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BIBLIOGRAPHY OF THE RELATION OF SECONDARY SCHOOLS TO HIGHER EDUCATION

Compiled by
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LETTER OF TRANSMITTAL.

DEPARTMENT OF THE INTERIOR,
BUREAU OF EDUCATION,
Washington, D. C., December 12, 1913.

SIR: Within recent years there has been an extensive discussion of the relation of secondary to higher education and of the high school to the college. With an increase in the number of high schools and high-school students, and with the awakened desire for a greater economy in education and more definite standards, this relation has become still more important. That future discussions of the subject may the more certainly lead to valuable and practical results, there is need for some comprehensive bibliography of it, such as that transmitted herewith for publication as a bulletin of the Bureau of Education. This bibliography was compiled by Mr. Raymond Lowrey Walkley, of the New York State Library School, and was completed and brought up to date by him while he was a member of the Library Division of this bureau.

Respectfully submitted.

P. P. CLAXTON,
Commissioner.

The SECRETARY OF THE INTERIOR.

PREFATORY NOTE.

In the preparation of this bibliography the aim has been to include only discussions of the subject, and not purely formal documents and reports, such as statements of entrance requirements or recommended courses of study, except when these are arranged in comparative form, or accompanied by a valuable discussion. No attempt has been made to include material relating to particular institutions, and for this reason college, city, and State reports have not been examined.

Nearly all the material published within the past 10 years has been included; in relation to articles published before that time, care has been taken to make the list select, and only the most accessible and important of the older articles have been included. On this account recent articles are more fully annotated, especially where the title does not seem to define the scope sufficiently.

The articles are grouped by subject, and in each division the arrangement is chronological, in order to show as far as possible the historical development of interest. This brings the latest articles on the subject at the end of each division.

BIBLIOGRAPHY OF THE RELATION OF SECONDARY SCHOOLS TO HIGHER EDUCATION.

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2. References on convocation topics: what do the colleges want of the secondary schools? *In* New York (State). University. University convocation. Proceedings, 1895. p. 965-66. *Also in its* Annual report of the Regents, 1895. v. 2, p. 965-66.
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4. **Broome, E. C.** Bibliography. *In his* Historical and critical discussion of college admission requirements. 1903. p. 153-57.
   References not specific.
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   p. 31-35, High school and college.
6. **Harvard university. Associated Harvard clubs.** Selected list of articles dealing with examination system and the inspection and certificate system of admission to college. *In its* Relation of Harvard university to schools for secondary education. 1906. Appendix 2, 16 p.
   Lists and reviews 31 articles on both sides.
7. **National education association.** Bibliography of topics from 1857-1907. *In its* Fiftieth anniversary volume. 1906.
   College-entrance requirements, p. 672. Higher education—colleges and universities, p. 687-90. Secondary education—high schools, p. 720-21.
8. **Brown, J. F.** References [on the function of the high school]. *In his* American high school. 1909. p. 85-89.
   Includes the relations of the high school to elementary and higher schools, to the pupil, and to the state.
9. The articulation of high school and college. References to recent publications. *In* U. S. Bureau of education. Report of the Commissioner, 1910. v. 1, p. 29-32.
   List of 50 articles and papers published 1908-1910.
10. **Brown, E. E.** Bibliography. *In his* Making of our middle schools. 1910. p. 481-518.
11. **Moore, F. W.**, *comp.* The administration of the certificating system of admission into college: bibliography. *In* Association of colleges and preparatory schools of the Southern states. Proceedings, 1910. p. 78-81.
12. **Henderson, J. L.** Bibliography. *In his* Admission to college by certificate. 1912. p. 170-71.
13. **Carpenter, G. R., Baker, F. T., *and* Scott, F. N.** Bibliography: college entrance requirements. *In their* Teaching of English in the elementary and the secondary school. New ed. 1913. p. 283, 347-50, 377-78.

II. GENERAL.

(1845-1889.)

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15. **Hammond, Charles.** New England academies and classical schools. American journal of education, 16: 403-29, September 1866. *Also in* U. S. Bureau of education. Report of the Commissioner, 1867-68. p. 403-29; Massachusetts. Board of education. 40th annual report, 1875-76. appendix, p. 182-207.
16. **Barnard, F. A. P.** On the studies proper to be pursued preparatory to admission to college. *In* New York (State). University. University convocation. Proceedings, 1866. p. 29-52. *Also in its* Annual report of the Regents, 1867. p. 579-602.
17. **Edson, H. K.** The academy and its relation to the college. Congregational review, 11: 50-63, January 1871.
    Compares academy and high school training.
18. Relation of secondary schools to the colleges and schools of science. *In* U. S. Bureau of education. Report of the Commissioner, 1873. introduction, p. 48-54.
19. **Bancroft, C. F. P.** The relations of the colleges and the secondary schools. *In* New York (State). University. University convocation. Proceedings, 1874. p. 165-73. *Also in its* Annual report of the Regents, 1875. p. 695-703.
20. **Porter, Noah.** Preparatory schools for college and university life. *In* National education association. Journal of proceedings and addresses, 1874. p. 42-58. *Also in his* American colleges and the American public. [1878.] p. 283-313
21. **Thurber, Samuel.** The relation of public high schools to colleges. *In* New York (State). University. University convocation. Proceedings, 1875. p. 129-41. *Also in its* Annual report of the Regents, 1876. p. 603-15.
22. **Penfield, C. H.** The high school and the college. *In* Northeastern Ohio teachers' association. Essays and addresses, 1876. p. 252-69.
23. **Webb, W. R.** Relation of the preparatory or grammar school to college or university. *In* National education association. Journal of proceedings and addresses, 1877. p. 70-78.
24. **Dimm, J. R.** The relations of the public schools to the colleges. Lutheran quarterly, 9: 28-46, January 1879.
25. **McCosh, James.** The importance of harmonizing the primary, secondary and collegiate systems of education. *In* National education association. Journal of proceedings and addresses, 1880. p. 138-46
26. **Harris, W. T.** On the relation of the college to the common school. *In* American institute of instruction. Annual meeting, 1883. p. 139-71. Discussion, p. 171-83.
27. Collegiate influence upon the lower education. (Editorial.) Popular science monthly, 24: 702-6, March 1884.
    Summary of existing opinions.
28. **West, A. F.** The relation of secondary education to the American university problem. *In* National education association. Journal of proceedings and addresses, 1885. p. 195-213.
    Includes comparative tables illustrating the character of secondary instruction in United States, France, and Prussia.
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Report of the committee on secondary education.

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Papers by J. B. Angell, on the university, J. W. Strong, on the Christian college, J. Hopkins, on the technological schools, T. H. McBride, and discussion.

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(1890-1899.)

34. **Butler, N. M.** The function of the secondary school. Academy, 5: 131-48, April 1890. *Also in his* Meaning of education. 1898. p. 151-83.

35. **Eliot, C. W.** The gap between common schools and colleges. *In* National education association. Journal of proceedings and addresses, 1890. p. 522-33. *Also in* Arena, 2: 24-38, June 1890. *Also in his* Educational reform. 1898. p. 197-219. *In abbreviated form in* U. S Bureau of education. Report of the Commissioner, 1889-90. v. 2. p. 1112-16.

36. **Bechdolt, A. F.** The high school as a fitting school. *In* National education association. Journal of proceedings and addresses, 1890. p. 617-24.

37. **Johnson, J. W.** Demands of the high school for severance from the college and the university. *In* National education association. Journal of proceedings and addresses, 1890. p. 629-33.

38. The closer articulation of the school with the university. *In* New York state teachers' association. Proceedings, 1890. p. 107-11.
Brief addresses by A. B. Blodgett and H. S. White.

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40. **Cooper, O. H.** University and schools. *In* National education association. Journal of proceedings and addresses, 1891. p. 493-98.

41. Coordination of university, college and academy. *In* New York (State). University. University convocation. Proceedings, 1891. p. 388-421. (Regents' bulletin no. 8.) *Also in its* Annual report of the Regents, 1891. p. 388-421.
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Each college should have its own preparatory department and require higher standards of admission.

43. **Thomas, Isaac.** Some ways in which colleges may help secondary schools. Academy, 7: 140-53, April 1892.

44. **Atherton, G. W.** How can high schools be made so uniformly efficient that their graduates may without further preparation enter college? Proposals for the Middle states. *In* Association of colleges and preparatory schools of the Middle states and Maryland. Proceedings, 1892. p. 10-16.

45. **Burroughs, G. S.** The college in relation to secondary education. *In* Indiana college association. Proceedings, 1894. p. 33-47.

46. **Eliot, C. W.** The unity of educational reform. *In* American institute of instruction. Annual meeting, 1894. p. 151-73. *Also in* Educational review. 8: 209-26, October 1894. *Also in his* Educational reform. 1898. p. 315-39.

Enumerates the chief principles and objects of modern reform which are the same in the whole course of education from the fifth to the twenty-fifth year of life.

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48. **Jesse, R. H.** What constitutes a college and what a secondary school. School review, 4: 274-84. Discussion, p. 284-96. May 1896.

Injury done to secondary schools by spurious colleges.

49. **Association of colleges and preparatory schools of the Middle states and Maryland.** Conference on college entrance requirements. Round table discussion. *In its* Proceedings, 1896. p. 71-105, 123-200.

Discussion centers mainly around the question of age of entrance, but takes up also the topic of concerted action to secure uniformity in requirements.

50. **Baker, J. H.** What should the college and university do for the graduate of the high school? *In* National education association. Journal of proceedings and addresses, 1896. p. 364-72. *Also in his* Education and life. 1900. p. 116-29.

How they can complete his education for practical life and still follow their highest ideals of culture.

51. **Tetlow, John.** The colleges and the nonclassical high schools. *In* American institute of instruction. Annual meeting, 1896. p. 3-28.

52. What is the present consensus of opinion as to the most important problems in preparatory and collegiate education? *In* Association of colleges and preparatory schools of the Middle states and Maryland. Proceedings, 1897. p. 34-85. *Also in* School review, 6: 145-82, March 1898.

Papers by Isaac Sharpless, comparing American and European conditions, and Julius Sachs, on teaching the classics, history, and English; discussion.

53. **Butler, N. M.** The scope and function of secondary education. Educational review, 16: 15-27, June 1898.

Discusses the disciplinary and selective purposes of secondary education as based on primary education and leading up to college.

54. **Tucker, W. J.** Relation of the high school to higher education. Education, 18: 579-87, June 1898.

55. **Slate, Frederick.** The relation of the university to secondary schools. California university chronicle, 1: 498-514, December 1898.

A comparison of conditions in England, Prussia, and America.

56. **Walker, F. A.** The secondary schools and higher education. *In his* Discussions in education. 1898. p. 323-330.

57. **Clement, W. K.** The northwestern state university and its preparatory school. Educational review, 17: 154-163, February 1899.

Taking the preparatory schools connected with seven state universities, paper describes their effect on secondary education and the college entrance requirements of each.

58. **Lange, A. F.** Should the university be the central authority in a unified school system? California university chronicle, 2: 180-89, August 1899.

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59. **Briggs, L. B.** The transition from school to college. *In* Association of colleges and preparatory schools of the Middle states and Maryland. Proceedings, 1899. p. 113-22. (New York (State). University. Regents' bulletin no. 50.) *Also in* Atlantic monthly, 85: 354-59, March 1900. *Also in his* School, college, and character. 1901. p. 127-48.

Describes the boy's dread of transition and its cause.

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and Maryland. Proceedings, 1899. p. 122–33. Discussion, p. 133–36. (New York (State). University. Regents' bulletin no. 50.) *Also in its* Annual report of the Regents, 1899. p. 122–36.

Both school and college are responsible, but the solution rests in larger measure with the colleges.

61. **Woodward, F. C.** The correlation of colleges and preparatory schools. *In* Association of colleges and preparatory schools of the Southern states. Proceedings, 1899. p. 54–63.

Plea for the abolition of the preparatory departments connected with the southern colleges.

(1900–1904.)

62. **Jesse, R. H.** The influence of the state university on the public schools. School review, 8: 466–74, October 1900.

Agencies and methods used by the university to articulate higher and lower education, especially in Missouri.

63. **Huling, R. G.,** *and others.* Problems which confront the high school. Education, 21: 129–43, November 1900.

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64. College defects from the high school standpoint. *In* New York (State). University. University convocation. Proceedings, 1900. p. 318–28. (Regents' bulletin no. 51.) *Also in its* Annual report of the Regents, 1900. p. 318–28.

Addresses by C. W. Evans and D. L. Bardwell.

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66. **Venable, F. P.** The universities and secondary schools. *In* Southern educational association. Journal of proceedings and addresses, 1900. p. 67–74. Discussion, p. 74–76.

How the state university can assist the schools.

67. **Randolph, Harrison.** The private college and the public school. *In* Southern educational association. Journal of proceedings and addresses, 1900. p. 221–30.

Discusses the antagonism of classical colleges to two tendencies prevalent in high schools: the too early beginning of education for practical life and the adjustment of school work to the liking of individuals.

68. **Hanus, P. H.** Preparation for college and for life. Educational review, 21: 140–152, February 1901. *Also in his* Modern school. 1904. p. 43–67.

"Sketches briefly the history of American secondary education, emphasizing especially those narrow congenital features which have so long delayed effective articulation with higher education."

69. **Gilbert, C. B.** The relation of the high school to the elementary school and to the college. School review, 9: 167–173, March 1901.

70. **Thurber, C. H.** The articulation of the secondary with the higher schools. Pedagogical seminary, 8: 382–89, September 1901.

From a Clark university doctor's thesis here published in part under the title, "The principles of school organization: a comparative study, chiefly based on the systems of the United States, England, Germany, and France."

71. **Harris, W. T.** Recent growth of public high schools in the United States as affecting the attendance of colleges. *In* National education association. Journal of proceedings and addresses, 1901. p. 174–80. Discussion, p. 180–81.

72. **Armstrong, J. L.** Preparatory training for girls, from the college standpoint. *In* Association of colleges and preparatory schools of the Southern states. Proceedings, 1901. p. 47–55.

73. **Chase, W. J.** Current problems [in secondary education] from the standpoint of preparation for college. School review, 10: 28–32, January 1902.

74. **Farrand, Wilson.** The existing relations between school and college. *In* Association of colleges and preparatory schools of the Middle states and Maryland. Proceedings, 1902. p. 84–101. (New York (State). University. Regents' bulletin no. 60.) *Also in* Educational review, 25: 182–99, February 1903.

A general view of efforts being made to improve conditions.

75. **Saunders, P. H.** The outlook of the public high school in the South. *In* Association of colleges and preparatory schools of the Southern states. Proceedings, 1902. p. 71–92. *Also in* School review, 11: 73–94, February 1903.

The mutual relations of college, high school, and pupils, to give satisfactory training to those who do not go to college as well as to those who do go.

76. **Balliet, T. M.** The time limit of secondary education. Educational review, 25: 433–37, May 1903.

77. **Brown, E. E.** Secondary education. *In* U. S. Bureau of education. Report of the Commissioner, 1903. v. 1, p. 553–83.

Contains (p. 569–74) sections on articulation; the accrediting system; College entrance examination board; development of the curriculum.

78. **Bryan, W. J. S.** What is the true function of the free public high school? *In* Northwestern university. National conference on secondary education. 1903. p. 51–55.

Should offer a liberal education which should be accepted by colleges.

79. **De Garmo, Charles.** What is the true function of the free public high school? *In* Northwestern university. National conference on secondary education. 1903. p. 60–63.

The bonds of union between colleges and high schools.

80. **Draper, A. S.** University questions concerning the common schools. *In* Illinois state teachers' association. Journal of proceedings, 1903. p. 41–51. *Also in* Educational review, 27: 109–30, February 1904. *Also in his* American education. 1909. p. 165–83.

Discusses: length of courses; university influence upon the teaching below; moral influence of universities.

81. **Harris, George.** The secondary school and the college. *In* Schoolmasters' association of New York and vicinity. Annual report, 1903–4. p. 102–10.

82. **Flexner, Abraham.** The preparatory school. Atlantic monthly, 94: 368–77, September 1904.

It has sprung up mechanically to enforce the accepted college entrance scheme, is not a part of the coherent system, and its courses are neither cultural nor disciplinary.

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Compares the training given by the college with that of the secondary school and that of the university.

84. **Brown, E. E.** Secondary education. *In* Butler, N. M. Monographs on education in the United States. 1904. no. 4, p. 22–37.

Topics: a continuous system of public instruction; the schools and the colleges; accrediting system; school and college associations; Committee of ten; elective system; college entrance requirements.

85. **Coates, C. E.** The interdependence of schools and colleges. *In* Association of colleges and preparatory schools of the Southern states. Proceedings, 1904. p. 56–62.

How best to define the part of each and to bring about cooperation.

(1905–1909.)

86. **Harper, W. R.** Waste in higher education. *In his* Trend in higher education. 1905. p. 78–117.

Names four points in which there is great waste in preparation for college, p. 78–88.

87. **Hill, A. R.** The articulation of high schools, colleges and universities. *In* Missouri state teachers association. Proceedings, 1905. p. 91–95.

88. **Tucker, S. M.** The relation of the Southern college to the public school. Southern educational review, 3: 834–42, March 1906.

89. **Buchner, E. F.** The relation of the high school to the college. Education, 26: 571–83, June 1906.

90. **Benton, G. W.** Since high schools are costing so much what can colleges do to assist them in meeting the demands of the public? *In* North Central association of colleges and secondary schools. Proceedings, 1906. p. 46–63.

Based on answers to a questionnaire sent to high schools.

91. **Moore, F. W.** College preparatory work in southern schools. *In* Association of colleges and preparatory schools of the Southern states. Proceedings, 1906. p. 57–66.

Shows conditions by tabulation of answers to a questionnaire.

92. **Birdseye, C. F.** Our secondary schools: the former college course moved back into them—age and maturity of their students. *In his* Individual training in our colleges. 1907. p. 124–29.

93. What does the college expect of the high school? *In* Michigan schoolmasters' club. Journal, 1907. p. 1–14.

Papers by A. G. Canfield and J. L. Snyder. The high school should at least recognize preparation as a part of its duty, take it seriously, and also give a good idea of the educative process.

94. **Cook, Webster.** College influence and high school development. *In* Michigan schoolmasters' club. Journal, 1907. p. 14–22.

College control in the past has been too rigid; colleges should require merely mental maturity.

95. **Kirkland, J. H.** The high school and the university. *In* Conference for education in the South. Proceedings, 1907. p. 168–81.

A discussion of what is the proper line of demarcation between high school and college work; in practice there is much duplication.

96. **Wilson, Woodrow.** School and college. *In* Association of college and preparatory schools of the Middle states and Maryland. Proceedings, 1907. p. 73–89.

97. Preparation for college as a means of education. *In* Association of colleges and preparatory schools of the Middle states and Maryland. Proceedings, 1907. p. 90–105.

Papers by T. S. Baker and J. E. Allen.

98. **Allen, J. E.** For closer relations between secondary schools and colleges. West Virginia educator, 2: 5–6, May 1908.

99. **Johnson, O. A.** The correlation of high school and university. Western journal of education, 13: 384–92, July 1908.

100. **Larned, C. W.** The inefficiency of the public schools. North American review, 188: 336–46, September 1908.

Based on the results of entrance examinations at West Point.

101. **McAndrew, William.** Where the high school fails. World's work, 16: 10648–51, September 1908.

"How college influences and the striving to produce the superhuman have hurt secondary education."

102. **Flexner, Abraham.** The college and the secondary school. *In his* American college. 1908. p. 60–115.

The college not only hinders its own progress by its requirements and examinations, but vetoes modern teaching methods in secondary schools, so that the two work at cross purposes.

103. **Mell, P. H.** The college attitude toward the high school. *In* Southern educational association. Journal of proceedings and addresses, 1908. p. 279–82. *Also in* Southern educational review, 6: 17–20, April, May, June, July 1909.

104. **Graham, John.** Relation of the high school to the state and college. *In* Southern educational association. Journal of proceedings and addresses, 1908. p. 325–27.

105. **Kent, C. W.** The high school and the college. *In* North Carolina teachers' assembly. Proceedings, 1908. p. 305–6.

106. **Harding, H. P.** The college and the high school. *In* North Carolina teachers' assembly. Proceedings, 1908. p. 306–12.

107. **McCartney, T. B.** The relation of high school and college. *In* Kentucky educational association. Proceedings, 1908. p. 29–34.

108. **Coulter, J. M.** What the university expects of the secondary school. School review, 17: 73–84, February 1909.

It ought to expect good teaching and well prepared students.

109. **Munroe, J. P.** How the colleges ruin the high schools. World's work, 18: 11541–44, May 1909. *Also in his* New demands in education. 1912. p. 202–13.

Shows why the high school fails to meet community needs.

110. Legitimate scope of the small high school in relation to preparation for college. Pennsylvania school journal, 58: 349–56, February 1910.

Papers by Edwin Lee and J. B. Geissinger, read before the High school department of the Pennsylvania educational association, December 1909.

111. **Lewis, W. D.** College domination of high schools. Outlook, 93: 820–25, December 11, 1909.

Reply by J. H. Gardiner, in Outlook, 94: 626–31, March 19, 1910.

112. **Brown, J. F.** The function of the high school: relation to higher institutions. *In his* American high school. 1909. p. 54–71.

A brief summary of present conditions and questions.

113. **Buchner, E. F.** The evaluation of higher education by means of the unit system. *In* Association of colleges and preparatory schools of the Middle states and Maryland. Proceedings, 1909. p. 52–61. *Also in* Educational review, 39: 511–21, May 1910.

Can it be judged by such a mechanical method?

114. **Carnegie foundation for the advancement of teaching.** Educational problems and progress. *In its* Annual report, 1909. p. 130–64.

Contents: Use and limitation of a standard unit in secondary education; articulation of high school and college; use of college requirements for admission; preparatory department; weighting of college entrance requirements.

115. **Hill, A. R.** The state university's duty to the public high school and how it should be performed. *In* National association of state universities. Transactions and proceedings, 1909. p. 136–43. Discussion, p. 143–56.

Takes up their relations in the training of teachers, articulation of courses of study, admission by certificate, and joint conferences.

116. **Hollister, H. A.** Relation of the high school to colleges. *In his* High school administration. 1909. p. 237–52.

Favors the system of accrediting by inspection.

117. **McSweeney, E. F. X.** Coordination of colleges fo seminaries. *In* Catholic educational association. Report of the proceedings, 1909. p. 103–15.

118. **Patterson, J. K.** The university and its relation to the public high school. *In* Kentucky educational association. Proceedings, 1909. p. 131–38.

119. Some things which the colleges and the state examinations do not require. *In* New York state teachers association. Proceedings, 1909. p. 623–50.

Papers by Benjamin Heydrick, Henrietta Rodman, and John Erskine.

120. **Stringham, Irving,** *and* **Lange, A. F.** The reorganization of school systems with incidental reference to preparation for the professional school. *In* Association of American universities. Journal of proceedings, 1909. p. 14–24. Discussion, p. 24–31.

Mainly a discussion of the principles of unification and correlation, with careful attention to ease of transition.

121. **Thompson, W. O.** The province of the state educational institutions in the administration of public education. *In* National education association. Journal of proceedings and addresses, 1909. p. 430–33. Discussion, p. 433–34.

122. **Williston, S. W.** Has the American college failed to fulfill its function? *In* National education association. Journal of proceedings and addresses, 1909. p. 526–33.

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(1910–1913.)

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(1890—1904.)

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*No. 6. The apprenticeship system in its relation to industrial education. Carroll D. Wright. 15 cts.
*No. 7. State school systems: II. Legislation and judicial decisions relating to public education, Oct. 1, 1906, to Oct. 1, 1908. Edward C. Elliott. 30 cts.
*No. 8. Statistics of State universities and other institutions of higher education partially supported by the State, 1907-8. 5 cts.

1909.

*No. 1. Facilities for study and research in the offices of the United States Government in Washington. Arthur T. Hadley. 10 cts.
*No. 2. Admission of Chinese students to American colleges. John Fryer. 25 cts.
*No. 3. Daily meals of school children. Caroline L. Hunt. 10 cts.
†No. 4. The teaching staff of secondary schools in the United States; amount of education, length of experience, salaries. Edward L. Thorndike.
No. 5. Statistics of public, society, and school libraries in 1908.
*No. 6. Instruction in the fine and manual arts in the United States. A statistical monograph. Henry T. Bailey. 15 cts.
No. 7. Index to the Reports of the Commissioner of Education, 1867-1907.
*No. 8. A teacher's professional library. Classified list of 100 titles. 5 cts.
*No. 9. Bibliography of education for 1908-9. 10 cts.
No. 10. Education for efficiency in railroad service. J. Shirley Eaton.
*No. 11. Statistics of State universities and other institutions of higher education partially supported by the State, 1908-9. 5 cts.

1910.

*No. 1. The movement for reform in the teaching of religion in the public schools of Saxony. Arley B. Show. 5 cts.
No. 2. State school systems: III. Legislation and judicial decisions relating to public education, Oct. 1, 1908, to Oct. 1, 1909. Edward C. Elliott.
†No. 3. List of publications of the United States Bureau of Education, 1867-1910.
*No. 4. The biological stations of Europe. Charles A. Kofoid. 50 cts.
†No. 5. American schoolhouses. Fletcher B. Dresslar.
†No. 6. Statistics of State universities and other institutions of higher education partially supported by the State, 1909-10.

1911.

*No. 1. Bibliography of science teaching. 5 cts.
*No. 2. Opportunities for graduate study in agriculture in the United States. A. C. Monahan. 5 cts.
*No. 3. Agencies for the improvement of teachers in service. William C. Ruediger. 15 cts.
*No. 4. Report of the commission appointed to study the system of education in the public schools of Baltimore. 10 cts.
*No. 5. Age and grade census of schools and colleges. George D. Strayer. 10 cts.
*No. 6. Graduate work in mathematics in universities and in other institutions of like grade in the United States. 5 cts.
†No. 7. Undergraduate work in mathematics in colleges and universities.
†No. 8. Examinations in mathematics, other than those set by the teacher for his own classes.
No. 9. Mathematics in the technological schools of collegiate grade in the United States.
†No. 10. Bibliography of education for 1909-10.
†No. 11. Bibliography of child study for the years 1908-9.
†No. 12. Training of teachers of elementary and secondary mathematics.
*No. 13. Mathematics in the elementary schools of the United States. 15 cts.
*No. 14. Provision for exceptional children in the public schools. J. H. Van Sickle, Lightner Witmer, and Leonard P. Ayres. 10 cts.
*No. 15. Educational system of China as recently reconstructed. Harry E. King. 10 cts.
†No. 16. Mathematics in the public and private secondary schools of the United States.
†No. 17. List of publications of the United States Bureau of Education, October, 1911.
*No. 18. Teachers' certificates issued under general State laws and regulations. Harlan Updegraff. 20 cts
No. 19. Statistics of State universities and other institutions of higher education partially supported by the State, 1910-11.

1912.

*No. 1. A course of study for the preparation of rural-school teachers. Fred Mutchler and W. J. Craig. 5 cts.
†No. 2. Mathematics at West Point and Annapolis.
*No. 3. Report of committee on uniform records and reports. 5 cts.
*No. 4. Mathematics in technical secondary schools in the United States. 5 cts.
*No. 5. A study of expenses of city school systems. Harlan Updegraff. 10 cts.
*No. 6. Agricultural education in secondary schools. 10 cts.
*No. 7. Educational status of nursing. M. Adelaide Nutting. 10 cts.
*No. 8. Peace day. Fannie Fern Andrews. 5 cts. [Later publication, 1913, No. 12.]
*No. 9. Country schools for city boys. William S. Myers. 10 cts.
†No. 10. Bibliography of education in agriculture and home economics.
†No. 11. Current educational topics, No. I.
†No. 12. Dutch schools of New Netherland and colonial New York. William H. Kilpatrick.
*No. 13. Influences tending to improve the work of the teacher of mathematics. 5 cts.
*No. 14. Report of the American commissioners of the international commission on the teaching of mathematics. 10 cts.
†No. 15. Current educational topics, No. II.
†No. 16. The reorganized school playground. Henry S. Curtis.
*No. 17. The Montessori system of education. Anna T. Smith. 5 cts.
†No. 18. Teaching language through agriculture and domestic science. M. A. Leiper.
*No. 19. Professional distribution of college and university graduates. Bailey B. Burritt. 10 cts.
†No. 20. Readjustment of a rural high school to the needs of the community. H. A. Brown
†No. 21. Urban and rural common-school statistics. Harlan Updegraff and William R. Hood
No. 22. Public and private high schools.
No. 23. Special collections in libraries in the United States. W. Dawson Johnston and Isadore G. Mudge.
†No. 24. Current educational topics, No. III.
†No. 25. List of publications of the United States Bureau of Education, 1912.
†No. 26. Bibliography of child study for the years 1910-1911.
No. 27. History of public-school education in Arkansas. Stephen B. Weeks.
*No. 28. Cultivating school grounds in Wake County, N. C. Zebulon Judd. 5 cts.
No. 29. Bibliography of the teaching of mathematics, 1900-1912. David Eugene Smith and Charles Goldziher.
No. 30. Latin-American universities and special schools. Edgar E. Brandon.
No. 31. Educational directory, 1912.
No. 32. Bibliography of exceptional children and their education. Arthur MacDonald.
†No. 33. Statistics of State universities and other institutions of higher education partially supported by the State, 1912.

1913.

No. 1. Monthly record of current educational publications, January, 1913.
*No. 2. Training courses for rural teachers. A. C. Monahan and R. H. Wright. 5 cts.
*No. 3. The teaching of modern languages in the United States. Charles H. Handschin. 15 cts.
*No. 4. Present standards of higher education in the United States. George E. MacLean. 20 cts.
†No. 5. Monthly record of current educational publications. February, 1913.

*No. 6. Agricultural instruction in high schools. C. H. Robison and F. B. Jenks. 10 cts.
†No. 7. College entrance requirements. Clarence D. Kingsley.
*No. 8. The status of rural education in the United States. A. C. Monahan. 15 cts.
†No. 9. Consular reports on continuation schools in Prussia.
†No. 10. Monthly record of current educational publications, March, 1913.
†No. 11. Monthly record of current educational publications, April, 1913.
*No. 12. The promotion of peace. Fannie Fern Andrews. 10 cts.
†No. 13. Standards and tests for measuring the efficiency of schools or systems of schools. Report of the committee of the National Council of Education. George D. Strayer, chairman.
No. 14. Agricultural instruction in secondary schools.
†No. 15. Monthly record of current educational publications, May, 1913.
*No. 16. Bibliography of medical inspection and health supervision. 15 cts.
*No. 17. A trade school for girls. A preliminary investigation in a typical manufacturing city, Worcester, Mass. 10 cts.
*No. 18. The fifteenth international congress on hygiene and demography. Fletcher B. Dresslar. 10 cts.
*No. 19. German industrial education and its lessons for the United States. Holmes Beckwith. 15 cts.
*No. 20. Illiteracy in the United States. 10 cts.
†No. 21. Monthly record of current educational publications, June, 1913.
*No. 22. Bibliography of industrial, vocational, and trade education. 10 cts.
*No. 23. The Georgia Club at the State Normal School, Athens, Ga., for the study of rural sociology. E. C. Branson. 10 cts.
*No. 24. A comparison of public education in Germany and in the United States. Georg Kerschensteiner. 5 cts.
*No. 25. Industrial education in Columbus, Ga. Roland B. Daniel. 5 cts.
†No. 26. Good roads arbor day. Susan B. Sipe.
†No. 27. Prison schools. A. C. Hill.
*No. 28. Expressions on education by American statesmen and publicists. 5 cts.
*No. 29. Accredited secondary schools in the United States. Kendric C. Babcock. 10 cts.
*No. 30. Education in the South. 10 cts.
*No. 31. Special features in city school systems. 10 cts.
No. 32. Educational survey of Montgomery County, Md.
†No. 33. Monthly record of current educational publications, September, 1913.
*No. 34. Pension systems in Great Britain. Raymond W. Sies. 10 cts.
*No. 35. A list of books suited to a high-school library. 15 cts.
*No. 36. Report on the work of the Bureau of Education for the natives of Alaska, 1911-12. 10 cts
No. 37. Monthly record of current educational publications, October, 1913.
*No. 38. Economy of time in education. 10 cts.
No. 39. Elementary industrial school of Cleveland, Ohio. W. N. Hailmann.
*No. 40. The reorganized school playground. Henry S. Curtis. 10 cts.
No. 41. The reorganization of secondary education.
No. 42. An experimental rural school at Winthrop College. H. S. Browne.
*No. 43. Agriculture and rural-life day; material for its observance. Eugene C. Brooks. 10 cts.
*No. 44. Organized health work in schools. E. B. Hong. 10 cts.
No. 45. Monthly record of current educational publications, November, 1913.
*No. 46. Educational directory, 1913. 15 cts.
*No. 47. Teaching material in Government publications. F. K. Noyes. 10 cts.
*No. 48. School hygiene. W. Carson Ryan, jr. 15 cts.
No. 49. The Farragut School, a Tennessee country-life high school. A. C. Monahan and Adams Phillips.
No. 50. The Fitchburg plan of cooperative industrial education. M. R. McCann.
*No. 51. Education of the immigrant. 10 cts.
*No. 52. Sanitary schoolhouses. Legal requirements in Indiana and Ohio. 5 cts.
No. 53. Monthly record of current educational publications, December, 1913.
No. 54. Consular reports on industrial education in Germany.
No. 55. Legislation and judicial decisions relating to education, October 1, 1909, to October 1, 1912. James C. Boykin and William R. Hood.
†No. 56. Some suggestive features of the Swiss school system. William Knox Tate.
No. 57. Elementary education in England, with special reference to London, Liverpool, and Manchester. I. L. Kandel.
No. 58. Educational system of rural Denmark. Harold W. Foght.
No. 59. Bibliography of education for 1910-11.
No. 60. Statistics of State universities and other institutions of higher education partially supported by the State, 1912-13.

1914.

*No. 1. Monthly record of current educational publications, January, 1914. 5 cts.
No. 2. Compulsory school attendance.
No. 3. Monthly record of current educational publications, February, 1914.
No. 4. The school and the start in life. Meyer Bloomfield.

No. 5. The folk high schools of Denmark. L. L. Friend.
No. 6. Kindergartens in the United States.
No. 7. Monthly record of current educational publications, March, 1914.
No. 8. The Massachusetts home-project plan of vocational agricultural education. R. W. Stimson.
No. 9. Monthly record of current educational publications, April, 1914.
*No. 10. Physical growth and school progress. B. T. Baldwin. 25 cts.
No. 11. Monthly record of current educational publications, May, 1914.
No. 12. Rural schoolhouses and grounds. F. B. Dresslar.
No. 13. Present status of drawing and art in the elementary and secondary schools of the United States, Royal B. Farnum.
No. 14. Vocational guidance.
No. 15. Monthly record of current educational publications. Index.
No. 16. The tangible rewards of teaching. James C. Boykin and Roberta King.
No. 17. Sanitary survey of the schools of Orange County, Va. Roy K. Flannagan.
No. 18. The public school system of Gary, Ind. William P. Burris.
No. 19. University extension in the United States. Louis E. Reber.
No. 20. The rural school and hookworm disease. J. A. Ferrell.
No. 21. Monthly record of current educational publications, September, 1914.
No. 22. The Danish folk high schools. H. W. Foght.
No. 23. Some trade schools in Europe. Frank L. Glynn.
No. 24. Danish elementary rural schools. H. W. Foght.
No. 25. Important features in rural school improvement. W. T. Hodges.
No. 26. Monthly record of current educational publications, October, 1914.
No. 27. Agricultural teaching.
No. 28. The Montessori method and the kindergarten. Elizabeth Harrison.
No. 29. The kindergarten in benevolent institutions.
No. 30. Consolidation of rural schools and transportation of pupils at public expense. A. C. Monahan.