 178.	Ph.D. in Health and Physical Education, in T.C., 1932	Administrative	Normative
McCluggage, Marston M.	Motivating Forces in the Development of Collectivized Forms of Leisure-Time Activity. University of Kansas. Pp. 278.	Ph.D. in Sociology, 1941	Scientific and Cultural Basis	Philosophical or Group Thinking
McCormick, Hubert J.	Enriching the Physical Education Service Program in Colleges and Universities. New York: Bureau of Publications, Teachers College, Columbia University. Pp. 134.	Ed.D. in Health and Physical Education, 1942	Methods in Teaching and Guidance	Collaboration and Integration
McDaniels, Herbert E.	Appraisal of Public Health Work in Oak Park, Illinois. University of Illinois. Pp. 59.	Ph.D. in Bacteriology, 1937	Administrative	Analytical Survey and Measurement
McGilvrey, Louise	Syllabus for a Course in the Foundations of Health and Physical Education. Columbia University. Pp. 191.	Ed.D. in Health and Physical Education, 1942	Programs	Collaboration and Integration
McMurray, J. Gordon	The Relation of Skeletal Symmetry to Athletic Prowess. New York University. Pp. 79.	Ph.D. in Education, 1937	Scientific and Cultural Basis	Statistical Relationship and Comparative
McNelly, Walter C.	Some Effects of Training on the Muscular Mechanical Efficiency of the Human Body. The Ohio State University. Pp. 114.	Ph.D. in Physiology, 1934	Scientific and Cultural Basis	Experimental
Mead, Harold T.	A Survey and Evaluation of Personal Hygiene as Taught in the Accredited Colleges and Universities of New England States. Columbia University. Pp. 184.	Ph.D. in Educational Research, 1935	Programs	Broad Survey
Melcher, Ruth T.	Children's Motor Learning With and Without Vision. The Johns Hopkins University. Pp. 188.	Ph.D. in Psychology, 1934	Methods in Teaching and Guidance	Experimental

RESEARCH QUARTERLY

Name	Title	Degree and Date	Topical Emphasis	Research Method
Meredith, Howard V.	The Rhythm of Physical Growth: A Study of 18 Anthropometric Measurements on Iowa City White Males Ranging in Age Between Birth and 18 Years. The State University of Iowa. Pp. 128.	Ph.D. in Child Welfare, 1935	Scientific and Cultural Basis	Analytical Survey and Measurement
Meredith, William F.	Regulations Concerning the Acceptance of Health and Physical Education for College Entrance Credit: State, Regional, and Institutional Rulings. Columbia University, Norwalk, O.: Law Abstract Co. (C1933). Pp. 187.	Ph.D. in Educational Research, 1933	Administrative	Broad Survey
Merrill, Foster C.	A Study of Student Recreational Needs and the Uses Being Made of Leisure-Time Resources in a School Community. Stanford University. Pp. 362.	Ed.D. in Education, 1943	Programs	Analytical Survey and Measurement
Messer, Guerdon N.	Critical Analysis of the Application of the Rogers Physical Fitness Test to Williams College Students. New York University. Pp. 118.	Ph.D. in Education, 1932	Methods in Testing and Research	Normative
Messersmith, Lloyd L.	The Development of a Measurement Technique for Determining the Distance Traversed by Players of Basketball. Indiana University. Pp. 79.	Ed.D. in Education, 1942	Methods in Testing and Research	Inventive
Metcalf, Harlan G.	The Establishment in the Public Schools of Educational Procedures for Children with Physical Defects. New York University. Pp. 2 V.	Ph.D. in Education, 1934	Administrative	Analytical Survey and Measurement
Meyering, Harry	An Analysis of Behavior Problems Emerging from a Camp Situation. University of Michigan. Pp. 124.	Ph.D. in Education, 1937	Methods of Teaching and Guidance	Analytical Survey and Measurement
Miles, Dwight W.	Preferred Rates in Rhythmic Response. The Johns Hopkins University. Pp. 117.	Ph.D. in Psychology, 1931	Scientific and Cultural Basis	Experimental
Miller, Bernard W.	A Critical Evaluation of the Effectiveness of the Teachers in Physical Inspection of Public School Children. New York University. Pp. 682.	Ph.D. in Education, 1943	Administrative	Analytical Survey and Measurement
Miller, Dudley P.	A Mechanical Analysis of Certain Level Muscles in Man. Yale University. Pp. 195.	Ph.D. in Physiology, 1942	Methods in Testing and Research	Experimental
Mills, G. Kepler	Development of Administration Policies and Practices in Health and Physical Educational Surveys. The University of Pittsburgh. Pp. 203.	Ph.D. in Education, 1945	Administrative	Analytical Survey and Measurement
Mitchell, Elmer D.	The Growth of Physical Education and Allied Movements in the State of Michigan: A Study of Institutional Acceptance and Integration. University of Michigan. Pp. 434.	Ph.D. in Sociology, 1938	Professional Status and Relationships	Historical, Bibliographical, and Biographical
Moffett, Donovan C.	A Study of Accuracy of Direction in Motor Skills at Different Distances as Determined by the Relative Size of the Angle of Error. The State University of Iowa. Pp. 92.	Ph.D. in Physical Education, 1942	Methods in Testing and Research	Experimental
Mohr, Dorothy R.	Measured Effects of Physical Education Activities on Certain Aspects of the Physical Fitness of College Women. The State University of Iowa. Pp. 70.	Ph.D. in Physical Education, 1944	Scientific and Cultural Basis	Analytical Survey and Measurement

DOCTORATE THESES OF GRADUATE DEPARTMENTS

Name	Title	Degree and Date	Topical Emphasis	Research Method
Montgomery, Katherine W.	Principles and Procedures in the Conduct of Inter-Scholastic Athletics for Adolescent Girls. New York University. Pp. 319.	Ed.D. in Education, 1941	Administrative	Philosophical or Group Thinking
Moore, James A.	A Technique for the Appraisal of the Health Program of a Large Elementary School. University of Cincinnati. Pp. 288.	Ed.D. in Education Teachers College, 1938	Administrative	Inventive
Moore, Mary E.	Administrative Plans for Individualizing the Professional Training Program for Women at Louisiana State University. Columbia University. Pp. 153.	Ed.D. in Physical Education, 1945	Professional Status and Relationships	Philosophical or Group Thinking
Morehouse, Laurence E.	A Study of the Response of the Heart to Various Types of Exercise. The State University of Iowa. Pp. 59.	Ph.D. in Physical Education, 1941	Scientific and Cultural Basis	Experimental
Morgan, Cecil W.	A Study to Establish Standards for Certain Achievement Tests in the Victory Corps Physical Fitness Program. The University of Pittsburgh. Pp. 168.	Ph.D. in Education, 1944	Methods in Testing and Research	Normative
Morris, Charles McD.	An Experimental Analysis of Certain Performance Tests. New York University. Pp. 43.	Ph.D. in N.Y.U. Graduate School, 1938	Methods in Testing and Research	Experimental
Moss, Bernice R.	The Functions of Public Health Departments in School Health Programs in California. Stanford University. Pp. 196.	Ed.D. in Physical Education, 1946	Professional Status and Relationships	Broad Survey
Mowrer, Orval H.	The Modification of Nystagmus by Means of Repetition. The Johns Hopkins University. Pp. 232.	Ph.D. in Psychology, 1932	Scientific and Cultural Basis	Experimental
Mullen, Frances A.	Factors in the Growth of Girls. University of Chicago. Pp. 162.	Ph.D. in Education, 1939	Scientific and Cultural Basis	Collaboration and Integration
Murphy, Mary A.	A Study of the Unitary Components of Cardio-Vascular Tests. The State University of Iowa. Pp. 66.	Ph.D. in Physical Education, 1939	Scientific and Cultural Basis	Factor Analysis
Myers, Spencer W.	Criteria for the Evaluation of the Athletic Programs of Junior Colleges in North Central Association Area. Indiana University. Pp. 241.	Ed.D. in School of Education, 1942	Administrative	Analytical Survey and Measurement
Nash, Willard L.	A Study of the Stated Aims and Purposes of the Departments of Military Science and Tactics, and Physical Education in the Land-Grant Colleges of the United States. New York: Bureau of Publications, Teachers College, Columbia University. Pp. 129.	Ph.D. in Educational Research, 1934	Aims and Objectives	Philosophical or Group Thinking
Neilson, Neils P.	A Study of Achievement in Selected Athletic Events. University of California. Pp. 164.	Ph.D. in Education, 1937	Methods in Testing and Research	Analytical Survey and Measurement
Nelson, E. H.	The Present Status of the Health and Physical Education Program in the One-Room Rural Schools in Pennsylvania, with Special Reference to the Children Who Present Behavior Problems. New York University. Pp. 91.	Ph.D. in Physical Education, 1931	Programs	Analytical Survey and Measurement
Nevins, Irma Gene	Home Accidents and Their Prevention. New York University. Pp. 231.	Ed.D. in Education, 1941	Programs	Philosophical or Group Thinking

RESEARCH QUARTERLY

Name	Title	Degree and Date	Topical Emphasis	Research Method
Nordly, Carl L.	The Administration of Intramural Athletics for Men in Colleges and Universities. New York: Bureau of Publications, Teachers College, Columbia University. Pp. 134.	Ph.D. in Educational Research, 1937	Administrative	Analytical Survey and Measurement
Norton, N. Lucille	A Proposed Course of Study for Physical Education in Elementary Schools of Texas. New York University. Pp. 326.	Ed.D. in Education, 1946	Programs	Analytical Survey and Measurement
Oberteuffer, Delbert	Personal Hygiene for College Students; A Study of the Curiosities, Interests, and Felt Needs of College Students in the Subject Matter of Personal Hygiene. New York: Bureau of Publications, Teachers College, Columbia University. Pp. 121.	Ph.D. in Educational Research, 1930	Programs	Analytical Survey and Measurement
O'Donnell, Mary .P.	Creative Dance for Children. New York University. Pp. 117.	Ed.D. in Education, 1945	Programs	Analytical Survey and Measurement
O'Keefe, Patric R.	A Comparative Study of the Anthropometric Measurements of Positive and Negative Tuberculin Reactions. The State University of Iowa. Pp. 59.	Ph.D. in Physical Education, 1942	Methods in Testing and Research	Statistical Relationship and Comparative
Olds, Lloyd W.	Study of the Effects of Competitive Basketball Upon the Physical Fitness of High School Boys as Determined by McCurdy-Larson Organic Efficiency Tests. University of Michigan. Pp. 143.	Dr. P.H. in Hygiene and Public Health, 1939	Scientific and Cultural Basis	Experimental
Olesen, Frederik A.	An Experimental Analysis of the Relative Effect of Exercise Upon the Gross Musculature in College Students. New York University. Pp. 139.	Ph.D. in Education, 1934	Scientific and Cultural Basis	Experimental
Osborne, Ernest G.	The Individualization of Large Group Camping. Columbia University. Pp. 192.	Ph.D. in Health and Physical Education in T.C., 1936	Methods in Teaching and Guidance	Analytical Survey and Measurement
Osborne, Ernest G.	Camping and Guidance. Columbia University. Pp. 260. (Same as above; this appears to be an enlarged version of the actual thesis done in 1936.)	Ph.D. in Health and Physical Education, 1937	Aims and Objectives	Philosophical or Group Thinking
Osborne, William T.	The Relative Accuracy of Officiating Basketball from Different Positions. New York University. Pp. 164.	Ph.D. in Education, 1941	Administrative	Analytical Survey and Measurement
Osnato, Eva J.	Enriching the Program of Physical Education of a New York City High School for Girls in the Light of the Objective, Worthy Use of Leisure Time. New York University. Pp. 325.	Ed.D. in Education, 1941	Programs	Philosophical or Group Thinking
Owens, William A., Jr.	Inter-Individual Differences Versus Intra-Individual Differences in Motor Skills. University of Minnesota. Pp. 71.	Ph.D. in Psychology, 1941	Methods in Testing and Research	Statistical Relationship and Comparative
Palmer, W. Carlton	The Sports Needs of University of Alabama Students After Graduation. New York University. Pp. 124.	Ph.D. in Education, 1935	Scientific and Cultural Basis	Analytical Survey and Measurement
Paterson, Ann	An Evaluation of the Teacher Education Program for Undergraduate Women Students. Columbia University. Pp. 182.	Ed.D. in Health and Physical Education, 1944	Professional Status and Relationships	Philosophical or Group Thinking

DOCTORATE THESES OF GRADUATE DEPARTMENTS

Name	Title	Degree and Date	Topical Emphasis	Research Method
Paulsen, Gaige B.	The Measurement of Motor Control with Special Reference to Individual Variability, Reliability and Implication. University of Minnesota. <i>Journal of Applied Psychology</i> , 19: 29-42, 166-179. Pp. 179.	Ph.D. in Psychology, 1935	Methods in Testing and Research	Experimental
Peace, James S.	A Manual of the Organization and Conduct of an Intramural Recreational Program for Colleges and Universities. New York University. Pp. 237.	Ed.D. in Education, 1943	Programs	Collaboration and Integration
Petroskey, Helen	A History of Measurement in Health and Physical Education in the United States. The State University of Iowa. Pp. 600.	Ph.D. in Physical Education, 1946	Methods in Testing and Research	Historical and Biographical
Phillips, Bernath E.	The Relationship Between Certain Phases of Kinesthesia and Performance During Early Stages of Acquiring Two Perceptuo-Motor Skills. The Pennsylvania State College. Pp. 99.	Ph.D. in Physical Education, 1942	Scientific and Cultural Basis	Statistical Relationship and Comparative
Piper, Ralph A.	Night Football in the United States, with Special Consideration of Standards of Lighting. New York University. Pp. 140.	Ed.D. in Education, 1941	Administrative	Analytical Survey and Measurement
Plewes, Doris W.	A Course of Study in Health, Physical Education and Recreation. Columbia University. Pp. 430.	Ed.D. in Health and Physical Education, 1943	Programs	Philosophical or Group Thinking
Powdermaker, Theresa	Physical Education Play Activities for Girls in Junior and Senior High Schools. New York University. Pp. 627.	Ed.D. in Education, 1937	Programs	Collaboration and Integration
Pratoomratha, Zeng Viziz	A Physical Education Curriculum for the Teachers College of Thailand. New York University. Pp. 170.	Ed.D. in Education, 1944	Programs	Philosophical or Group Thinking
Preston, Everett C.	Principles and Statutory Provisions Relating to Recreational, Medical, and Social Welfare Agencies in the Public Schools. Columbia University. Pp. 141.	Ph.D. in Health and Physical Education, 1935	Administrative	Collaboration and Integration
Price, Hartley D.	The Establishment of the Principles Which Are Essential for the Realization of the Objectives of Physical Education. New York University. Pp. 333.	Ph.D. in Education, 1946	Aims and Objectives	Philosophical or Group Thinking
Pritchard, Earl A.	The Organization and Management of Physical Education, Recreation, and Health Education Sources and Materials in a Local Central Office. New York University. Pp. 89.	Ph.D. in Education, 1932	Administrative	Analytical Survey and Measurement
Quigley, Thomas J.	A Normative Survey of Administration and Practices in the Health Programs of the Schools of Pennsylvania. The University of Pittsburgh. Pp. 147.	Ph.D. in Education, 1945	Administrative	Analytical Survey and Measurement
Quimby, Rexford C.	Body Weight in Relation to Certain Skeletal Measurements. New York University. Pp. 79.	Ph.D. in Education, 1932	Methods in Testing and Research	Statistical Causal and Analysis Prediction
Rapparlie, John H.	Motor Ability of the Larger Musculature with Particular Reference to Athletic Performance. The Ohio State University. Pp. 223.	Ph.D. in Psychology, 1941	Scientific and Cultural Basis	Experimental
Rarick, Lawrence	An Analysis of the Speed Factor in Simple Athletic Activities. The State University of Iowa. Pp. 47.	Ph.D. in Physical Education, 1937	Scientific and Cultural Basis	Factor Analysis

RESEARCH QUARTERLY

Name	Title	Degree and Date	Topical Emphasis	Research Method
Rathbone, Josephine L.	Residual Neuro-Muscular Hypertensions: Implications for Education. Columbia University. Pp. 220.	Ph.D. in Health and Physical Education, in T.C., 1936	Scientific and Cultural Basis	Collaboration and Integration
Rearick, Elizabeth C.	Dances of the Hungarians. Columbia University. Pp. 151.	Ph.D. in Health and Physical Education, in T.C., 1939	Scientific and Cultural Basis	Historical, Bibliographical, and Biographical
Rhoton, Paul	Health Misconceptions of Prospective Teachers. The Pennsylvania State College. Pp. 118.	Ed.D. in Education and Psychology, 1932	Professional Status and Relationships	Analytical Survey and Measurement
Richardson, Hazel A.	Dance in the Curriculum of the Elementary School. Columbia University. Pp. 301.	Ed.D. in Health and Physical Education, 1944	Programs	Analytical Survey and Measurement
Richey, Herman G.	The Blood Pressure in Boys and Girls Before and After Puberty and Its Relation to Growth and Maturity. University of Chicago. Pp. 174.	Ph.D. in Education, 1930	Scientific and Cultural Basis	Statistical Relationship and Comparative
Robb, Elda	The Energy Requirement of Normal Three- and Four-Year Old Children Under Standard Basal Metabolism Conditions and During Periods of Quiet Play. Columbia University. Pp. 57.	Ph.D. in Health and Physical Education in T.C., 1935	Scientific and Cultural Basis	Experimental
Roberts, Mary P.	A Study of Children's Play in the Home Environment. The State University of Iowa. Pp. 158.	Ph.D. in Child Welfare, 1932	Scientific and Cultural Basis	Analytical Survey and Measurement
Robinson, Reginald	The Leisure-Time Activities of Public School Children from Ten to Eighteen Years of Age Attending Junior High School and Living on the Lower West Side of New York City. New York University. Pp. 212.	Ph.D. in Education, 1936	Programs	Analytical Survey and Measurement
Rodgers, Elizabeth G.	An Experimental Investigation of the Teaching of Team Games; A Study Applied to the Elementary School Level of Three Methods of Teaching. New York: Bureau of Publications, Teachers College, Columbia University. Pp. 65.	Ph.D. in Educational Research, 1936	Methods in Teaching and Guidance	Experimental
Rogers, Laurence T.	A Study of Relationship Between Certain Aspects of Physique and Sprinting Ability. New York University. Pp. 105.	Ph.D. in Education, 1933	Scientific and Cultural Basis	Statistical Relationship and Comparative
Romney, Golden	A Study of Factors Which Contribute to the Curricular Interests of Students of 9th Grade with Special Reference to Physical Education. New York University. Pp. 135.	Ph.D. in Education, 1936	Programs	Analytical Survey and Measurement
Roth, Charles	Hand-Eye Dominate as a Factor in Motor Ability. New York University. Pp. 73.	Ph.D. in Education, 1942	Scientific and Cultural Basis	Experimental
Rowe, Charlotte	A Study of the Effects of Vitamin A and Vitamin D on Cultures of Epithelial and Connective Tissues. New York University. Pp. 72.	Ph.D. in Education, 1939	Scientific and Cultural Basis	Experimental

DOCTORATE THESES OF GRADUATE DEPARTMENTS

Name	Title	Degree and Date	Topical Emphasis	Research Method
Ruef, Dorothy, N.	Health Education in Senior High Schools; A Study of the Qualifications, Status, Affiliations, and Functions of Persons Responsible for Health Education in Senior High Schools, with Special Reference to New Jersey. New York: Bureau of Publications, Teachers College, Columbia University. Pp. 106.	Ph.D. in Educational Research, 1934	Programs	Analytical Survey and Measurement
Rugen, Mabel E.	The Organization of Physical and Health Education Teacher-Training Institutions Preparing Teachers for the Elementary Grades. New York University. Pp. 139.	Ph.D. in Physical Education and Health, 1930	Professional Status and Relationships	Collaboration and Integration
Russell, Helen L.	Teacher Education in Physical Education with Special Reference to the Major Programs for Women in Selected State Teachers' Colleges. University of Illinois. Pp. 309.	Ph.D. in Education, 1944	Professional Status and Relationships	Broad Survey
Salit, Elizabeth P.	The Development of Fundamental Sport Skills in Freshman College Women of Low Motor Ability. The State University of Iowa. Pp. 196.	Ph.D. in Physical Education, 1944	Scientific and Cultural Basis	Experimental
Salt, Ellis B.	Health Misconceptions of 7th-, 10th-, and 12th-Grade Students. New York University. Pp. 148.	Ed.D. in Education, 1936	Scientific and Cultural Basis	Analytical Survey and Measurement
Sanders, Agnes P.	A Study of Dietary Habits and Nutritional Status of One Hundred Pennsylvania Families. The Pennsylvania State College. Pp. 275.	Ph.D. in Home Economics, 1937	Scientific and Cultural Basis	Analytical Survey and Measurement
Sanders, Jewell E.	Safety and Health in Organized Camps. Columbia University. Pp. 133.	Ph.D. in Health and Physical Education in T.C., 1931	Programs	Analytical Survey and Measurement
Saurborn, Jeannette B.	Patterns of Children's Choices, Duration of Interests, and Successful Adaptation to Playground Activities. New York University. Pp. 149.	Ph.D. in Physical Education and Health, 1943	Programs	Analytical Survey and Measurement
Scannell, John A.	A Study in the Exercise Factor in the Growth of College Freshmen. Indiana University. Pp. 109.	Ed.D. in Education, 1940	Scientific and Cultural Basis	Statistical Relationship and Comparative
Schmidt, George H.	The Relation of Certain Anthropometric Characteristics to the Weight of High School Boys. New York University. Pp. 56.	Ph.D. in Education, 1932	Methods in Testing and Research	Statistical Causal Analysis and Prediction
Schneider, Grenafore W.	A Playground Director's Manual. Columbia University. Pp. 285.	Ed.D. in Health and Physical Education, 1946	Programs	Collaboration and Integration
Schneider, Nathaniel O.	Teacher Preparation for Safety Education. New York University. Pp. 382.	Ed.D. in Education, 1940	Professional Status and Relationships	Analytical Survey and Measurement
Schorsch, Robert S.	Psychology of Play. University of Notre Dame. Pp. 116.	Ph.D. in Philosophy, 1942	Scientific and Cultural Basis	Collaboration and Integration
Schroeder, Elinor M.	Trend and Reliability of Successive Units of Archery Score, and Study of Selected Factors Which Appear to Influence Such Scores. Columbia University. Pp. 210.	Ph.D. in Health and Physical Education in T.C., 1945	Programs	Analytical Survey and Measurement

RESEARCH QUARTERLY

Name	Title	Degree and Date	Topical Emphasis	Research Method
Schwendener, Norma	Game Preferences of 10,000 Fourth-Grade Children. Columbia University. Pp. 49.	Ph.D. in Health and Physical Education, in T.C., 1932	Programs	Analytical Survey and Measurement
Scott, M. Gladys	The Assessment of Motor Abilities of College Women Through Objective Tests. The State University of Iowa. Pp. 96.	Ph.D. in Physical Education, 1937	Methods in Testing and Research	Analytical Survey and Measurement
Seen, Eva M.	Critical Evaluation of Present Best Practice in Supervision of Physical Education. New York University. Pp. 176.	Ed.D. in Education, 1937	Administrative	Philosophical or Group Thinking
Seger, Garrette K.	A Study of Adequate Building and a Recreation Field Suitable to the Needs of the Revised Program in Health and Physical Education at the State Normal School, Geneseo, N. Y. New York University. Pp. 74.	Ed.D. in Education, 1938	Administrative	Collaboration and Integration
Seigerseth, Peter O.	An Attempt to Isolate and Identify Fundamental Factors that Underlie Motor Fitness as Measured by Large-Muscle Performance. University of Oregon. Pp. 71.	Ed.D. in Education, 1944	Scientific and Cultural Basis	Factor Analysis
Settle, Caskey	A Study of Health, Physical Education, and Physical Recreational Activities of the Public Schools and Community of the Borough of Rutherford, New Jersey. Columbia University. Pp. 159.	Ed.D. in Health and Physical Education in T.C., 1936	Programs	Analytical Survey and Measurement
Sharman, Jackson R.	Physical Education Facilities for the Public Accredited High Schools of Alabama. New York: Bureau of Publications, Teachers College, Columbia University. Pp. 78.	Ph.D. in Educational Research, 1930	Administrative	Analytical Survey and Measurement
Sharp, Della L.	Group and Individual Profiles in the Association-Motor Test. The State University of Iowa. Pp. 128.	Ph.D. in Child Welfare, 1938	Methods in Testing and Research	Analytical Survey and Measurement
Sharp, LeRoy H.	Effects of Residual Tension on Output and Energy Expenditure in Muscular Work. Northwestern University. Pp. 50.	Ph.D. in Psychology, 1940	Scientific and Cultural Basis	Experimental
Shaw, John H.	A Study of the Requirements for the Master's Degree for Men Students Majoring in Physical Education at Teachers College, Columbia University. Pp. 218.	Ed.D. in Health and Physical Education in T.C., 1939	Professional Status and Relationships	Analytical Survey and Measurement
Shaw, William A.	The Relation of Muscular Action Potentials to Imaginal Weight Lifting. Columbia University. Pp. 51.	Ed.D. in Health and Physical Education in T.C., 1939	Scientific and Cultural Basis	Statistical Relationship and Comparative
Siebrecht, Elmer B.	The Construction and Validation of a Scale for the Measurement of Attitudes Toward Safety in Automobile Driving. New York University. Pp. 142.	Ed.E. in Education, 1941	Methods in Testing and Research	Inventive
Silverman, Lewis K.	A Study of Factors That are Associated with Activity Choices of Participants in Organized Public Recreation Centers. New York University. Pp. 146.	Ph.D. in Education, 1942	Programs	Analytical Survey and Measurement
Sinclair, Caroline B.	The Development of Physical Education in Tennessee. New York University. Pp. 306.	Ph.D. in Education, 1936	Programs	Historical, Bibliographical, and Biographical

DOCTORATE THESES OF GRADUATE DEPARTMENTS

Name	Title	Degree and Date	Topical Emphasis	Research Method
Skalet, Magda V.	The Significance of Delayed Reactions in Young Children. The Johns Hopkins University. Pp. 162.	Ph.D. in Psychology, 1930	Scientific and Cultural Basis	Experimental
Smith, Edwin L.	A Study of the Maximum Capacity of the Vascular System. University of Chicago. Pp. 17.	Ph.D. in Physiology, 1942	Scientific and Cultural Basis	Experimental
Smith, Gwen	Kinesiological Analysis of Selected Phases of the Physical Education Program for College Women. The State University of Iowa. Pp. 199.	Ph.D. in Physical Education, 1946	Methods in Teaching and Guidance	Experimental
Smith, Helen G.	The Extent to Which Women Students at a State College, Classified According to Major Field Specialization, are Characterized by Certain Measurable Traits. New York University. Pp. 321.	Ph.D. in Education, 1944	Professional Status and Relationships	Analytical Survey and Measurement
Smith, Paul W.	The Relation Between Initial Tension and Fiber Length and the Mechanism of Energy Release in Striated Muscles. University of Illinois. Pp. 76.	Ph.D. in Physiology, 1934	Scientific and Cultural Basis	Experimental
Spencer, Mary E.	Health Education for Teachers; A Critical Study of Pre-Service Preparation of Classroom Teachers for the School Health Program. New York: Bureau of Publications, Teachers College, Columbia University. Pp. 118.	Ph.D. in Educational Research, 1933	Professional Status and Relationships	Analytical Survey and Measurement
Sperling, Abraham P.	The Relationship Between Personality Adjustment and Achievement in Physical Education Activities. New York University. Pp. 115.	Ph.D. in Education, 1941	Scientific and Cultural Basis	Statistical Relationship and Comparative
Spitz, George B., Jr.	A Critical Examination of the Relationship of Certain Factors to Achievement in the Physical Test Employed in the Formation of the Eligible List for the Fire Department of the City of New York in 1941. New York University. Pp. 84.	Ed.D. in Physical Education and Health, 1943	Scientific and Cultural Basis	Statistical Relationship and Comparative
Stafford, George T.	Adapted Sports for Atypical Secondary School Boys. New York University. Pp. 304.	Ed.D. in Education, 1937	Programs	Philosophical or Group Thinking
Steers, William H.	A Program of Health, Safety, Physical Education, and Recreation for the Public Schools. A Study of Health, Safety, Physical Education, and Recreation Activities of the Public Schools and Community of Metuchen, New Jersey. Columbia University. Pp. 254.	Ed.D. in Health and Physical Education, 1940	Programs	Analytical Survey and Measurement
Stevens, Andrew C.	An Analysis of Health Broadcasts Received in California During 1942-1943. Stanford University. Pp. 439.	Ed.D. in Physical Education, 1944	Scientific and Cultural Basis	Collaboration and Integration
Stone, William	The Relationship Between Instruction in Knowledge of Health Practices and the Performance of Health Practices in the Home. New York University. Pp. 177.	Ph.D. in Education, 1944	Methods in Teaching and Guidance	Statistical Relationship and Comparative
Storey, Edward J.	Free Printed Materials in Health Education. New York University. Pp. 157.	Ed.D. in Education, 1941	Programs	Historical, Biographical, and Bibliographical

RESEARCH QUARTERLY

Name	Title	Degree and Date	Topical Emphasis	Research Method
Strohoefer, Francis K.	The Development of Procedures for Meeting Leisure-Time Needs for Boys. New York University. Pp. 122.	Ed.D. in Education, 1940	Methods in Teaching and Guidance	Philosophical or Group Thinking
Struthers, Alice B.	Functional Periodicity and Efficiency. The University of Southern California. Pp. 415.	Ph.D. in Psychology, 1936	Scientific and Cultural Basis	Experimental
Sudduth, Solon B.	Study and Appraisal of Health Education in Alabama. George Peabody College for Teachers. Pp. 189.	Ph.D. in Education, 1942	Programs	Analytical Survey and Measurement
Sweigard, Lulu E.	Bilateral Asymmetry in the Alignment of the Skeletal Framework of the Human Body. New York University. Pp. 184.	Ph.D. in Education, 1939	Methods in Testing and Research	Analytical Survey and Measurement
Talbot, Jean	An Interpretation of Physical Education for the Teacher in the Elementary Grades. New York University. Pp. 164.	Ed.D. in Education, 1943	Administrative	Philosophical or Group Thinking
Tandy, W. Lou	Economics of Leisure. University of Illinois. Pp. 179.	Ph.D. in Economics, 1934	Administrative	Analytical Survey and Measurement
Taylor, Harold T.	Administrative Implications of Health and Safety Records of Public School Children. Indiana University. Pp. 129.	Ed.D. in Education, 1941	Administrative	Analytical Survey and Measurement
Taylor, John W.	Youth Welfare in Germany; A Study of Governmental Action Relative to Care of the Normal German Youth. Columbia University. Nashville, Tenn.: Baird-Ward Co. Pp. 259.	Ph.D. in Health and Physical Education, 1936	Administrative	Collaboration and Integration
Thisted, Moses N.	A Study of the Relationship Between Participation in College Athletics and Vocational Success. The State University of Iowa. Pp. 220.	Ph.D. in Education, 1932	Professional Status and Relationships	Broad Survey
Thomas, Muriel L.	A Plan for the Preparation in Health Education in College X of Prospective Elementary and Secondary Teachers. Columbia University. Pp. 218.	Ed.D. in Health and Physical Education, 1945	Professional Status and Relationships	Philosophical or Group Thinking
Thompson, Claude E.	A Study of Motor and Mechanical Abilities. The Ohio State University. Pp. 87.	Ph.D. in Psychology, 1940	Scientific and Cultural Basis	Experimental
Thompson, Ethel M.	A Study of the Energy Expenditures and Mechanical Efficiency of Young Girls and Adult Women. Columbia University. Pp. 45.	Ph.D. in Health and Physical Education, 1941	Scientific and Cultural Basis	Experimental
Thompson, William D.	The Development of Physical Education in the District of Columbia Public Schools. New York University. Pp. 731.	Ed.D. in Education, 1941	Programs	Historical, Bibliographical, and Biographical
Tilton, John P.	An Objective Study of Body Build in Relation to the Use of Height-Weight Norms. Harvard University. Pp. 287.	Ed.D. in Education, 1933	Scientific and Cultural Basis	Statistical Relationship and Comparative
Troester, Carl A.	A Plan for Improving the Certification of Physical Education Teachers in the Secondary Schools of Connecticut. Columbia University. Pp. 218.	Ed.D. in Health and Physical Education, 1943	Administrative	Philosophical or Group Thinking
Twitmyer, Edward M.	Visual Guidance in Motor Learning. University of Pennsylvania. Pp. 187.	Ph.D. in Psychology, 1932	Methods in Teaching and Guidance	Experimental

DOCTORATE THESES OF GRADUATE DEPARTMENTS

Name	Title	Degree and Date	Topical Emphasis	Research Method
Van Dalen, Deobold	A Study of the Play of Deviates in Strength-Motor Tests. University of Michigan. Pp. 222.	Ph.D. in Education, 1944	Scientific and Cultural Basis	Statistical Relationship and Comparative
Van Zee, Viola	Role of Recreation in Chicago From 1803 to 1848 as Revealed in Literature Available in the Metropolitan Area. Northwestern University. Pp. 315.	Ph.D. in Sociology, 1942	Programs	Historical, Bibliographical, and Biographical
Vernier, Elmon L.	Physical Training for Airmen; A Manual for the High School Physical Education Teacher. Columbia University. Pp. 70.	Ed.D. in Health and Physical Education, 1942	Programs	Collaboration and Integration
Voltmer, Carl D.	A Brief History of Intercollegiate Conferences of Faculty Representatives; with Special Consideration of Athletic Problems. Columbia University. Pp. 100.	Ph.D. in Health and Physical Education, 1936	Administrative	Historical, Bibliographical, and Biographical
Voth, Albert G.	A Study of Personality Types Through the Autokinetic Phenomenon. University of Kansas. Pp. 104.	Ph.D. in Psychology, 1938	Scientific and Cultural Basis	Experimental
Wagner, Carlos J.	Organization and Procedure in the Conduct of Track and Field Meets. New York University. Pp. 118.	Ed.D. in Physical Education, and Health, 1937	Administrative	Collaboration and Integration
Wagner, Tobias	The Work Efficiency of Physically Disabled Industrial Workers. New York University. Pp. 187.	Ph.D. in Education, 1945	Scientific and Cultural Basis	Experimental
Waite, Alexander	Effects of Varied Instruction on the Learning of a Certain Motor Skill. Duke University. Pp. 131.	Ph.D. in Psychology, 1941	Methods in Teaching and Guidance	Experimental
Wakefield, Markham C.	A Study of Mortality Among Men Who Have Played in the High School State Final Basketball Tournaments. Indiana University. Pp. 159.	Ed.D. in Education, 1944	Scientific and Cultural Basis	Statistical Causal and Analysis Prediction
Walke, Nelson S.	Traits Characteristic of Men Majoring in Physical Education at the Pennsylvania State College. New York; Bureau of Publications, Teachers College, Columbia University. Pp. 62.	Ph.D. in Educational Research, 1937	Professional Status and Relationships	Analytical Survey and Measurement
Walker, Herbert	A Study of the Respiratory Activity of Normal Healthy Men and Boys. Harvard University. Pp. 128.	Ed.D. in Education, 1934	Scientific and Cultural Basis	Experimental
Wann, Mrs. Marie D.	A Study of Fact and Attitude About Gonorrhea as Demonstrated by Questionnaire Study. Columbia University. Pp. 68.	Ph.D. in Educational Research, 1943	Scientific and Cultural Basis	Broad Survey
Warner, Edna A.	The Contribution of the Case Method to Guidance in a Summer Camp. University of Cincinnati. Pp. 162.	Ed.D. in Education, 1940	Methods in Teaching and Guidance	Analytical Survey and Measurement
Washington, Edward L.	An Evaluation of the New York City Junior High School Physical Fitness Test. New York University. Pp. 85.	Ed.D. in Education, 1935	Administrative	Philosophical or Group Thinking
Washke, Paul R.	The Development of the American Association for Health, Physical Education, and Recreation and Its Relationship to Physical Education in the United States. New York University. Pp. 376.	Ph.D. in Education, 1943	Professional Status and Relationships	Historical, Bibliographical, and Biographical

RESEARCH QUARTERLY

Name	Title	Degree and Date	Topical Emphasis	Research Method
Waterman, Emma F.	The Ability of the Physical Educator to Make Judgments on the Items of a Physical Examination for Women Students in Colleges and Universities. New York University. Pp. 282.	Ph.D. in Education, 1935	Methods in Testing and Research	Analytical Survey and Measurement
Watson, Katherine G.	A Study of the Relation of Certain Measurements of College Women to Throwing Ability. New York University. Pp. 94.	Ph.D. in Education, 1935	Scientific and Cultural Basis	Statistical Causal Analysis and Prediction
Weber, Elmer W.	A Study of the Relationship of Certain Health Factors to Scholarship. Indiana University. Pp. 87.	Ed.D. in Education, 1941	Scientific and Cultural Basis	Analytical Survey and Measurement
Webster, Randolph W.	Psychological and Pedagogical Factors Involved in Motor Skill Performance as Exemplified in Bowling. University of Michigan. Pp. 232.	Ph.D. in Education, 1940	Scientific and Cultural Basis	Experimental
Wee, Kok A.	Physical Education in Protestant Christian Colleges and Universities of China. Columbia University. Pp. 105.	Ph.D. in Educational Research, 1937	Programs	Analytical Survey and Measurement
Weig, Ella L.	Bi-Lateral Transfer in the Motor Learning of Young Children and Adults. University of Minnesota. Pp. 129.	Ph.D. in Child Welfare, 1932	Scientific and Cultural Basis	Experimental
Weinstein, Rebecca R.	The Organization in the Conduct of Play for High School Girls. New York University. Pp. 187.	Ed.D. in Education, 1942	Programs	Broad Survey
Wells, George	Effect of External Temperature Changes as Brought About by Water of Varying Temperatures on Circulation, Respiration, and Body Temperature. The State University of Iowa. Pp. 90.	Ph.D. in Physical Education, 1932	Scientific and Cultural Basis	Experimental
Wells, Katherine	An Atlas of Kinesiology with Supplementary Motion Pictures. The State University of Iowa. Pp. 385.	Ph.D. in Physical Education, 1946	Programs	Inventive
Wendler, Arthur J.	A Critical Analysis of Test Elements Used in Physical Education. The State University of Iowa. Pp. 65.	Ph.E. in Physical Education, 1936	Methods in Testing and Research	Factor Analysis
West, Wilbur	A Study of Speed Versus Accuracy in the Acquisition of Skill. University of Michigan. Pp. 77.	Ph.D. in Psychology, 1936	Scientific and Cultural Basis	Experimental
White, Clifton W.	A Study to Determine Which Anthropometric Measurements Best Predict Optimum Body Weight. University of Oregon. Pp. 73.	Ed.D. in Education, 1946	Scientific and Cultural Basis	Statistical Causal Analysis and Prediction
White, Roberta S.	Motor Suggestions in Children. The Johns Hopkins University. Pp. 124.	Ph.D. in Psychology, 1930	Scientific and Cultural Basis	Analytical Survey and Measurement
Wilbur, Ernest A.	A Comparative Study of Physical Fitness Indices as Measured by Two Programs of Physical Education: The Sports Method and the Apparatus Method. New York University. Pp. 131.	Ph.D. in Education, 1943	Methods in Testing and Research	Experimental
Wild, Monica R.	The Behavior Pattern of Throwing and Some Observations Concerning Its Course of Development in Children. University of Wisconsin. Pp. 943.	Ph.D. in Education and Physical Education, 1937	Scientific and Cultural Basis	Analytical Survey and Measurement

DOCTORATE THESES OF GRADUATE DEPARTMENTS

Name	Title	Degree and Date	Topical Emphasis	Research Method
Willis, Edna	A Study to Determine Whether Certain Factors Influence the Leisure-Time Activities and Interests of School of Education Students at New York University. New York University. Pp. 405.	Ph.D. in Physical Education and Health, 1940	Scientific and Cultural Basis	Statistical Relationship and Comparative
Wilson, Marjorie W.	Development of Jumping Skill in Children. The State University of Iowa. Pp. 97.	Ph.D. in Physical Education, 1945	Professional Status and Relationships	Experimental
Winograd, Samuel	The Relationship of Timing and Vision to Basketball Performance. New York University. Pp. 72.	Ph.D. in Education, 1942	Scientific and Cultural Basis	Statistical Causal Analysis and Prediction
Witty, Paul A.	A Study of the Deviates in Versatility and Sociability of Play Interest. Columbia University. Pp. 57.	Ph.D. in Health and Physical Education, 1930	Methods in Testing and Research	Analytical Survey and Measurement
Wohlford, Mildred B.	Certain Personality Traits of High School Girls Classified According to Individual Patterns of Participation on Physical Education Activities. New York University. Pp. 276.	Ph.D. in Education, 1944	Scientific and Cultural Basis	Analytical Survey and Measurement
Woodard, Patricia	An Experimental Study of Transfer of Training in Motor Learning. University of Pennsylvania. Pp. 32.	Ph.D. in Psychology, 1942	Scientific and Cultural Basis	Experimental
Wulfeck, Wallace H.	Motor Function in the Mentally Diseased. Yale University. Pp. 183.	Ph.D. in Psychology, 1938	Scientific and Cultural Basis	Analytical Survey and Measurement
Young, A. L.	The Comparative Efficiency of Varied and Constant Methods in Sensori-Motor Learning. George Peabody College for Teachers. Pp. 60.	Ph.D. in Education, 1935	Methods in Teaching and Guidance	Experimental
Young, Carl H.	The Construction of a Manual for Use in the Physical Appraisal and Development of Cadets in the Naval Aviation Training Program. Stanford University. Pp. 81.	Ed.D. in Education, 1946	Programs	Collaboration and Integration
Zimmerli, Elizabeth K.	A History of Physical Education for Women at Stanford University and a Survey of the Department of Physical Education for Women in 1943-1944. Stanford University. Pp. 332.	Ed.D. in Physical Education, 1945	Professional Status and Relationships	Collaboration and Integration
Zasloff, Ira	Manual of Square Dancing. New York University. Pp. 195.	Ed.D. in Education, 1944	Programs	Collaboration and Integration
Zook, Earl	A Study of the Physical Growth of Boys by Means of Water Displacement. University of Chicago. Pp. 112.	Ph.D. in Education, 1930	Methods in Testing and Research	Analytical Survey and Measurement

Corrections or additions to this list should be sent to the author. From time to time the work will be continued with the cooperation of members of the National Research Council of the Research Section.