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RECORD
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RECORD OF CURRENT EDUCATIONAL PUBLICATIONS.

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CONTENTS.—Educational history and biography—Current educational conditions—Educational theory and practice—Educational psychology; Child study—Psychological tests—Educational tests and measurements—Special methods of instruction—Special subjects of curriculum—Rural life and culture—Rural education—Secondary education—Teacher training—Teachers' salaries and professional status—Higher education—Scientific research—Federal government and education—School administration—School management—School buildings and grounds—School hygiene and sanitation—Public health—Mental hygiene—Physical training—Play and recreation—Social aspects of education—Child welfare—Moral education—Religious and church education—Manual and vocational training—Vocational guidance—Workers' education—Agriculture—Home economics—Commercial education—Professional education—Engineering education—Civic education—Education of women—Indian education—Negro education—Education of deaf—Exceptional children—Libraries and reading—Bureau of Education: Recent publications.

NOTE.

From time to time a classified and annotated record is issued, in bulletin form, of current educational publications received by the library of the Bureau of Education to a certain specified date. The present list continues the record to September 1, 1922, immediately following Bulletin, 1922, no. 21, which comprised publications received by the Bureau of Education to May 15, 1922.

This office can not supply the publications listed in this bulletin, other than those expressly designated as publications of the Bureau of Education. Books, pamphlets, and periodicals here mentioned may ordinarily be obtained from their respective publishers, either directly or through a dealer, or, in the case of an association publication, from the secretary of the issuing organization. Many of them are available for consultation in various public and institutional libraries.

EDUCATIONAL HISTORY AND BIOGRAPHY.

Alexander, Carter. Superintendent Cary's work in Wisconsin. Educational review, 64: 16-24, June 1922.

Eulogizes the achievements and methods of work of the Wisconsin State department of public instruction under the régime of Superintendent Cary.

Cubberley, Ellwood P. A brief history of education; a history of the practice and progress and organization of education. Boston, New York [etc.] Houghton Mifflin company [1922] xvi, 462, vi p. illus. (incl. maps) plates, ports., diagrs. 8°. (*Half-title:* Riverside textbooks in education, ed. by E. P. Cubberley . . . Division of secondary education under editorial direction of A. Inglis . . .)

"An abridgment and condensation of my History of education, issued in 1920."—Pref.

General bibliography: p. [xv]-xvi.

"Selected readings" and "Supplementary references" at end of each chapter.

- Metta, V. B.** Ancient Hindu education. *Forum*, 68: 644-47, August 1922.
Describes the psychologic foundations of education under the Vedanta system.
- Reisner, Edward H.** Nationalism and education since 1789; a social and political history of modern education. New York, The Macmillan company, 1922. xiii, 575 p. 8°.
This book describes the major facts of the social, economic, and political life of France, Prussia, England, and the United States since about 1789, in close relationship with educational policy and practice.
- Rosenberger, Jesse Leonard.** Through three centuries: Colver and Rosenberger, lives and times, 1620-1922. Chicago, Ill., The University of Chicago press, [1922] xii, 407 p. front., plates, ports. 12°.
- Stengel, H. Oxley.** The story of Mary Lyon. New York, N. Y., Newark, N. J., Barse & Hopkins [1922] 181 p. front. (port.) plates. 12° (Famous Americans for young readers.)
- Thibreau, Patrick Wilfrid.** Education in Nova Scotia before 1811. Washington, D. C., 1922. 121 p. 8°.
Bibliography: p. 118-120.
Thesis (Ph. D.)—Catholic university of America, 1922.

CURRENT EDUCATIONAL CONDITIONS.

GENERAL AND UNITED STATES.

- Are we getting better textbooks? *Publishers' weekly*, 102: 190-92, July 22, 1922.
Reprinted from a symposium on American textbooks based on a questionnaire sent out to leading educators by Prof. Franklin H. Giddings, of Columbia university. Replies are given from David Snedden, William C. Bagley, David S. Mussey, M. V. O'Shea, and James F. Hoste.
- Barnes, Walter.** The new education: an interpretation. *Educational review*, 64: 124-34, September 1922.
Tells of the new psychology, the new plan of measurements, the new philosophy, and the new psychology, and of their substantial achievements in education, in relation to the new school system, the new curriculum, and the new methods of teaching.
- Chu, Jennings Pinkwei.** Chinese students in America: qualities associated with their success. New York city, Teachers college, Columbia university, 1922. 3 p. l., 55 p. incl. tables. 8°. (Teachers college, Columbia university. Contributions to education, no. 127)
- Hart, Joseph K.** Educational drift. *Survey*, 48: 312-16, May 27, 1922.
Says that changes in the public-school system must be compelled and accepted by the public. They must come from the most thoughtful and responsible part of the public.
- The world in the teacher's mind. *Survey*, 48: 559-64, 586, August 1, 1922.
Discusses the evolutionary aspects of education. Emphasizes the philosophical interpretation of education as expounded by John Dewey.
- Lewis, William M.** The nation's needs and the schools. *Survey*, 48: 318-21, 347, 349, May 27, 1922.
- Musselman, H. T.** The school crisis and a possible constructive school code. *Texas school journal*, 39: 7-11, July-August 1922.
Emphasizes school conditions in Texas.
- Russell, James Earl.** The trend in American education. New York, Cincinnati, Chicago [etc.] American book company [1922] 240 p. 12°. (American education series, G. D. Strayer, general editor)
Contains a collection of 14 papers and addresses composed by Dean Russell on various occasions during the past 20 years. While the papers cover a wide range of topics, there is a unity among them determined by the author's vision of the ever enlarging scope of the American democratic system of education.
- Snedden, David.** What's wrong with the schools? *Educational administration and supervision*, 8: 273-91, May 1922.
Our systems of education are in a state of rapid evolution, which in some respects has gone wrong.

FOREIGN COUNTRIES.

- Barnett, Henrietta O.** Cooperative education. *Contemporary review*, 121: 629-35, May 1922.
Conditions in England described. Discusses cooperation between children and teachers; between teachers and parents; parents and children; educators and employer, etc.
- Brunschwig, Léon.** Un ministère de l'éducation nationale. 2d ed. Paris, Librairie Plon—Plon-Nourrit et cie., 1922. 94 p. 12°.
A study of school administration in France under the Republic.
- Chabot, C.** Education in France since the war. *Pedagogical seminary*, 29: 169-75, June 1922.
Says that technical education has been the object of special attention since the war.
- Educational activity in Poland.** *School and society*, 16: 213-14, August 19, 1922.
Mentions "a further step in the efforts toward unification of the Polish school system" as reported by the *New York Times*.
- Foster, Gregory.** London university. *Nineteenth century*, 92: 130-35, July 1922.
- Gray, Ernest.** Education and economy. *Nineteenth century*, 91: 944-52, June 1922.
Discusses education in England; educational grants; the education act of 1902 and its implications. Lays stress on education for character and citizenship.
- Household, H. W.** The need for a liberal education. *Contemporary review*, 122: 81-87, July 1922.
Conditions in England described; with particular emphasis on the educational theories and activities of Miss Charlotte Mason, at Ambleside.
- Learned, William S. and Sills, Kenneth C. M.** Education in the maritime provinces of Canada. New York, The Carnegie foundation for the advancement of teaching, 1922. 50 p. front. (map) 4°. (Bulletin no. 16)
Takes up general educational conditions, the common schools, and higher education, and outlines a suitable policy for the development of education in the maritime provinces.
- Mexico's educational progress.** *Nation*, 115: 122-23, August 2, 1922.
Describes Mexico's efforts to stamp out illiteracy; organization of the school systems, etc.
- Pearson, P. H.** Present school movements in Germany. *Educational review*, 64: 115-23, 218-26, September, October 1922.
- Reymert, Martin L.** Continuation schools in Norway, with a short outline of the new Norwegian national bill for compulsory continued education. *Pedagogical seminary*, 29: 176-86, June 1922.
- Sibley, Robert P.** In loco parentis. *Educational review*, 64: 1-6, June 1922.
Discusses the relation of the teacher to the pupil. Reviews conditions in public schools of England.
- Smith, Dora V.** England's problem of education for all. *School and society*, 15: 517-20, May 13, 1922.
"Secondary school education belongs to those who can pay for it; the free or elementary is for those who can afford nothing better."
- Slessor, A. K.** The cost of an Oxford career. *Nineteenth century*, 91: 1023-34, June 1922.
- Trimble, Andrew.** Open-air schools in Ireland. *Child (London)* 12: 321-26, August 1922. illus.
Discusses type of children taken, care, instruction, subjects taught, etc.
- Waugh, Alec.** The preparatory school. *Fortnightly review*, 112: 320-29, August 1922.
Life and conditions in England described.
- Wright, C. Hagberg.** The University of Padua. *Contemporary review*, 121: 596-602, May 1922.
Discusses the seventh centenary of the foundation of the university, and the history of the institution.

EDUCATIONAL THEORY AND PRACTICE.

- Batchelder, Nathaniel H.** An educational creed. *Harvard graduates' magazine*: 30: 459-65, June 1922.
Advocates a broad curriculum in private schools, as giving scope to many different types of mind; more elective studies; and a reasonable student participation in the government of the school.

- Bobbitt, Franklin.** Educational objectives. Los Angeles city schools. [Los Angeles, 1922] 25 p. 8°.
- Counts, George S.** Education as an individual right. *School and society*, 15: 433-37, April 22, 1922.
"There must be no place in the higher education for individuals who look upon that education as a right to which they are entitled."
- Cunningham, H. E.** Intelligence and social life. *American journal of sociology*, 28: 67-75, July 1922.
Says that intelligence, the only hope of an organized future, should be redefined in the light of present problems. Discusses also the place of intelligence in contemporary systems of philosophy.
- Flickinger, Roy C.** Scholarship and sex. *School and society*, 15: 602-5, June 3, 1922.
A frank discussion of the scholarship of both sexes.
- Goldberg, David.** The truistic lack in our education. *Forum*, 67: 499-505, June 1922.
Deplors the lack of cultural studies in our scheme of education.
- Kilpatrick, William H.** Method and curriculum. *Journal of educational method*, 1: 312-18, 367-74, April, May 1922.
An address delivered before the National conference on educational method in Chicago, March 1, 1922.
- Lott, Henry C.** Guiding principles in education. *American schoolmaster*, 15: 129-37, April 1922.
The aim of this article is to "call attention to the vast areas, and the far reaching implications, that are included in a philosophy of education."
- National education association.** Department of elementary school principals. First yearbook. 1922. Washington, National education association, 1922. 142 p. tables, diagrs. 8°.
Contains: 1. George Rugg: Visitation as a means of diagnosis, p. 7-11. 2. Leonard Powers: How to make visits profitable to teachers, p. 11-18. 3. Rose A. Carrigan: Rating of temporary teachers after a single supervisory visit, p. 19-24. 4. A. U. Jenkins: Measurement of teaching efficiency by means of standardized intelligence and educational tests, p. 25-34. 5. Rena C. Stebbins: The accomplishment quotient as an aid in supervision, p. 34-44. 6. Cora Campbell: The intelligence quotient as a means of classification in the lower grades, p. 45-49. 7. Jessica Marshall: Using the results of testing, p. 49-55. 8. B. B. Greenberg: Intelligence tests as a basis for re-classification, p. 55-58. 9. C. C. Krauskopf: The individual case—an administrative problem, p. 59-63. 10. Margaret H. Smith: Finding the individual—the Sutherland method of individual education, p. 64-69. 11. G. C. Kytte: An experiment in the education of gifted children in the first grade, p. 71-80. 12. H. W. Zirkle: Caring for the gifted child, p. 81-86. 13. Clifford Woody: Informal tests as a means for the improvement of instruction, p. 87-94. 14. W. F. Butler: Value of informal tests, p. 94-119. 15. The follow-up work of the principal—a collection of supervisory devices for the improvement of school work, p. 121-31.
- Piecsynaka, E., (Mme.)** Tagore éducateur. Neuchâtel, Paris, Delachaux & Niestlé S. A. [1922] 172 p. front. (port.) plates. 12°. (Collection d'actualités pédagogiques publiée sous les auspices de l'Institut J.-J. Rousseau et de la Société belge de pédotechnie)
Brings out the pedagogical principles and the educational work and plans of the Hindoo poet Rabindranath Tagore.
- Rice, William N.** The call to teach. *Christian education*, 5: 264-73, June 1922.
Talks about the work of a teacher of high grade and especially about the work of a college professor. Attention is called to the religious usefulness which may be achieved in the teaching profession.
- Robinson, James H.** The humanizing of knowledge. *Science*, n. s. 56: 89-100, July 28, 1922.
Discusses the extension of the critical faculty to all forms of knowledge; academic freedom; and the cultivation of the scientific spirit.
- Schelling, Felix E.** Some values—educational and others. *Pennsylvania gazette*, 20: 677-82, May 19, 1922.
An appraisalment of educational values. Address delivered before the Theta chapter of Pennsylvania, Phi Beta Kappa, at Franklin and Marshall college, Lancaster, June 7, 1921.
- Wright, Henry W.** Culture and the modern world. *Quarterly journal of the University of North Dakota*, 12: 263-78, April 1922.

EDUCATIONAL PSYCHOLOGY; CHILD STUDY.

Baldwin, Bird T. The relation between mental and physical growth. [n. p., 1922] p. 193-203. diags. 8°.

Reprint from the *Journal of educational psychology*, April 1922.

A study based on an examination of 2,500 children. Advocates making intensive consecutive studies throughout a series of years on the same individuals.

Franklin, Fabian. Is the tradition of "mental discipline" a delusion? *Independent*, 109: 39-40, August 5, 1922.

Upholds the theory of the value of "mental discipline," and criticizes the conclusions of modern psychologists on the subject.

Piffault, A. *Psychologie appliquée à l'éducation*. Paris, A. Colin, 1922. xvi, 618 p. illus. 12°.

Adapted to the use of the primary normal schools of France (programmes of 1920) and of the candidates for the *brevet supérieur*.

Seashore, Carl E., ed. *University of Iowa studies in psychology*, no. VIII. Princeton, N. J., and Lancaster, Pa. [1922] iv, 382 p. 8°. (Psychological review publications. Psychological monographs. vol. xxxi, no. 1. Whole no. 140, 1920)

CONTENTS: Wave phase in the open-air localization of sound, by C. E. Seashore.—The rôle of intensity in auditory wave phase, by H. M. Halverson.—The intensity logarithmic law and the difference of phase effect in binaural audition, by G. W. Stewart.—Measurement of acuity of hearing throughout the tonal range, by Cordia C. Bunch.—Measurement of auditory acuity with the Iowa pitch range audiometer, by B. F. Zuehl.—A stroboscopic device for measuring revolution rates, by B. F. Zuehl.—Visual training of the pitch of the voice, by C. J. Knock.—A survey of musical talent in a music school, by Esther A. Gaw.—The inheritance of specific musical capacities, by Hazel M. Stanton.—Voice inflection in speech, by G. N. Merry.—An experimental study of the pitch factor in artistic singing, by Max Schoen.—Voluntary control of the intensity of sound, by Dorothea E. Wickham.—A comparison of auditory images of musicians, psychologists and children, by Marie Agnew.—The auditory imagery of great composers, by Marie Agnew.—A pursuit apparatus: eye-hand coordination, by Wilhelmine Koerth.—The tapping test: a measure of motility, by M. J. Ream.—Serial action as a basic measure of motor capacity, by C. F. Hansen.

Thom, Douglas A. Habit clinics for children of preschool age. *Mental hygiene*, 6: 463-70, July 1922.

A discussion of preventative medicine as it is related to the care of children during the first five or six years of life.

PSYCHOLOGICAL TESTS.

Baldwin, Bird T. and Stecher, Lorie I. Mental growth curve of normal and superior children studied by means of consecutive intelligence examinations. *Iowa City, The University* [1922] 61 p. incl. diags. 8°. (University of Iowa studies in child welfare. vol. II, no. 1. [1st ser. no. 56. January 1, 1922])

Bliss, W. B. How much mental ability does a teacher need? *Journal of educational research*, 6: 33-41, June 1922.

Results based on tests made in Ohio. Writer places considerable reliance upon the validity of the Terman group test, although recognizing the limitations of group tests as absolute measures.

Dale, J. C., and Dale, A. B. A further criterion for the selection of mental test elements. *Journal of educational psychology*, 13: 267-76, May 1922.

Gates, Arthur I. The correlations of achievement in school subjects with intelligence tests and other variables. *Journal of educational psychology*, 13: 277-85, May 1922.

Concluded from April number. Says that other things being equal, the more verbal the material, the higher the correlation with school attainment.

Guller, Walter S. How different mental tests agree in rating children. *Elementary school journal*, 22: 734-44, June 1922.

An experiment made in the William McGuffey training school, Teachers college, Miami university. The study is based on four mental ratings of each of 63 children in the 6th, 7th and 8th grades of the training school. Concludes that mental measurements must not be accepted as the final gauge of mentality. But such tests render great service in selecting children of high and low mentality.

- Kallom, Arthur W.** Intelligence tests and the classroom teacher. *Journal of educational research*, 5: 389-99, May 1922.
Use of tests in making promotions; guiding pupils to choice of courses; organization of classes on a basis of mental ability, etc.
- Knight, Frederic B., and Fransen, Raymond H.** Pitfalls in rating schemes. *Journal of educational psychology*, 13: 204-13, April 1922.
Says that in the ratings of an individual upon himself in comparison with others in a group, there is a marked tendency of the individual to overrate himself.
- Kubo, Y.** The revised and extended Binet-Simon tests, applied to Japanese children. *Pedagogical seminary*, 29: 187-94, June 1922.
- Lewis, Burdette G.** Choosing a state official by mental tests. *American review of reviews*, 66: 171-76, August 1922.
Method adopted in New Jersey in selecting an official. The Princeton examination was used.
- Liu, Herman Chan-En.** Non-verbal intelligence tests for use in China. New York city, Teachers college, Columbia university, 1922. 5 p. l., 84 p. incl. tables, diagrs. 8°. (Teachers college, Columbia university. Contributions to education, no. 126)
- McCormack, Thomas J.** A critique of mental measurements. *School and society*, 15: 686-92, June 24, 1922.
Also separately reprinted.
A somewhat abridged version of a paper read before the Council of normal school presidents and principals, Department of superintendence, National education association, Chicago, February 25, 1922.
- Pintner, Rudolph, and Keller, Ruth.** Intelligence tests of foreign children. *Journal of educational psychology*, 13: 214-22, April 1922.
Tests made of kindergarten children, and of the first and second grades of three schools, in Youngstown, Ohio. The pupils were classified according to mental age: a revision of the Binet test being used. Writer concludes that children who hear "a foreign language at home, test lower as a rule when given the revisions of the Binet test than when given tests which require a minimum knowledge of English."
- Poull, Louise E.** Interests in relation to intelligence. *Ungraded*, 7: 145-58, 176-92, 200-22, April, May, June 1922.
A study of the relation of the mental status of school children to their motivation as shown in the choices of school plans and occupational preferences.
- Slawson, John.** The reliability of judgment of personal traits. *Journal of applied psychology*, 6: 161-71, June 1922.
A brief report of the results of a study made in cooperation with the Bureau of research of the Department of education of New York city, the purpose of which was to determine the possibilities of the order of merit method in evaluating personal traits of individuals engaged in a specific profession or work.
- Stormsand, Martin J.** The use of intelligence tests in a eugenics program. *Journal of applied sociology*, 6: 8-16, June-July 1922.
- Terman, Lewis M. [and others]** Intelligence tests and school reorganization. Prepared as a subcommittee report to the Commission on revision of elementary education, National education association, Dr. Margaret S. McNaught, chairman. Yonkers-on-Hudson, N. Y., World book company, 1922. viii, 141 p. 12°.
- Town, Clara H.** A mass mental test for use with kindergarten and first-grade children. *Journal of applied psychology*, 6: 89-112, June 1922.
An adaptation of the Binet-Simon intelligence scale to mass methods. Illustrated.
- Trabue, M. E.** Some pitfalls in the administrative use of intelligence tests. *Journal of educational research*, 6: 1-11, June 1922.
Says that teachers must recognize and train other types of ability than those measured by the present abstract intelligence tests.
- Witmer, Lightner.** What is intelligence, and who has it? *Scientific monthly*, 15: 57-67, July 1922.
Writer says that intelligence is a congenital though not an inherited endowment, and the amount of it can not be increased by training.

EDUCATIONAL TESTS AND MEASUREMENTS.

Chapman, J. Crosby. Convenience and uniformity in reporting nouns for school tests. *Journal of educational research*, 5: 406-20, May 1922.

Presents "a scheme of reporting test scores whereby, after the transition has been made from the crude score to the equivalent score, the latter bears, upon its face, an obvious and useful interpretation."

Pressey, Sidney L., and Pressey, Luella Cole. Introduction to the use of standard tests; a brief manual in the use of tests of both ability and achievement in the school subjects. Yonkers-on-Hudson, N. Y., World book company, 1922. vi, 263 p. 8°

An introductory handbook in the use of tests, which discusses their nature and gives the problems that may be dealt with profitably by means of tests, simple methods for the handling of test results, and common mistakes to be avoided.

Wagner, C. A. Standard tests as an instrument of supervision. *American school board journal*, 65: 41-42, 141-42, July 1922.

Gives a summary of supervisory values of standard tests.

SPECIAL METHODS OF INSTRUCTION.

PROJECT METHOD.

Blackmore, Beulah. A clothing project. *Journal of home economics*, 14: 430-32, September 1922.

Colvin, Carl. The home project in vocational agriculture. Issued by F. G. Blair, Springfield. Printed by authority of the state of Illinois. 1922. 86 p. plates. 8°. (Illinois. Board for vocational education. Bulletin no. 22.)

Kilpatrick, William H. What shall we seek from a history project? *Historical outlook*, 13: 215-16, June 1922.

Reprinted from *School and home*, March 1922, published by the Parents and teachers association of the Ethical culture school, New York city.

VISUAL INSTRUCTION.

Freeman, Frank N. Research versus propaganda in visual education. *Journal of educational psychology*, 13: 257-66, May 1922.

Concludes that there is "no justification for the adoption of the visual methods in exchange for those which are at present in use, on the basis of any wholesale conception of the superiority of vision."

Henry, Benjamin F. Vacation school. *Moving picture age*, 5: 8, August 1922.

The writer, a minister, combined the use of Bible films and nature-study films, and the enrollment in his daily Vacation Bible school grew from 43 to 91, with an average daily attendance of 78 throughout the term which covered the "latter part of May and the first part of June."

Shepherd, J. W. The teaching efficiency of the film. *Educational screen*, 1: 176-80, June 1922.

The teaching efficiency of a motion picture film is compared to the results obtained by a teacher in the classroom.

Weber, Joseph J. Comparative effectiveness of some visual aids in seventh grade instruction, Chicago, Ill., The Educational screen, inc., 1922. 131 p. figs., tables. 8°.

Submitted to the department of educational research and the faculty of the graduate school of Columbia university in partial fulfillment of the requirement for the degree of doctor of philosophy, December 1921.

OTHER METHODS.

Blyton, Enid. The Coué institute. *Teachers world* (London), 27: 822, July 26, 1922.

Discusses the educational side of the "new psychology" as propounded by M. Coué in his institute for the practice of auto-suggestion, in London.

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Hamaide, Amélie. La méthode Decroly. Neuchâtel, Paris, Delachaux & Niestlé S. A. [1922] xv, 208 p. front. (port.) plates, plans. 12° (Collection d'actualités pédagogiques publiée sous les auspices de l'Institut. J.-J. Rousseau et de la Société belge de pédotechnie.)

Describes the method of teaching children through play devised by Dr. Ovide Decroly, and employed by him and his collaborators in various schools of Brussels, Belgium.

Masson, Thomas L. Teaching children to teach themselves. World's work, 44: 410-14, August 1922.

Describes what is termed the Dalton laboratory plan of teaching, now being carried on by Helen Parkhurst, in the Children's university school, New York city. It is called the Dalton plan because it was first tried out at Dalton, Mass.

Parkhurst, Helen. Education on the Dalton plan. London, G. Bell and sons, Ltd., 1922. xvi, 214 p. front. (port.) forms. 12°.

"A psychological experiment." Some opinions from Infants school heads, of Miss Parkhurst's new adaptation of the Dalton plan for little children. . . Teachers world (London), 27: 819, July 26, 1922.

An article "A psychological experiment" by Miss Parkhurst appeared in the Teachers world for July 19, 1922.

SPECIAL SUBJECTS OF CURRICULUM.

READING.

Gates, Arthur I. A study of reading and spelling with special reference to disability. Journal of educational research, 6: 12-24, June 1922.

Writer states the purpose of the investigation as follows: "(1) To devise a technique for the diagnosis of disability in reading and spelling; (2) to discover the constituent factors involved in acquiring these functions by a study of both good and poor readers; (3) to ascertain causes of such disabilities as were found; and (4) to try out certain remedial forms of instruction."

Gray, Clarence Truman. Deficiencies in reading ability; their diagnosis and remedies. Boston, New York [etc.] D. C. Heath & Co. [1922] xiv, 420 p. illus., diagrs., tables. 12°.

La Rue, Daniel W. The shorthand alphabet and the reforming of language. Scientific monthly, 15: 271-81, September 1922.

Presents an original plan for adapting the shorthand alphabet to printing, and summarizes the results of an experiment in teaching children to read matter printed in this new form.

Leonard, Sterling Andrus. Essential principles of teaching reading and literature in the intermediate grades and the high school. Philadelphia, London, Chicago, J. B. Lippincott company [1922] 460 p. front., plates, diagrs. 12°. (Lippincott's educational guides, ed. by W. F. Russell.)

The ground covered by this study of the teaching of reading and of literature is from the third grade through the high school. It presents the fundamental principles of the subject, rather than the mechanics of reading, or classroom methods.

Selke, Erich, and Selke, G. A. A study of the vocabularies of beginning books in twelve reading methods. Elementary school journal, 22: 745-49, June 1922.

Study based on twelve different sets of readers, each series representing a more or less distinct method of reading.

Tidyman, W. F. The teaching of silent reading. Journal of educational method, 1: 404-14, June 1922.

HANDWRITING.

Houston, Harry. A six-year penmanship course. Elementary school journal, 22: 757-63, June 1922.

Says that penmanship teaching should be simplified by "eliminating movement exercises, reducing emphasis on position, penholding, and movement to simple common-sense rules that will conserve good health and promote ease in writing, and giving more emphasis to general legibility."

Willcockson, Mary. Handwriting in the primary grades. Elementary school journal, 22: 686-95, May 1922.

Describes the way in which primary handwriting is taught in the training department of the Oshkosh state normal school, Wisconsin. Gives type lessons.

ENGLISH AND COMPOSITION.

Abbott, Allan. The special function of the head of the department of English. *English journal*, 11: 272-82, May 1922.

To study the English situation as a whole and to help the teachers of his department to develop their fullest efficiency is the real function of the department's head.

Coxhead, G. E. S. Supplementary aids to classroom work. *Journal of education and School world*, 54: 353-56, June 1922.

Sixth article of series. Deals with the teaching of English.

Heckert, J. W. The effects of supervised study in English composition. *Journal of educational research*, 5: 368-80, May 1922.

Outlines the study made by Prof. Breed of the University of Chicago and others, under the auspices of the Michigan schoolmasters' club. Concludes that supervised study in English composition is valuable when teachers are able to direct children's efforts intelligently.

Kellogg, Annie F. An experiment to increase vocabulary. *English journal*, 11: 341-48, June 1922.

Description of an attempt to increase the vocabulary of pupils tried in the Demonstration school of Ohio Wesleyan university.

Laidley, Mary Fontaine. Our English--the new way. *West Virginia school journal and educator*, 51: 67-68, July-August 1922.

Notes the changes in the teaching of English in the last ten years.

St John, Charles W. The spelling of English by Porto Rican pupils. *Rio Piedras, P. R., The University*, 1922. 62 p. 8°. (University of Porto Rico. Bulletin no. 1, 1922.)

Stitt, Edward W. Modern school journalism. *American school board journal*, 64: 49-51, May 1922.

A school paper is one of the best means to establish a high degree of school spirit, according to this writer.

LITERATURE.

Erakine, John. Teaching literature: chapter two. *Bookman*, 56: 1-7, September 1922.

Nemiah, Royal Case. Shall we read literature in translation? *Educational review*, 64: 135-41, September 1922.

Asserts the impossibility of full appreciation of a work of literary art if read in translation. It is better, however, to read translations than not to read at all.

Quinn, Arthur H. American literature as a subject for graduate study. *Educational review*, 64: 7-15, June 1922.

Emphasizes the importance of the study of our own literature, based on a background of American history. Facts obtained from a study of the curricula of seventeen American colleges and universities.

ANCIENT CLASSICS.

Camburn, Bessie M. When Latin ears are deaf. *Classical journal*, 17: 438-45, May 1922.

Written for the Michigan schoolmasters' club, to show the results of some tests of Latin students' ability in English.

Lodge, Gonzales. A suggested curriculum in Latin for the six-year high school. *Teachers college record*, 23: 203-18, May 1922.

Delivered at the meeting of the American classical league, July 1921.

McDowall, Stewart A. Science and Greek. *Nineteenth century*, 92: 93-98, July 1922.

Advocates the study of Greek as an offset to specialization in science. Discusses the importance of Greek literature to the student.

Study of classics finds many advocates. *School*, 33: 897, August 31, 1922.

Quotes a number of eminent men, ex-presidents and other leaders of thought, on the value of the classics.

MODERN LANGUAGES.

Corf, Barry. Aims in the teaching of modern languages. *Modern language journal*, 6: 419-40, May 1922.

A study with especial reference to French.

Guérard, Albert Léon. - A short history of the international language movement. London, T. Fisher Unwin Ltd. [1922] 268 p. 8°.

MATHEMATICS.

Bingham, Eugene C. Are scientists encouraging popular ignorance? *Science*, n. s. 55: 664-67, June 23, 1922.

A discussion of the metric system. Contains a review of the recent report of the National industrial conference board.

Dougherty, Mary L. An experiment in teaching arithmetic in the third grade. *Elementary school journal*, 22: 665-76, May 1922.

Discusses the process commonly known as "carrying" or "adding" in addition and multiplication; "borrowing" in subtraction; and the similar process in division. An attempt to teach these processes inductively. Gives numerous examples.

Gertrude Aloysis, Sister. Practical application of the principles of arithmetic. *Catholic educational review*, 20: 411-15, September 1922.

"Children are interested in applied arithmetic only when the applications are suited to their tastes, activities or environment."

Goodwill, G. Modern developments in the teaching of mathematics. *Journal of education and School world*, 54: 338-40, June 1922.

Writer says that perhaps the most striking development that is at present in progress is the use of graphs in the teaching of mathematics.

Schwartz, A. J. The teaching of beginning geometry. *Mathematics teacher*, 15: 265-82, May 1922.

Storr, M. The teaching of arithmetic in theory and practice, including the beginnings of algebra and geometry. London, Sidgwick & Jackson, Ltd., 1922. vii, 135 [1] p. 12°.

"Books of reference": p. [136]

Terry, Paul Washington. How numerals are read; an experimental study of the reading of isolated numerals and numerals in arithmetic problems. Chicago, Ill., The University of Chicago [1922] - xiii, 109 p. diags., tables. 8°. (Supplementary educational monographs, pub. in conjunction with the *School review* and the *Elementary school journal*, no. 18, June 1922)

SCIENCE.

Bolton, P. Wireless telegraphy in relation to general scientific work in schools. *Journal of education and School world* (London) 54: 504-5, August 1922.

Foster, Frank K. Science in the accredited high schools of Washington. *School review*, 30: 424-30, June 1922.

Concludes that a standard course of study with a wide range of electives would increase the effectiveness of correlation between the secondary and collegiate institutions of the State.

General federation of women's clubs. Natural science and nature study in the schools. Dept. of applied education, chairman, Mrs. John D. Sherman. Division conservation of natural resources, chairman, Mrs. Francis E. Whitley. Washington, D. C., 1922. [33] p. 12°.

Page, John C. Biology: its educational value socially considered. *Education*, 42: 585-604, June 1922.

Says that elementary biology is a field of great potentialities for social service. Emphasizes the science from the viewpoints of sex education, sanitation, nature study, etc.

GEOGRAPHY.

Davis, William Morris. A graduate school of geography. *Science*, n. s. 56: 121-34, August 4, 1922.

Discusses among other subjects, the preparation of teachers of geography, geographical engineers, the standards and limits of geography, etc.

An address at the annual commencement of Clark university, Worcester, Mass., June 12, 1922.

Knowlton, Daniel C. The relation of geography to the social studies in the curriculum. *Historical outlook*, 13: 154-58, May 1922.

Snedden, David. Too much geography? *School and society*, 15: 546-50, May 20, 1922.

HISTORY.

Griffin, Eldon. The window of world history—and the educational vista. *Historical outlook*, 13: 196-204, June 1922.

MUSIC.

Gartlan, George H. The project method in harmony. Musical courier, 85: 43, August 10, 1922.

The author discusses "teaching harmony as a live school subject and not a dead issue."

Glenn, Mabelle. Motivation in the study of music literature. Musical courier, 85: 18-19, August 3, 1922.

The writer has had experience in training school-children of Kansas City, Mo., in music appreciation, and as director of music in the schools reports excellent results in cooperating with the St. Louis Symphony orchestra which gave six concerts to the children during the year.

ART EDUCATION.

Dorn, Emily M. How can public school art education develop poster artists? American school, 8: 169-72, June 1922.

"Public school art work must be based on principles and problems which will be basic in whatever line of endeavor the child may finally take his place."

Kline, Linus Ward, and Carey, Gertrude L. A measuring scale for free-hand drawing. Pt. I.—Representation. Baltimore, The Johns Hopkins press, 1922. 3 p. l. 61 p. incl. tables, diagrs., fold. plates. 8°. (The Johns Hopkins university studies in education no. 5. Ed. by E. F. Buchner.)

Laxon, R. D. Supplementary aids to classroom work: art. Journal of education and School world (London) 54: 517-20, August 1922.

Eighth article of a series. Discusses art under three headings: (1) Equipment; (2) methods of teaching (correlation with other subjects and art in school life); (3) aids from the world outside the school.

SAFETY.

Henig, Max S. Training the new generation how to work safely. National safety news, 6: 32-33, August 1922.

Discusses a course in accident prevention in the Essex County Vocational school for boys, West Orange, N. J.; also describes the organization of shop accident prevention committees and their training.

Hine, Howard M. Safety for school children. Child-welfare magazine, 17: 6-8, September 1922. illus.

Says the important thing is to educate the public—men, women and children.

Payne, E. George. Education in accident prevention, methods and results. Chicago, National safety council, 1922. 19 p. tables, diagrs. 23 x 10 cm.

Author states that instruction in accident prevention must be real education, not spasmodic, nor misdirected, but education in developing controls within the children themselves—habits, attitudes and ideals—that will carry over when they are left to direct their own energies.

Safety-first instruction a national issue. School, 33: 869, August 17, 1922.

Discusses the "Safety-first" campaign to be taken up in New York city by the Safety Institute of America, as announced by the director, Lawrence V. Coleman.

RURAL LIFE AND CULTURE.

Bartlett, Barbara H. Rural problems of child hygiene. Mother and child, 3: 308-14, July 1922.

Many of the farm problems in hygiene can be corrected by a general program of health education for the whole community.

Gillette, John Morris. Rural sociology. [Rev. ed.] New York, The Macmillan company, 1922. xii, 571 p. 8°.

Halsey, Abbie Fithian . . . The historical pageant in the rural community. Ithaca, N. Y., Cornell university, New York state college of agriculture, 1922. cover-title, p. 319-42, illus. 8°. (Extension bulletin 54, June 1922)

A discussion of the construction, presentation, music, costumes, committees, etc., of pageants for rural communities, designed to develop local history as well as a more sympathetic understanding between neighbors.

RURAL EDUCATION.

Butterfield, Kenyon L. Tests of good farming and good rural schools. *Tochne*, 5: 8-14, June 1922.

The author gives tests for good rural schools which he believes to be the most important to be met.

Butterworth, Julian E. Rural school survey of New York state; school buildings and grounds. Ithaca, N. Y., 1922. 131 p. plates, tables, diags. 12°.

Carney, Mabel. National responsibility for the improvement of rural schools. *School and society*, 16: 197-201, August 19, 1922.

Presented before the National education association, Boston, Mass., July 3, 1922.

Says the weakest link in our whole system of American education is the rural school, and discusses means for improvement.

Cook, Katherine M. The education of young children in rural communities. *School and society*, 16: 259-64, September 2, 1922.

Delivered before the Kindergarten department of the National education association, Boston, July, 1922.

Cubberley, Ellwood P. Rural life and education; a study of the rural-school problem as a phase of the rural-life problem. Rev. and enl. ed. Boston, New York [etc.] Houghton Mifflin company [1922] xv, 377 p. plates, illus., plans. 12°.

"A careful and complete revision, some of the chapters being rewritten, old data being corrected and brought up to date or eliminated, and some new textual matter and a number of new maps and pictures added."

Eaton, Theodore H. Rural school survey of New York state; vocational education. Ithaca, New York, 1922. 293 p. 12°.

Iowa state teachers college. Extension division. Surveying rural schools; organization, methods, results and comparisons, by Fred D. Cram. Cedar Falls, Iowa, Iowa state teachers college, 1922. 75 p. tables, diags. 8°. (Iowa state teachers college. Bulletin, vol. 23, no. 3, Part I, July 1922)

Keaveny, T. Leo. The rural problem and the Catholic school. Washington, D. C., 1922. 93 p. 8°.

Bibliography: p. 85-92.

Thesis (Ph. D.)—Catholic university of America, 1922.

Kruse, Samuel A. The opposition to the county unit. *School and community*, 8: 206-8, May 1922.

Lathrop, Edith A. What is a consolidated rural school? *Arkansas teacher*, 10: 7-8, May 1922.

New York (State) Joint committee on rural schools. Rural school survey of New York state; a report to the rural school patrons. Ithaca, N. Y., 1922. 272 p. plates, diags., tables. 12°.

Preliminary report, May, 1922. Chairman of joint committee on rural schools: George A. Works.

The school lunch in rural and urban districts, *American city*, 27: 43-47, July 1922.

Gives equipment for the rural school lunch; how to obtain supplies and like information.

Whitney, Clarence. Consolidation: its difficulties and their solution. *American schoolmaster*, 15: 216-22, June 15, 1922.

Williams, Oscar H., ed. Rural teacher training in Indiana, approved normal training courses for class A and class B professional certificates for rural teachers. Prepared under the direction of Benjamin J. Burris, state superintendent of public instruction. Indianapolis, Wm. B. Burford, contractor for state printing and binding, 1922. 28 p. 8°. ([Indiana. Dept. of public instruction.] Educational bulletin no. 55. Teacher training series no. 5)

SECONDARY EDUCATION.

Douglass, H. B., and Stetson, F. L. The junior high school; a manual of suggestions and standards for junior high schools in Oregon. Issued by J. A. Churchill, superintendent of public instruction. Salem, Ore., State printing department, 1922. 46 p. 8°.

- Franzen, Carl Gustave Frederick.** A comparison between general and special methods courses in the teaching of high school subjects. Iowa City, The University [1922] 36 p. incl. tables. 8°. (University of Iowa studies in education vol. II. no. 3. [1st ser. no. 58. March 1, 1922])
- Hamill, Joseph E.** The junior high school; its feasibility in the Catholic educational system. Washington, D. C., 1922. 108p. 8°.
Bibliography: p. 99-107.
Thesis (Ph. D.)—Catholic university of America, 1922.
- Hinchman, Walter S.** Private schools—their distinctive merits. Independent, 109: 76, August 19, 1922.
Discusses the opportunity of private schools for experimentation, for measurement, and for careful supervision of both study and play. But private schools do not always take advantage of this opportunity. Says that such schools do not "run wildly after the fetish of elective courses."
- Pringle, Ralph W.** Adolescence and high-school problems. Boston, New York [etc.] D. C. Heath & Co. [1922] x, 386 p. 12°.
- Rynearson, Edward.** Honor societies in secondary schools. School review, 30: 456-66, June 1922.
Says that student clubs, rightly guided, may become the means of intellectual, civic, and moral uplift of the student body.
- Thorndike, E. L., and Symonds, P. M.** The occupations of high-school graduates. School review, 30: 443-51, June 1922.
Study based on investigations made by Shalles, Mitchell, Combs, Inglis, Koons, etc., also data gathered by the authors.
- Wetherow, E. B.** Plans for obtaining higher efficiency and lower cost of maintenance of small high schools. Prepared under the direction of Benjamin J. Burris, state superintendent of public instruction. [Indianapolis, 1922] 11 p. ([Indiana. Dept. of public instruction.] Bulletin no. 56, 1922)

TEACHER TRAINING.

- McKenny, Charles.** Report of Committee on teachers' colleges. American schoolmaster, 15: 164-80, May 1922.
Report of the Committee on state teachers' colleges of the National council of education, of which the writer was chairman.
Discusses the scope of the teacher college movement and gives data concerning the practices and standards obtaining in these colleges.
- Plans for organizing township and city institutes for extension courses based on Reading circle studies.** Educator-journal, 22: 618-24, August 1922.
Part of a bulletin prepared by O. H. Williams, state supervisor of teacher training for Indiana under the direction of B. J. Burris, state superintendent.
- Russell, Charles.** The improvement of the city elementary school teacher in service. New York city, Teachers college, Columbia university, 1922. 3 p. l., 139 p. 8°. (Teachers college, Columbia university. Contributions to education, no. 128)
"Bibliography of city reports cited in the text:" p. 135-36.
- Smith, Homer J.** Industrial and vocational teacher training. Industrial-arts magazine, 11: 333-36, September 1922.
To be continued.
- Stivers, Charles G.** Need of standards of training for specialists, general practitioners and teachers of speech correction. Journal of the American medical association, 79: 533-34, August 12, 1922.
Says there are about 1,000,000 children with speech defects in the United States. Discusses the training of physicians to diagnose and treat these conditions.
- Swansen, H. G.** Aims in education for student teachers. Educational administration and supervision, 8: 297-302, May 1922.
Read before the National association of directors of student-teaching, Chicago, February 27, 1922.

TEACHERS' SALARIES AND PROFESSIONAL STATUS.

Bement, Howard. The amenities of schoolmastering. *Outlook*, 131: 296-99, June 14, 1922.

The privileges, rewards, and amenities of the teacher's profession described.

Bonner, H. B. The salaries and equipment of teachers in accredited high schools. *Educational review*, 64: 25-40, June 1922.

In this study the schools are divided into accredited, recognized, and nonaccredited high schools. The writer says that the accredited schools have lost 2 per cent of their experienced teachers; the recognized schools, almost 4 per cent; and the nonaccredited schools, over 11 per cent.

Salary outlook for high-school teachers. *School review*, 30: 414-23, June 1922.

In this investigation the average salary of 69,358 high-school teachers was found to be \$1,678 in 1921. "This average," says the writer, "is only \$381, or 22.4 per cent more than the average salary for beginners." Illustrated with diagrams.

King, Clyde L., ed. The ethics of the professions and of business. Philadelphia, American academy of political and social science, 1922. xi, 315 p. 8°. (*Annals of the American academy of political and social science*, vol. CI, no. 190, May 1922)

Contains: 1. G. G. Chambers: Codes of ethics for the teaching profession, p. 121-26. 2. F. S. Deibler: The principles of academic freedom and tenure of the American association of university professors, p. 127-38. 3. C. K. Bolton: The ethics of librarianship—a proposal for a revised code, p. 138-46. 4. A code of ethics for the teaching profession, adopted by the Pennsylvania state education association, December 1920, p. 281-83.

The ethics of librarianship, also in *Library journal*, 47: 549-50, June 15, 1922. Code of ethics of the Pennsylvania state education association, also in *Pennsylvania school journal*, 71: 11-12, September 1922.

Lathrop, Edith A. Teaching as a vocation for college women. *Arrow* (Official publication of the Pi beta phi fraternity), 38: 415-25, March 1922.

The writer gives five reasons why the teaching profession appeals to college women: (1) Some attractions of classroom teaching; (2) Teaching a stepping-stone to administrative and supervisory positions; (3) Upward movement of salaries; (4) Vacations offer attractive possibilities; (5) Service.

Lee, Edwin A. The need for a professional spirit. *School and society*, 15: 659-66, June 11, 1922.

*Address given before the Industrial teachers' section of the Bay section, California teachers' association, February 1922.

The actual profession of teaching in all that the real sense of the word implies is the topic of this plea.

HIGHER EDUCATION.

National association of state universities in the United States of America. Transactions and proceedings . . . regular annual meeting held at . . . New Orleans, November 7-8, 1921. 142 p. 8°. (Frank L. McVey, secretary-treasurer, University of Kentucky, Lexington, Ky.)

Contains: 1. E. A. Birge: Clerkship and merchandise, p. 9-22. 2. F. J. Yanes: The relation of state universities to Spanish American educational problems, p. 22-26. 3. P. H. Goldsmith: Official instruction in the countries of middle and southern America, p. 28-50. 4. T. F. Kane: Uniform methods of calculating the per capita cost of education, p. 53-68. 5. S. P. Capen: Resources of state universities, present and future, p. 91-99. 6. David Kinley: Advantages of state universities and their relation to the public, p. 99-110.

Accepted list of colleges and universities approved by the Association of American universities. Revised to January 1, 1922. *American Oxonian*, 9: 115-20, July 1922.

Allen, Frederick L. University and college publicity. *School and society*, 15: 485-89, May 6, 1922.

The value of educational publicity is unquestioned and it is the duty of all educational institutions to let the public know what they are doing.

Armstrong, Florence A. History of Alpha Chi Omega fraternity (1885-1921). 3d (rev.) ed. [n. p.] 1922. 418 p. illus. incl. ports. 8°.

Barrows, David P. What are the prospects of the university professor? [n. p., 1922] 16 p. 8°.

Clark, Thomas A. Shall I join a fraternity? *American boy*, 23: 9-10, 50-51, May 1922.

Gives excellent reasons for and against joining a fraternity.

Easter, D. B. Entrance requirements and degree credits in foreign languages. *Virginia teacher*, 3: 110-114, May 1922.

Paper read before the Association of Virginia colleges, February 1922.

Geiger, Joseph R. The honor system in colleges. *International journal of ethics*, 32: 398-409, July 1922.

Discusses the "honor system" as a method of student government at the College of William and Mary, Williamsburg, Va.

Hamilton college, Clinton, N. Y. Documentary history of Hamilton college. (Clinton, N. Y., Pub. by the college, 1922. 292 p. fac-sims. 8°.

Indiana. State teachers' training board. Official directory of normal schools and colleges in Indiana, 1921-1922. Issued by the State teachers' training board under the direction of Benj. J. Burris, state superintendent of public instruction. Indianapolis, W. B. Burford, printer [1922]. cover title, 179 p. 16°

Kelly, Robert L., ed. Colorado college; a study in higher education. New York, The Association of American colleges, 1922. 2 p. l., p. 205-339. incl. tables, diagrs. (part fold.) 8°. (*Association of American colleges, Bulletin*, vol. VIII, no. 5. May, 1922.)

Price, Lucien. Amherst: a liberal college. *Nation*, 114: 743-44, June 21, 1922.

Root, Edward W. Pictures and the college. *American magazine of art*, 13: 144-48, May 1922.

The exposition of graphic art is needed in colleges to focus the attention of the undergraduate upon the visible universe and read its signs with understanding.

Shideler, J. W. The junior college. *Kansas teacher*, 15: 12, 14-15, August-September 1922.

Discusses the history and development, purposes, problems, and future of the junior college.

COLLEGE ATTENDANCE.

Blakely, Paul L. The Jew at Harvard and elsewhere. *America*, 27: 214-15, June 17, 1922.

Ham, William T. Harvard student opinion on the Jewish question. *Nation*, 115: 225-27, September 6, 1922.

Summarizes the replies of a Harvard class in social ethics to the following examination question: "For the good of all persons concerned, is a college ever ethically justified in limiting to a certain percentage the number of any particular race who are admitted to the freshman class each year?"

McConn, Max. The freshman flood. *Survey*, 48: 299-305, May 27, 1922.

Contents that the rapid increase of college and university enrollments tends "to devitalize, by depersonalizing the whole process of higher education." It results in aloofness of the teachers from the students.

Quantity production in higher education. *Survey*, 48: 659-62, September 1, 1922.

Discusses the problems arising from the present greatly increased demands upon institutions of higher education. Considers two tendencies which manifest themselves in meeting these demands. The first of these is to limit the number of students. The second is a tendency to a centralization of organization and to a standardizing and mechanizing of the educational process. The writer advocates decentralization—the restoration of personal contact between the teacher and the student, and shows how he thinks this may be accomplished.

SCIENTIFIC RESEARCH.

Merriam, John C. Common aims of culture and research in the university. *Science*, n. s. 56: 263-69, September 8, 1922.

Presented as the annual address before Phi Beta Kappa and Sigma Xi, University of Pennsylvania, June 13, 1921.

Wood, Francis C. Research institutes and their value. *Science*, n. s. 55: 657-60, June 23, 1922.

An address delivered at the opening of the new laboratory building of the Collis P. Huntington memorial hospital, Harvard university, May 15, 1922.

FEDERAL GOVERNMENT AND EDUCATION.

Douglas, Paul H. Federal aid to education. *Educational review*, 64: 41-51, June 1922.

Advocates the enactment of the Towner-Sterling bill.

Inglis, Alexander. Federal policies in education. *American education*, 25: 396-402, May 1922.

The problems discussed are those concerning the policies to be followed with respect to federal subsidies and in the organization of federal agencies dealing with education.

Mahoney, Robert H. The Federal government and education, an examination of the federalization movement in the light of the educational demands of a democracy. Washington, D. C., 1922. iv, 80 p. 8°.

Thesis (Ph. D.)—Catholic university of America, 1922.

Taylor, Howard Cromwell. The educational significance of the early federal land ordinances. New York city, Teachers college, Columbia university, 1922. iv, 138 p. 8°. (Teachers college, Columbia university. Contributions to education, no. 118)

SCHOOL ADMINISTRATION.

Bruce, William George. The American school tax problem. *American school board journal*, 65: 49-50, 136, September 1922.

The eighth and final article of a series on the subject begun in the February 1922 number of the *Journal*.

Douglas, J. L. The problem of distribution [of state aid]. *Kentucky high school quarterly*, 8: 1-17, July 1922.

Suggests a "complete reorganization of our school finance," and advocates a study of the situation in Kentucky so as to develop a sound economic basis for financing the public schools.

Frasier, George W. The control of city school finances. Milwaukee, Wis., The Bruce publishing company [1922] 132 p. illus. 12°.

Halbrook, W. E. The big job of county superintendent. *Arkansas teacher*, 10: 11-12, April 1922.

The functions of the county superintendent are administrative, executive, and supervisory.

Kelley, James H. State aid for teachers' salaries. *Journal of education*, 96: 121-23, August 17, 1922.

Argues that "state support of teachers' salaries rightly administered, is found to stimulate local initiative, to equalize the burden of taxation, to spur negligent communities, and to go far toward accomplishing our splendid goal of public education—equality of opportunity."

Kraus, Lena H. Superintendent and school board member. *American school board journal*, 64: 37-38, May 1922.

Simpson, Alfred D. School surveys: certain guiding principles. *Connecticut schools (State board of education, Hartford)* 3: 3-6, May-June 1922.

Writer says that the views expressed in this article are the result of experience in the survey field combined with many practical suggestions from Prof. Frank E. Spaulding, director of the Department of education at Yale university.

Strayer, George D. The relation of administrative officers to boards of education. *American school board journal*, 65: 37-38, August 1922.

Read before the Department of school administration, Boston meeting of the N. E. A., July 1922.

Wilson, H. B., and Salisbury, Ethel I. The citizens' relation to the course of study. *Elementary school journal*, 22: 677-85, May 1922.

Describes the participation of pupils, teachers, supervisors, superintendent, and community in the formulation of courses of study in the elementary schools of Berkeley, Calif.

SCHOOL MANAGEMENT.

Bureau of educational research. Relation of size of class to school efficiency. Urbana, The University of Illinois, 1922. 39 p. tables. 8°. (Bulletin no. 10. Bureau of educational research. College of education.)

University of Illinois bulletin, vol. XIV, no. 45, July, 1922.

Cooper, John M. The leisure time of the school child. *Catholic educational review*, 20: 206-16, April 1922.

Franks, Thomas H. Supervised study in junior high-schools. *High school journal*, 5: 121-22, May 1922.

Shows that under this method pupils regarded as deficient in mathematical ability have turned out to be good average students in the subject.

Goaling, Thomas W. Supervision without a supervisor. [n. p., 1922] p. [-306]-311. 8°.

Reprinted from *The Journal of educational method*, vol. I, no. 8, April, 1922.

Describes the Madison (Wis.) plan of supervision, which places upon the principals of buildings the primary responsibility for the direction of the work of the teachers under their charge.

Kilpatrick, William H. Disciplining children. *Journal of educational method*, 1: 415-21, June 1922.

In the management of children the author asks if it is character or conduct that is sought, and shows that it is the former.

Leonard, Arthur H. Grading the pupils' work. *Historical outlook*, 13: 173-74, May 1922.

The author has evolved a new system of grading which he claims has produced excellent results.

McCormick, B. E. A study of failures. *School review*, 30: 431-42, June 1922.

A study of failures in the schools of La Crosse, Wis. Gives an outline of procedure for improving the conditions noted; which outline was put in the hands of each teacher.

Minor, Ruby. Making the courses of study. *Elementary school journal*, 22: 655-64, May 1922.

Contends that teachers should participate in the making of the course of study. Gives examples of such courses.

Monahan, A. C. School examinations. *Catholic school interests*, 1: 19-21, July 1922.

How the old system of ten test questions fails to establish fitness for promotion, with a few of its evils and their cause.

Updegraff, Harlan. Report of the committee on participation of teachers in management. *Elementary school journal*, 22: 783-88, June 1922.

Presented to the National Council, at the meeting of the Department of superintendence, February 1922.

SCHOOL BUILDINGS AND GROUNDS.

Butterworth, Julian E. Improving the school-building facilities of one- and two-teacher districts thru measurement. Ithaca, N. Y., Cornell university, New York state college of agriculture, 1922. cover-title, p. 219-33. 8°. (Extension bulletin 52, June, 1922)

Converse, Frank E. The new junior high schools of Beloit, [Wis.] *American school board journal*, 65: 53-55, 134, August 1922. illus.

Ittner, W. B. School architecture from a health viewpoint. *Nation's health*, 4: 375-78, June 1922.

Describes new type of school building which provides for physical well-being of children. Illustrated.

SCHOOL HYGIENE AND SANITATION.

American school hygiene association. Proceedings of the twelfth congress . . . Vol. IX. New York city, November 16-19, 1921. 187 p. 8°. (Harry B. Burns, secretary, Pittsburgh, Pa.)

Contains: 1. W. A. Howe: Greater efficiency in school health service, p. 15-24. 2. Arnold Gosnell: The significance of the pre-school age for school hygiene, p. 24-31. 3. J. C. Gebhart: Defective nutrition, p. 78-82. 4. R. E. Halsey: Heart disease among school children, p. 83-100. 5. C. E. Turner: Training teachers for health education, p. 123-33. 6. W. O. Thompson: The teeth as a cause of disease and disability, p. 134-41. 7. T. A. Sterey: The influence of the government upon hygiene, p. 148-66. 8. E. A. Doll: Psychiatry and psychology in school hygiene, p. 177-83.

Baker, S. Josephine. School health supervision based upon age and sex incidence of physical defects. *American journal of public health*, 12: 465-76, June 1922.

Gives history of school medical inspection in the United States; incidence of defects found among New York city school children in age periods by sex, etc.

Beard, J. Howard. Contribution of student health services to public health. *Journal of the American medical association*, 79: 274-77, July 22, 1922.

Says that the student's familiarity with the work of a health service has a high educational value.

Clark, Taliaferro. Nutrition in school children. *Journal of the American medical association*, 79: 519-24, August 12, 1922.

Discusses malnutrition among school children of New York and Philadelphia; relation of physical defects to underweight; nutrition work in relation to regular school routine.

Daniels, Amy L. Fighting malnutrition in Iowa rural schools. *Nation's health*, 4: 319-20, May 1922.

Discusses causes of malnutrition. Problem of supplying school children with warm meals. Gives menus for school lunches. Illustrated.

Harap, Henry. Results of a health program in a summer play school. *American journal of public health*, 12: 594-98, July 1922.

Describes the work of the Hudson Guild play school, New York City.

Hoeffler, Carolyn. Health program in the public schools of Joliet, Illinois. *Elementary school journal*, 22: 764-75, June 1922.

Sixth article of series on health instruction in the public schools.

Howatt, John. Temperature and humidity in our classrooms. *Chicago schools journal*, 4: 282-88, April 1922.

Howe, William A. Efficiency in school health service. *Educational review*, 61: 52-63, June 1922.

Concludes that greater efficiency is much needed in the physical examinations of school children. Says that too many rapid, superficial examinations are being made.

Hunt, Caroline L. School lunches. [Rev. ed.] [Washington, 1922] 25 p. illus. 8°. (U. S. Dept. of agriculture. Farmers' bulletin 712)

Mudge, Gertrude G. The evolution of a nutrition class program. *Journal of home economics*, 14: 421-24, September 1922.

Outline of the program included.

— An experiment with malnourished children. *Nation's health*, 4: 509-10, August 1922.

Experiment tried with two groups of children from New Jersey grammar schools, numbering 32 (boys and girls). The experiment, which included educational, nutritional, and health work, was conducted for a period of 12 weeks from December 1, 1921, to March 1, 1922.

North Carolina. Board of health. Five years of medical inspection of school children in North Carolina. By G. M. Cooper, M. D., director Bureau of medical inspection of schools . . . Raleigh, N. C., North Carolina state board of health, 1922. Cover-title, 64 p. illus. 12°. (Health bulletin. vol. 37, no. 4, April 1922)

This number contains special articles: Dr. T. Clark: Duties and responsibilities of the school nurse; C. M. DeForest: The children's crusade for health; O. J. Peterson: Making health teaching attractive; G. W. Holliday: Dentistry.

Palmer, George T. A new venture in school medical inspection. *American journal of public health*, 12: 599-602, July 1922.

Discusses a plan that is being tested in Detroit of having the teachers make preliminary examinations of the pupils, school medical inspectors checking only those referred to them.

Pierce, Norval H., and Theobald, John. Report on the condition of hearing in an average Chicago school. *Volta review*, 24: 295-97, August 1922.

Violle, H., and Merrill, Theodore C. Recent applications of the principles of nutrition. *American journal of public health*, 12: 568-74, July 1922.

Discusses the suggestive scheme of nourishment of children en masse originated by Dr. Clemens Pirquet, of Vienna. Illustrated.

Wedgwood, Harriet. The United States Bureau of education, Division of school hygiene. *Mother and child*, 3: 387-90, September 1922.

This is the first of a series of articles which describe the work of various health organizations and health activities of some of the government departments, to be concluded in the October issue.

Wood, Thomas D. Health work in the schools. *Journal of the National education association*, 11: 177-79, May 1922.

Children in rural schools have more uncorrected health defects than the children of the city's slums, according to this article.

PUBLIC HEALTH.

Cummings, F. L. Social surveys as a basis of instruction. *Elementary school journal*, 22: 750-55, June 1922.

Says that the blanks commonly used for church or social survey work are too cumbersome for educational purposes. It is more satisfactory to make survey plans for single topics. Gives an outline of survey plan on health and sanitation.

Meredith, Florence. The educational factor in public health. *Nation's health*, 4: 459-61, August 1922.

U. S. Public health service. The future of public health in the United States and the education of sanitarians. Report of a conference under the auspices of the United States public health service, Washington, D. C., March 14 and 15, 1922. Washington, Govt. print. off., 1922. 42 p. 8°. (Public health bulletin no. 124, May, 1922)

MENTAL HYGIENE.

Briggs, L. Vernon. Mental hygiene in its relation to present-day nursing. *Boston medical and surgical journal*, 186: 867-72, June 29, 1922.

Urges the importance of courses in psychiatry in nurses schools, especially in Massachusetts, where all physicians will be required to pass an examination in this subject, beginning with the year 1923.

Schwab, Sidney I. The rôle of mental hygiene in education. *Nation's health*, 4: 471-76, August 1922.

Contents that no educational attitude that ignores mental hygiene can be either "good, useful, or socially respectable." Among other things discusses the rôle of vocational guidance in education. Says that many cases of mental breakdown are due to the wrong selection of a trade or business.

PHYSICAL TRAINING.

Commercialism in college athletics. *School and society*, 15: 681-86; 16: 7-11, June 24, July 1, 1922.

Kilpatrick, William H. Certain moral and social aspects of college athletics. *American physical education review*, 27: 262-68, June 1922.

Mahin, Edward G. Science or athletics. *Science*, n. s. 55: 523-28, May 19, 1922.

Discusses the evils of professionalism in college athletics, and the "highly commercialized intercollegiate athletic system." A plea for better scientific training.

Metcalf, T. Nelson. Standards and tests in physical education. *American physical education review*, 27: 320-26, September 1922.

Read before the College directors' society, December, 1921.

Williams, Jesse Feiring. The organization and administration of physical education. New York, The Macmillan company, 1922. xiii, 325 p. diags., tables. 8°.

This book first gives the aims of modern physical education and their historical development. It then takes up the various problems of organization and administration of physical education in schools, colleges, city recreation systems, clubs, and in other connections.

PLAY AND RECREATION.

Armes, Ethel. A new world for the children. Activities that bring together children, teachers and parents. *Child-welfare magazine*, 17: 17-19, September 1922.

Community service in American towns and cities.

Sies, Alice Corbin. Spontaneous and supervised play in childhood. New York, The Macmillan company, 1922. xii, 442 p. front., illus. 12°.

Gives the records of various types of play activity observed by the writer in the Pittsburgh playgrounds, together with her interpretation of the educational meaning and value of each type.

SOCIAL ASPECTS OF EDUCATION.

Cobb, C. R., and Anderson, C. J. The new Bessemer grade and community school building. *American school board journal*, 65: 56-57, August 1922. illus.

Fox, Genevieve. The house that Peru built. *Playground*, 16: 226-27, August 1922. illus.

Describes the community house built at Peru, Indiana, which is worth \$25,000 and cost but \$5,000. "From start to finish the building was the product of community-wide effort."

Smith, Walter B. Reflections of an educational sociologist. *School and society*, 15: 541-46, May 20, 1922.

Has educational sociology started some years ago with much enthusiasm proved to be a scientific "fad." The author thinks not. He gives a program for the most extensive development of this study.

Snedden, David. *Educational sociology*. New York, The Century co., 1922. xii, 689 p. 8°. (The Century social science series.)

Contains bibliographies.

CHILD WELFARE.

American child hygiene association. Transactions of the twelfth annual meeting. New Haven, Conn., November 2-5, 1921. Albany, J. B. Lyon company, printers, 1922. 413 p. 8°. (Henry F. Helmholz, Rochester, Minn., secretary)

Contains: 1. Grace Abbott: Child welfare problems and standards, p. 13-21. 2. R. B. Osgood: Is there any evidence to suggest that poor posture bears any casual relation to poor health in children? p. 63-73. 3. Anne Sutherland: Teaching methods and equipment for the preschool child, p. 97-106.

National health council. Plays and pageantry. *Child-welfare magazine*, 17: 30-31, September 1922.

Describes health plays, where and how to use them, and includes a list of 25 plays.

Queen, Stuart Alfred. *Social work in the light of history*. Philadelphia and London, J. B. Lippincott company, 1922. 327 p. 12°. (Lippincott's sociological series, ed. by E. C. Hayes)

The writer endeavors to understand and present so much of the past of social work as may be needed to evaluate its present and to direct its future. Chapter IX of the book, p. 145-62, deals with the child welfare movement.

Woodbury, Helen Sumner. *The working children of Boston; a study of child labor under a modern system of legal regulation*. Washington, Government printing office, 1922. viii, 374 p. tables, partly fold. 8°. (U. S. Children's bureau. Publication no. 89)

This study aims to ascertain the amount, character, conditions, and effects of employment of children under 16 years of age in an American city of diversified industries and a considerable volume of trade, and in a state having comparatively advanced child-labor legislation. Various school aspects treated are Termination of school life, Work before leaving school, and Certification and the school.

MORAL EDUCATION.

Character education institution, Washington, D. C. *Character education methods. The Iowa plan, \$20,000 award, 1922*. Washington, D. C., Character education institution, 1922. vii, 46 p. fold. charts. 8°.

Churehill, J. A. *Moral instruction in the public schools through the story*. [Salem, Oreg., Dept. of public instruction] 1922. 15 p. 8°.

Norton, Susan W. *Moral education in the public schools*. *Education*, 42: 611-14, June 1922.

Third and concluding paper of series.

RELIGIOUS AND CHURCH EDUCATION.

- Athearn, Walter S.** The Indiana survey of religious education; summary and recommendations. [New York city, Committee on social and religious surveys, 1922] 39 [1] p. 8°.
- Cates, E. E.** A plea for the Bible in the schools. *Education*, 42: 611-14, June 1922.
A plea for Bible reading in the public schools.
- Clarke, James E.** Education for successful living. Philadelphia, The Westminster press, 1922. xiv, 152 p. incl. front., diagr. 12°.
- Denominational week-day plans. *Church school*, 3: 558-61, September 1922.
Official statements from denominational headquarters for September.
- Hally, P. J. M.** Observations upon the political status of the parish schools of Michigan. Columbus, Ohio, The Catholic educational association, 1922. 22 p. 8°. (The Catholic educational association. Bulletin, vol. XVIII, no. 4, August 1922)
- Kenberry, Charles S.** Motives and expression in religious education; a manual of worship, handwork, play and service. New York, G. H. Doran company [1922] 304 p. front., illus., music. 12°. (Motives and expression in religious education)
- Monahan, A. C.** Standardizing the Catholic schools. National Catholic welfare council bulletin, 4: 23-24, August 1922.
The Commission on standards of the Department of colleges and secondary schools has prepared a list of standard colleges consisting of 71 institutions, 45 for men and 26 for women. This list of standardized Catholic colleges is contained in the Annual proceedings of the Catholic educational association, issued usually in November.
- Ryan, James H.** A Protestant experiment in religious education. *Catholic world*, 115: 314-323, June 1922.
A discussion of the Week-day religious school.
- Smith, C. McLeod.** Practical co-operation in week-day religious education. Federal council bulletin, 5: 10, April-May 1922.
Shows the present working basis between the churches and the school board of Toledo, O.
- Smith, Herbert Heebner.** Church and Sunday school publicity: practical suggestions for using the printed word to extend the influence of the Gospel. Philadelphia, The Westminster press, 1922. 176 p. illus. 12°. Bibliography: p. 170-72.
- Week-day curriculum material. *Church school*, 3: 547-49, September 1922. illus.
Comments: I. G. A. Coe, Types of material; II. G. A. Coe, Material to use in New York city; III. J. M. Artman, How to determine the value of a curriculum.
- Zollmann, Carl.** The constitutional and legal status of religion in public education. *Journal of religion*, 2: 236-44, May 1922.

MANUAL AND VOCATIONAL TRAINING.

- Crowell, John.** What of vocational education for industry? *School and society*, 16: 1-7, July 1922.
Gives arguments for and against industrial training.
- Davis, James J.** Teach your child a trade. *Outlook*, 131: 601-3, August 9, 1922.
Emphasizes the work at "Mooseheart" in the vocational education of children. Necessity for skilled workmen, etc.
- Edgerton, Alanson H.** Industrial arts and prevocational education in intermediate and junior-high schools. Milwaukee, Wis., The Bruce publishing co. [1922] 104 p. illus.; diagr. 12°.
- Gambrill, Beaulé Lee.** College achievement and vocational efficiency. New York city, Teachers college, Columbia university, 1922. vii, 100 p. incl. tables. 8°. (Teachers college, Columbia university. Contributions to education, no. 121)
- Geer, William C.** The school product and industry. *Educational review*, 64: 142-52, September 1922.
Shows in what way the product of the American school and college has failed to fit into industrial life.

- Holt, William Stall.** The Federal board for vocational education; its history, activities and organization. New York, London, D. Appleton and company, 1922. xi, 74 p. 8°. (Institute for government research. Service monographs of the United States government, no. 6)
Bibliography: p. 68-71.
- MacDonald, D. J.** Trade and industrial education and industrial arts. Industrial arts magazine, 11: 209-13, June 1922.
- McKee, Jane W.** Purposeful handwork. Illus. by Charles W. Cooper. New York, The Macmillan company, 1922. xiii, 108 p. illus. 12°.
- Smith, Z. M.** Club and vocational training in farming and home-making in Fountain county. Prepared under the direction of Benjamin J. Burris, state superintendent of public instruction. Indianapolis, Wm. B. Burford, 1922. 31 p. illus. 8°. (Indiana. Dept. of public instruction. Educational bulletin no. 54. Vocational series no. 22)
- Svensen, Carl L.** Mechanical drawing for high schools. Graphical thought. Industrial arts magazine, 11: 347-60, September 1922.
Discusses hours per week, topics to be covered, the influence exerted by college courses upon the high-school course, best method of teaching, efficiency of attainment tested, correlation of drawing with other subjects, etc.
- U. S. Federal board for vocational education.** Part-time schools; a survey of experience in the United States and foreign countries, with recommendations. April 1922. Issued by the Federal board for vocational education, Washington, D. C. Washington, Govt. print. off., 1922. xi, 462 p. tables. 8°. (Bulletin no. 73. Trade and industrial series no. 22)

VOCATIONAL GUIDANCE.

- Dearborn, Ned H.** A study in normal school guidance. School and home education, 41: 118-22, February-June 1922.
The question of vocational guidance applied within the profession.
- Douglass, Aubrey A.** Vocational interests of high-school seniors. School and society, 16: 79-84, July 15, 1922.
Summary of a study made under the auspices of the Department of General extension of the State college of Washington in cooperation with the United States Bureau of education.
- Fryer, Douglas.** Occupational-intelligence standards. School and society, 16: 273-77, September 2, 1922.
An attempt to furnish occupational-intelligence standards for vocational counseling and occupational selection; list of occupations with respective intelligence requirements included.
- Kornhauser, A. W.** The psychology of vocational selection. Psychological bulletin, 19: 192-229, April 1922.
Gives the recent history and present status of vocational selection in industry. Reviews the various psychological tests to determine vocational ability in vogue to-day. Contains an extensive bibliography of the subject.
- Leavitt, Frank M.** Vocational education in relation to the junior high-school. Industrial education magazine, 24: 39-41, August 1922.
Discusses those phases of vocational education which fall within the limits set by the Smith-Hughes act.
- Stolberg, Benjamin.** Vocational guidance; a study in the predicament of public education. Nation, 114: 717-18, June 14, 1922.
Contends that at present vocational education does not educate for modern industry and that vocational guidance cannot guide "in the growing chaos of competitive society."

WORKERS' EDUCATION.

- Davenport, Frederick M.** The educational movement among American workers. Outlook, 131: 375-78, June 28, 1922.
- Odenrants, Louise C.** Personnel work in America. Personnel administration (formerly Corporation training and personnel) 10: 5-15, August 1922.
Substituting the word "personnel" for "welfare" worker has been a significant feature of the welfare or personnel movement in industry in the United States.
Discusses training for personnel management briefly, also organization, administration, scope, etc., of personnel work.

AGRICULTURE.

New Jersey. Dept. of public instruction. Agriculture in the high school. Does it pay? Trenton, 1922. 38 p. illus. 8°.

HOME ECONOMICS.

Hanna, Agnes K. Home economics in the elementary and secondary schools. Boston, Whitcomb & Barrows, 1922. v, 227 p. 12°.

COMMERCIAL EDUCATION.

Bakerach, William. College entrance credits for technique commercial subjects. American shorthand teacher, 2: 417-18, August 1922.

Towne, Blanche M. An individual curve of learning: a study in typewriting. Journal of experimental psychology, 5: 79-92, April 1922.

PROFESSIONAL EDUCATION.

MEDICINE.

American medical association. Council on medical education and hospitals. Medical education in the United States: Annual presentation of educational data for 1922. Journal of the American medical association, 79: 629-59, August 19, 1922.

Statistics of medical colleges in United States and Canada; distribution of medical students by states; essentials of an acceptable medical college classification of colleges; entrance requirements, etc.

Report. Journal of the American medical association, 78: 1627-36, May 27, 1922.

Also in part in Federation bulletin: 8: 149-76, July 1922.

This report was presented at the seventy-third annual session of the Association, St. Louis, May 23-26, 1922. It gives the present status of medical education; new problems in medical education and practice, etc. Contains diagrams and statistics.

Foreign medical colleges. Federation bulletin, 8: 194-200, August 1922.

This list, revised to August 15, 1922, has been prepared from data collected by the Council on Medical Education and Hospitals.

Federation bulletin is the organ of the Federation of state medical boards of the United States.

Greene, Roger S. Medical education in China. Chinese students' monthly, 17: 653-58, June 1922.

Sabin, Florence B. The extension of the full-time plan of teaching to clinical medicine. Science, n. s. 56: 149-56, August 11, 1922.

"The full-time plan in clinical medicine substitutes research to be associated with teaching, instead of the practice of medicine."

Welch, S. W. Training in sociology and public health an essential in medical education. Journal of the American medical association, 79: 342-43, July 29, 1922.

NURSING.

Hunter, Estelle B. Office administration for organizations supervising the health of mothers, infants, and children of preschool age, with special reference to public health nursing agencies. Washington, Government printing office, 1922. viii, 216 p. 8°. (U. S. Children's bureau. Bureau publication no. 101)

Rockefeller foundation. Committee on nursing education. Report. Nation's health, 4: 408-15, July 1922.

Also in part in American journal of nursing, 22: 822-54, August 1922.

This committee was first appointed by the foundation in January, 1919, to conduct a study of "the proper training of public health nurses." In February, 1920, the scope of the inquiry was broadened to include a study of general nursing education.

Stewart, Isabel M. Some fundamental principles in the teaching of ethics. American journal of nursing, 22: 906-13, August 1922.

THEOLOGY.

- Moxcey, Mary E.** Some qualities associated with success in the Christian ministry. New York city, Teachers college, Columbia university, 1922. 4 p. l., 107 p. incl. tables, diagrs. 8°. (Teachers college, Columbia university. Contributions to education, no. 122)

ENGINEERING EDUCATION.

- Society for the promotion of engineering education.** Proceedings of the twenty-ninth annual meeting held at Yale University, New Haven, Conn., June 28-July 1, 1921. Pittsburg, Pa., Office of the secretary, 1922. 191 p. 8° (F. L. Bishop, secretary, Pittsburg, Pa.)
Contains: 1. M. E. Cooley: Some homely ideals of education, p. 25-35. 2. J. E. Otterson: College education as related to industry, p. 56-59. 3. W. H. Burr: Some features of engineering education, p. 64-76. 4. J. W. Hallock: Some results of the coöperative system, p. 85-91. 5. P. H. Daggett: Student government and the honor system, p. 94-100.
- Bode, Boyd H.** Liberal and professional education. Engineering education, 12: 461-69, June 1922.
Contrasts cultural education and technical education, with especial emphasis on engineering.
- Chasey, Charles E.** Teaching: an address to engineering instructors. School and society, 16: 253-58, September 2, 1922.
Paper read at the meeting of the Society for the promotion of engineering education, Urbana, Ill., June 20-23, 1922.
- McClelland, E. H.** Instruction of students in the use of technical literature: an unexploited phase of engineering education. Engineering education, 12: 407-20, May 1922.
Discusses library methods as an aid to students of engineering.

HIGHWAY ENGINEERING.

- John, Walton C.** Education for highway engineering and highway transport, 1921-1922. Washington, D. C., American automobile association, 1922. 19 p. 8°.
Reprinted from the Highways green book.
- Nagle, J. C., ed.** Proceedings of a regional conference for the study of highway engineering and highway transport held at the Agricultural and mechanical college of Texas, in cooperation with the Highway and highway transport education committee, United States Bureau of education, February 6 and 7, 1922. College Station, Texas, Pub. by the college, 1922. 72 p. 8°. (Bulletin of the Agricultural and mechanical college of Texas, 3d series, vol. 8, no. 5, May 1, 1922)
Contains: 1. W. C. John: Problems of the Highway and highway transport education committee, p. 26-32. 2. W. B. Blizzell: Higher education and good roads, p. 44-45. 3. Maggie W. Barry: Good roads and rural schools, p. 45-48.

CIVIC EDUCATION.

- Lapp, John A.** Education for citizenship. Catholic school interests, 1: 8-9, May; 12, 26, June 1922.
First article expresses the possibilities and need for civic training in Catholic schools. The second gives an outline of what should be accomplished by the civics course in the grade school.
- McAndrew, William.** The schoolman's loins. Educational review, 64: 93-114, September 1922.
An exhortation to schoolmen to gird up their loins and attend to their duty of making the public schools train their pupils to become good citizens of the American democracy.
- Snedden, David.** Civic education; sociological foundations and courses. Yorkers-on-Hudson, N. Y., World book company, 1922. xiii, 333 p. 12°.
The writer finds that America has little of purposive civic education in the schools of various grades at present, and that the country needs more and better education for citizenship.

EDUCATION OF WOMEN.

- Bureau of vocational information, New York:** Women in chemistry; a study of professional opportunities . . . New York city, The Bureau of vocational information, 1922. xvi, 272 p. 8°. (Studies in occupations no. 4)
- Dodd, Marion E.** What college girls read. Publishers' weekly, 101: 1741-43, June 17, 1922.
Says that "on the whole the college girl is reading good things," but valuable time is wasted by the lure of current fiction.
- The expenses of women college students.** A survey of 114 colleges and universities. Prepared under the auspices of the Education committee of the College club of St. Louis, St. Louis branch of the American association of university women. Compiled by Helen Tredway Graham, Carol Munro Sheldon, Norma E. Burge, Mary Relihan Brown. [St. Louis?] Published by the American Association of University Women, 1922. [8] p. tables. 1°. Figures include catalog expense, extra-catalog expense, and a grand total of both catalog and extra-catalog expense.
- Goodspeed, Helen C.** The part-time girl. School and society, 15: 489-94, May 6, 1922.
"Give her ideals and tastes that will elevate her pleasures and make wholesome her dream life; and her vocational success will take care of itself."
- Hibbard, C. A.** Studies in Southern literature; a program for women's clubs. Chapel Hill, N. C., The University, 1922. 40 p. 8°. (University of North Carolina. Extension bulletin vol. I, no. 12, April 1, 1922)
- Found, Louise.** Graduate work for women. School and society, 15: 573-78, May 27, 1922.
- Scharlieb, Mary.** The medical education of women. Nineteenth century, 92: 317-29, August 1922.
Describes medical education and opportunities for women in Great Britain.
- Snow, Bonnie E., and Froehlich, Hugo B.** A hundred things a girl can make. Philadelphia and London, J. B. Lippincott company [1922] v, 147 p. illus. 12°.
- Van Waters, Miriam.** Where girls go right. Survey, 48: 361-76, May 27, 1922.
Describes the state correctional schools for girls and young women in various states of the Union. Illustrated.
- Welch, William H.** Contribution of Bryn Mawr college to the higher education of women. Science, n. s. 56: 1-8, July 7, 1922.

INDIAN EDUCATION.

- Garth, Thomas R.** A comparison of mental abilities of mixed and full blood Indians on a basis of education. Psychological review, 29: 221-36, May 1922.
Says that the mixed blood Indians excel the full bloods by about 11 per cent in performing tests of higher mental processes.

NEGRO EDUCATION.

- Frazier, Edwin Franklin.** Danish people's high schools and America. Southern workman, 51: 425-30, September 1922.
Describes the extended people's high school at Askov, Denmark, and discusses the possible value of similar schools in the Southern states.
- Hammond, Lily H.** In the vanguard of a race. New York, Council of women for home missions and Missionary education movement of the United States and Canada [1922] 176 p. front., plates, ports. 12°.
- McDougald, Gertrude E.** Vocational guidance for negro children. Southern workman, 51: 359-62, August 1922.
Work of public schools of New York city described: Vocational training and guidance of negroes.
- Williams, W. T. B.** Educational conditions among colored people. Southern workman, 51: 409-12, September 1922.

EDUCATION OF DEAF.

Young, Irene Boehler. Teaching the little deaf child at home. Social progress, 6: 317-19, September 1922. illus.

A number of suggestions for games and occupations adaptable for training sight, memory, sense of touch, smell, taste, general development, and observation.

EXCEPTIONAL CHILDREN.

Clark, Willis W. Whittier scale for grading juvenile offenses. Whittier, Cal., (California bureau of juvenile research, Whittier state school, 1922. cover-title, 8 p. fold. forms. 12°. (California bureau of juvenile research. Bulletin no. 11)

Clothier, E. W. Problems of retardation and acceleration. Arizona teacher and home journal, 10: 14-19, May 1922.

Gives a proposed preparatory course for a high school.

Fernald, Walter E. The inauguration of a state-wide public-school mental clinic in Massachusetts. Mental hygiene, 6: 471-86, July 1922.

The object of this clinic is not to discredit the backward child in any way, but to find his capacity for training, his probable rate of progress, his personal handicaps or special abilities, etc. Inquiry is made not only as to a pupil's mental qualifications but as to his physical condition, home conditions, personal history, social and moral reactions.

Greene, James S. National hospital for speech disorders. Volta review, 24: 223-27, June 1922.

Discusses the establishment and activities of the National hospital for speech disorders, New York city. This institution is the outgrowth of the New York clinic for speech disorders.

LIBRARIES AND READING.

Bostwick, Arthur E. The church and the library. Bookman, 55: 337-41, June 1922.

Speaks of the lack of sympathy and cooperation between the church and the library in the past, and says that librarians cannot be the universal educators that they aspire to be without working with and toward religion.

Osgrove, Helen W. The stimulation of outside reading among high-school pupils. Publishers' weekly, 102: 176-79, July 22, 1922.

Paper read at the meeting of the Library department, National education association, at Boston, July 1922.

Hall, Wilbur. Treasures of time; what Henry E. Huntington has given to the people, of literature and art of the past and present. World's work, 44: 319-23, July 1922.

A description of the library and art gallery, one of the world's greatest collections of literary and artistic treasures, recently presented to the public, in southern California, by the founder, Mr. Huntington.

Melcher, Frederic G. "The child's own reading." Publishers' weekly, 102: 179-81, July 22, 1922.

Paper read at the meeting of the Library department, National education association, at Boston, July 1922.

Miller, Olive B. Right reading for children. Child-welfare magazine, 16: 220-24, May 1922.

Article written from the viewpoint of a mother.

National education association. Library department. Graded list of books for children, prepared by the Elementary school library committee. Chicago, American library association, 1922. 235 p. 12°.

A graded list of about 850 books, with descriptive notes, and a title and subject index.

Reeder, Charles Wells. Psychological tests in library examinations. Library journal, 47: 717-18, September 1, 1922.

Describes an attempt made to apply one of the forms in the army psychological tests used during the war, in the final examination following use of the bibliography courses at the Ohio State university library.

Wilcox, E. V. Why do we have librarians? Harvard graduates' magazine, 30: 477-91, June 1922.

Criticizes the work of reference librarians in public and other great libraries. Says that librarians should be full-fledged staff workers in whatever organization they are serving.

BUREAU OF EDUCATION: RECENT PUBLICATIONS.

- Administration of schools in the smaller cities; by Walter S. Deffenbaugh. Washington, 1922. 75 p. 8°. (Bulletin, 1922, no. 2)
- Chicago public high school course in retail selling and advertising; prepared by Mildred Robinson, Mrs. Louise Schaeffer, Glen Bentley, and Fannie Arms . . . under supervision of William Bachrach. Washington, 1922. 5 p. (Commercial education leaflet no. 1)
- Consolidation of schools in Maine and Connecticut. Washington, 1922. 12 p. (Rural school leaflet no. 4)
- The district owned or controlled teacher's home; by J. C. Muerman. Washington, 1922. 19 p. 8°. (Bulletin, 1922, no. 16)
- Dormitories in connection with public secondary schools; by Edith A. Lathrop. Washington, 1922. 36 p. 8°. (Bulletin, 1922, no. 12)
- Educational directory, 1924-1922. Washington, 1922. 142 p. 8°. (Bulletin, 1921, no. 48)
- Engineering education after the war; by Arthur M. Greene. Washington, 1922. 27 p. 8°. (Bulletin, 1921, no. 50)
- Home economics in rural schools. Washington, 1922. 15 p. (Home economics circular no. 13)
- List of references on Rural life and culture; prepared in the Library division, Bureau of education. Washington, 1922. 10 p. (Library leaflet no. 16)
- List of references on Vocational education; prepared in the Library division of the Bureau of education. Washington, 1922. 20 p. 8°. (Library leaflet no. 15)
- Major projects in the elementary schools; by Florence C. Fox. Washington, 1922. 43 p. 8°. (Bulletin, 1921, no. 36)
- Modern equipment for one-teacher schools; by Maud C. Newbury. Washington, 1922. 11 p. (Rural school leaflet no. 3)
- Record of current educational publications; comprising publications received by the Bureau of education to May 15, 1922. Washington, 1922. 42 p. 8°. (Bulletin, 1922, no. 21)
- Reorganization of home economics in secondary schools. A report of the Commission on the reorganization of secondary education, appointed by the National education association. Washington, 1922. 38 p. 8°. (Bulletin, 1922, no. 5)
- Report on the higher educational institutions of Arkansas; by George F. Zook. Washington, 1922. 18 p. 8°. (Bulletin, 1922, no. 7)
- Review of educational legislation, 1919 and 1920; by William R. Hood. Washington, 1922. 30 p. 8°. (Bulletin, 1922, no. 13)
- Salaries of teachers and of principals in certain cities. Washington, 1922. 14 p. (City school leaflet no. 1)
- Standards in graduate work in education; by Leonard V. Koss. Washington, 1922. 18 p. 8°. (Bulletin, 1921, no. 38)
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- State policies in public school finance; by Fletcher H. Swift. Washington, 1922. 54 p. 8°. (Bulletin, 1922, no. 6)
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