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OF CURRENT EDUCATIONAL  
PUBLICATIONS

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## MONTHLY RECORD OF CURRENT EDUCATIONAL PUBLICATIONS.

Compiled by the Library Division, Bureau of Education.

CONTENTS.—Proceedings of associations—Educational history and biography—Current educational conditions—Educational theory and practice—Educational psychology; Child study—Educational tests and measurements—Special methods of instruction—Special subjects of curriculum—Kindergarten and primary school—Rural education—Secondary education—Normal training—Teachers' salaries and professional status—Higher education—School administration—School management—Schoolhouses and grounds—School hygiene and sanitation—Physical training—Play and recreation—Social aspects of education—Child welfare—Moral and religious education—Manual and vocational training—Vocational guidance—Agricultural education—Home economics—Commercial education—Professional education—Civic education—Americanization—Education of soldiers—Education of women—Negro education—Education of deaf—Exceptional children—Education extension—Libraries and reading—Bureau of Education: Recent publications.

### NOTE.

The record comprises a general survey in bibliographic form of current educational literature, domestic and foreign, received during the monthly period preceding the date of publication of each issue.

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.

Publications intended for inclusion in this record should be sent to the library of the Bureau of Education, Washington, D. C.

### PROCEEDINGS OF ASSOCIATIONS.

1540. [Papers presented at an educational conference held in Melbourne, Australia, April 15-16, 1920]. Parents' review, 31: 637-64. September 1920.

Contains: 1. H. A. Woodruff: The aim of education, p. 638-44. 2. Mrs. T. A. B. Weigall: On the place of art in a liberal education, p. 644-48. 3. Frank Tate: Parents' national educational union. Some aspects of the new education act for England and Wales, p. 648-51. 4. D. Avery: Cultural value of science, p. 651-64.

1541. **Progressive education association.** [Proceedings.] Convention, April 9-10, 1920, at Washington, D. C. 48 p. 8°. (Bulletin no. 2) (Stanwood Cobb, secretary, 1607 Irving St., Washington, D. C.)

Contains: 1. F. F. Bunker: Reaction of the public schools to progressive education, p. 2-7. 2. Marietta L. Johnson: The school and the child, p. 7-16. 3. Bernard Lentz: Progressive methods in use in army schools, p. 16-19. 4. F. D. Slutz: The Moraine Park school and the progressive movement in the west, p. 19-25. 5. P. K. Miller: The sunrise zone between public schools and industry, p. 25-29. 6. Angelo Patri: Progressive education in a public school, p. 29-42.

## CURRENT EDUCATIONAL PUBLICATIONS.

1542. **South Dakota educational association.** Proceedings of the thirty-seventh annual session . . . held at Mitchell, November 24-26, 1919. Aberdeen, S. Dak. [1920?] 288 p. 8°. (A. H. Seymour, secretary, Aberdeen, S. Dak.).

Contains: 1. C. H. Judd: American and European schools, p. 31-39. 2. F. L. Shaw: A brief statement of some educational conditions in the United States and South Dakota, p. 46-53. 3. G. A. Works: The farmer and education in democracy, p. 54-57. 4. C. H. Judd: Education for citizenship, p. 68-75. 5. W. N. Van Camp: The ultimate solution of fire prevention is the child, p. 81-88. 6. Henrietta Calvin: Home economics, p. 91-95. 7. W. A. Cook: The motivation of the teaching force, p. 103-109. 8. H. C. Foulger: Professional growth in service, p. 109-115. 9. G. M. Smith: The preparation of high school teachers by the colleges, p. 120-28. 10. N. E. Helderman: Measuring ability and correcting defects in reading, p. 130-36. 11. W. F. Bruell: The educational survey—its hope and scope, p. 151-56. 12. Ruth Goodrich: How to direct the student's reading interest, p. 161-72. 13. W. A. Cook: School hygiene from the administrative standpoint, p. 213-21.

## EDUCATIONAL HISTORY AND BIOGRAPHY.

1543. **Gasquet, Francis Aldan, Cardinal.** A history of the venerable English college, Rome; an account of its origins and work from the earliest times to the present day. London, Longmans, Green and co., 1920. 291 p. front., plates. 8°.

1544. Quarterly of the Oregon historical society, vol. 21, no. 2, June 1920.

Contains: 1. Read Bain: Educational plans and efforts by Methodists in Oregon to 1840, p. 63-94. 2. J. C. Almack: History of Oregon normal schools, p. 95-169.

1545. **Snider, Denton J.** The St. Louis movement in philosophy, literature, education, psychology, with chapters of autobiography. St. Louis, Mo., Sigma publishing co., 1920. 608 p. 12°.

The writer was present at the event which formed the starting-point of the St. Louis movement—the formation of the St. Louis Philosophical society in January, 1896, with Henry C. Brockmeyer as president and William T. Harris as secretary. This history of the movement is dedicated by Mr. Snider to these two men, his life-long friends and associates.

1546. **Woody, Thomas.** Early Quaker education in Pennsylvania. New York city, Teachers college, Columbia university, 1920. 3 p. 1, 287 p. front. (map) diagr. 8°. (Teachers college, Columbia university. Contributions to education, no. 105).

Published also as thesis (Ph. D.) Columbia university, 1918.

Bibliography: p. 272-82.

## CURRENT EDUCATIONAL CONDITIONS.

## UNITED STATES.

1547. **Barnes, Walter.** The school at Feathertown. Education, 41: 46-52, September 1920.

A satire on the modern school.

1548. **Cary, Charles P.** The Ayres report on Wisconsin schools. Wisconsin journal of education, 52: 219-22, September 1920.

The State superintendent of public instruction of Wisconsin discusses the rating given Wisconsin schools in An index number for state school systems, by Col. L. P. Ayres, of the Russell Sage foundation, New York.

1549. **Peters, B. F.** The effects of the war on the public schools. Kentucky high school quarterly, 3: 30-42, July 1920.

The material in this article was gathered from some 150 city superintendents' annual reports for the period 1915-1920. Notes changes in respect to the following points: Americanization progress; Effects of attendance; Curriculum changes; General organization; Teachers' salaries; Depletion of men teachers; and War work.

1559. **Stuttgart, Ark. Board of education.** What the Stuttgart school offers its boys and girls . . . Stuttgart, Ark., 1920. 32 p. illus. 8°.

A school system endeavoring to develop the whole individual, mentally, physically, socially. An illustrated outline of the opportunities presented by a work-study-play program. The efforts of a community to educate all of the children of all of the people by emphasizing "thinking and doing" as well as mere "knowing."

1561. **Virginia. Education commission.** Virginia public schools: a survey of a Southern state public school system. By the Virginia education commission and the Virginia survey staff. Part one—Reports of Education commission and Survey staff. Yonkers-on-Hudson, N. Y., World book company, 1920. 200 p. plates, tables, diagrs. 12°. (Educational survey series, vol. VII.)

The first volume of this series contains the report of field work on all phases of public education. Part II, to be published later, will be devoted to the report of the Survey staff's division of tests and measurements.

1562. **Wilson, H. B.** Progress in city schools. *Journal of education*, 92: 199-201, September 9, 1920.

Some recent signs of progress and development in public education.

#### FOREIGN COUNTRIES.

1563. **Chalard, J.** La République allemande au travail. *École du travail*, 2: lx-lxiv, August 1920.

Shows how Germany is proceeding to rehabilitate herself industrially and commercially. This reconstruction is based on a thorough system of education.

1564. **Hoesch, Oskar.** Die philosophie und wir. *Monatschrift für höhere schulen*, 19: 236-51, June 1920.

Deals with the present situation of philosophy in Germany, and with pedagogy as a philosophical science.

1565. **Lajpat Rai.** The problem of national education in India. London, George Allen & Unwin Ltd. [1920] 256 p. 12°.

1566. **Man, Henry de.** How Belgian labor is educating itself. *Survey*, 44: 667-70, September 1, 1920.

An account of the schools for laboring people administered by the Belgian Central board for workers' education. This school system is divided into three degrees—the elementary local schools, the district schools, and the higher, national schools.

1567. **Nüchter, F.** Praktiker der demokratie. *Allgemeine deutsche lehrerzeitung*, 49: 257-61, May 28, 1920.

This article draws some lessons in school administration for the new German democracy from the results of democratic experience in the United States. The writer presents in translation a lengthy quotation from Chancellor's Our schools, their administration and supervision, as showing American ideals in school administration. He also refers to Dutton and Snedden's Administration of public education in the United States.

1568. **Poliakoff, Vladimir.** Leninism: Destroying culture in Russia. *Nineteenth century and after*, 88: 209-16, August 1920.

1569. **Trueman, George J.** School funds in the province of Quebec. New York city, Teachers college, Columbia university, 1920. 154 p. 8°. (Teachers college, Columbia university. Contributions to education, no. 106.)

#### EDUCATIONAL THEORY AND PRACTICE.

1560. **Colozza, G. A.** Artificio e artifiziosità nell'educazione. *Rivista pedagogica*, 13: 221-53, May-June 1920.

1561. **Frey, Charles N.** Education for democracy. *Education*, 41: 1-9, September 1920.

1562. **Greene, William Chase.** Pedagogues as propagandists? *Weekly review*, 3: 245-46, September 22, 1920.  
A scheme to train a new generation of Americans to think first of quality rather than of quantity.
1563. **O'Shea, M. V.** First steps in child training. Chicago, Frederick J. Drake & co. [1920] 284 p. front. 12°. (The parent's library)  
"Books on child training": p. 269-74.

## EDUCATIONAL PSYCHOLOGY; CHILD STUDY.

1564. **Bennett, G. Martin and Bennett, Margaret.** The first five years of a child's life. London, George G. Harrap & co., ltd., [1920] 127 p. 16°.
1565. **Brown, George A.** How teach children to think. *School and home education*, 40: 6-10, September 1920.
1566. **Godin, Paul.** Growth during school age; its application to education. Tr. by Samuel L. Eby. Boston, Richard G. Badger [1920] 268 p. charts. 8°. A new English version of a standard French work on adolescence.
1567. **O'Shea, M. V.** Faults of childhood and youth. Chicago, F. J. Drake & co. [1920] 286 p. 12°. One of a series of four volumes prepared for the Parent's library. "The aim throughout each and all of these books has been to make the discussion intelligible and practical by presenting typical traits of childhood, as exhibited in the ordinary situations of daily life, and then endeavoring to explain these traits and to indicate how they should be dealt with when they are not in accord with the requirements of life in the home, in the school, and in the community."
1568. **Rogers, Agnes L.** The message of educational psychology to parents and teachers. *American education*, 24: 12-20, September 1920.  
A study of retardation, especially in Baltimore, and the necessity for a department of research as an essential part of the public school system.
1569. **Rouma, Georges.** El desarrollo físico del escolar cubano: sus curvas normales del crecimiento. (Estudio de antropometría pedagógica.) Habana, Casa editorial Jorge Morkón, 1920. 133 p. illus., graphs, tables. 4°.
1570. **Stern, William.** Die menschliche Persönlichkeit und ihr psychisches Leben. *Zeitschrift für pädagogische psychologie und experimentelle pädagogik*, 21: 1-23, January 1920.  
This paper forms the third chapter of a book which is to appear under the title of "Psychologie und schule." A development and grounding of the author's theory of personality is given in his book entitled "Die menschliche Persönlichkeit."
1571. **Strecker, Edward A.** Physical factors in mental retardation. *Journal of the American medical association*, 75: 659-61, September 4, 1920.

## EDUCATIONAL TESTS AND MEASUREMENTS.

1572. **Bailey, Pearce and Haber, Roy.** Mental deficiency: its frequency and characteristics in the United States as determined by the examination of recruits. *Mental hygiene*, 4: 564-96, July 1920.  
Clinical and statistical data obtained from detailed reports submitted by the neuropsychiatric officers to the Surgeon general's office.
1573. **Ferguson, George O., jr.** A series of form boards. *Journal of experimental psychology*, 3: 47-58, February 1920.  
Method of testing mentality. Gives results of tests in public elementary schools of Williamsburg, Va., the high school of Hamilton, N. Y., and on students of Colgate university.
1574. **Glass, James M.** Classification of pupils in ability groups. *School review*, 28: 495-508, September 1920.  
An account of tests made in the Washington Junior high school, Rochester, N. Y.

1575. **Illinois. University.** Report of the high school visitor . . . for the year 1919-20. Urbana, Pub. by the University of Illinois, 1920. 68 p. 8°. (University of Illinois bulletin, vol. 17, no. 25, February 16, 1920)  
Contains A test of English composition in Illinois high schools, p. 43-61.
1576. **National intelligence tests.** Manual of directions for use with scale A, form 1, and scale B, form 1. Prepared under the auspices of the National research council by M. E. Haggerty, L. M. Terman, E. L. Thorndike, G. M. Whipple, and R. M. Yerkes, chairman. Yonkers-on-Hudson, N. Y., World book company, 1920. 32 p. 12°. Accompanied by scales and keys for the various tests.  
These are the Army mental tests adapted for use in schools. The National intelligence tests are designed to test the general intelligence of children between the ages of 7 and 18 years (grades 3 to 8).
1577. **Sansom, C.** Measuring intelligence in the United States. School (Toronto) 9: 34-38, September 1920.  
A Canadian view of the use of intelligence tests in the United States.

## SPECIAL METHODS OF INSTRUCTION.

## EDUCATIONAL WORK OF MUSEUMS.

1578. **Finley, John H.** "Enoch's pillars." The relation of art museums to education. School, 31: 629, 631, August 26, 1920.  
An address given on May 18, 1920, at the exercises commemorating the fiftieth anniversary of the founding of the Metropolitan museum of art.
1579. **Horton, Anna V.** Art education for public schools through a city museum. School-arts magazine, 20: 14-20, September 1920.  
The co-operation of the public schools and the Cleveland Museum of art.
1580. **Sherwood, George H.** Free nature education by the American museum of natural history in public schools and colleges; history and status of museum instruction and its extension to the schools of greater New York and vicinity. With a foreward by Henry Fairfield Osborn. New York city, 1920. 59 p. front. plates, fold. col. map. 8°. (Miscellaneous publications of the American museum of natural history, no. 13)

## PROJECT METHOD.

1581. **Johansen, Fannie O.** Projects in action English. Socialized recitations in composition and grammar. Boston, Richard G. Badger [1920] 207 p. 8°. In this original method of teaching English grammar, pupils singly, or in groups, present some action, usually a very simple one, before the class. Then the pupils make original sentences of various types based upon this action, and readily learn the principles of grammar and composition.
1582. **Rusk, Rogers D.** Project science and the physics method. Education, 41: 58-63, September 1920.
1583. **Spanton, W. T.** The home project method of instruction in vocational agriculture. Ohio teacher, 41: 12-15, September 1920.
1584. **Whitney, H. J.** Project teaching of manual training. Manual training magazine, 22: 57-61, September 1920.

## VISUAL INSTRUCTION.

1585. **Duffey, William B.** Visual instruction in the University of Texas. Educational film magazine, 4: 6, 24, September 1920.
1586. **Macleod, Annie Louise.** Motion pictures in the teaching of chemistry. Educational film magazine, 4: 7-9, September 1920.  
Pedagogical and practical advantages offered by the film method.

## SPECIAL SUBJECTS OF CURRICULUM.

## READING.

1587. **Armas, María Josefa de.** Los nuevos metodos para enseñar a leer: su estudio critico. Revista de instrucción pública (Habana) 2: 447-505, November-December 1919.

A thesis for the degree of doctor in pedagogy.

## LITERATURE.

1588. **Barnesberger, Velda C.** Standard requirements for memorizing literary material. Urbana, The University of Illinois, 1920. 93 p. tables. 8°. (University of Illinois bulletin, vol. xvii, no. 26. Bureau of educational research. Bulletin no. 3)  
"Bibliographies": p. 87-93.
1589. **Carruth, William Herbert.** The status of comparative literature. School and society, 12: 218-23, September 18, 1920.
1590. **Richards, E. B.** Studying literature for service. Education, 41: 10-19, September 1920.  
Author is specialist in English, New York State Education department, Albany, N. Y. The paper deals with the development of the appreciation and understanding of literature by high school pupils.
1591. **Smith, Milton M.** Local-coloring Shakespeare. Virginia teacher, 1: 173-79, August 1920.  
Some suggestions for teaching Shakespeare. What we can do to make his plays live.

## ENGLISH AND COMPOSITION.

1592. **Clark, Mary Emily.** What is wrong with our English teaching? Normal instructor and primary plans, 29: 21-22, 70-72, September 1920.  
Speaks of the common mistakes in English found in the high school which have not been overcome in the grades. Some suggestions for improving the teaching of English in the grades.
1593. **Grant, Emma B.** The responsibility for English speech in the kindergarten-primary period. Kindergarten and first grade, 5: 269-70, 316-19, September, October, 1920.
1594. **Rice, Anna L.** The dictionary habit. Journal of education, 92: 208-209, September 9, 1920.  
Shows the necessity for training pupils in the use of the dictionary.

## ANCIENT CLASSICS.

1595. **Houston, Percy H.** The case for the humanist. North American Review, 212: 355-61, September 1920.  
A reply to the criticisms of Dr. Eliot and Abraham Flexner on humanistic studies. But the writer is also critical of the conventionalized curriculum and formal methods of instructing in the colleges and universities; the "hardened scholasticism" of the schools. He presents the outlines of a constructive program.

## MATHEMATICS.

1596. **Reeve, W. D.** General mathematics for the high school: its purpose and content. Educational administration and supervision, 6: 258-73, May-June 1920.  
An address delivered at the Conference of principals and superintendents of the Minnesota educational association at the University of Minnesota, April 1920.

## THRIFT.

1597. **Davis, Frank G.** A school bank. School and society, 12: 230-32, September 18, 1920.  
Tells of the Kennard Savings Society established in the Kennard Junior High School in Cleveland, Ohio. Shows how the project reaches all departments in the school.



## KINDERGARTEN AND PRIMARY SCHOOL.

1598. **Abbot, Julia Wade.** The kindergarten situation today: Kindergarten and first grade, 5: 275-77, September 1920.

Address given before the International Kindergarten union, Topeka, Kans.

1599. **Cortright, E. Everett.** Fundamentals in primary education. Normal instructor and primary plans, 29: 29, 77, 79, September 1920.

1600. **Hosie, James Fleming.** For democracy--through democracy. Kindergarten and first grade, 5: 265-68, September 1920.

Address given before the International Kindergarten union, Topeka, Kans.

Says that children can be most effectively trained for full and responsible participation in all phases of our democratic life through experience. The children themselves must freely and intelligently participate in common purposes carried out in accordance with plans which they have helped to form.

1601. **Radice, Sheila.** The new children: talks with Dr. Maria Montessori. New York, F. A. Stokes co. [1920] xv, 168 p. illus. 12°.

Also published in London, England, by Holder and Stoughton.

## RURAL EDUCATION.

1602. **National country life conference.** Rural health. Proceedings of the second National country life conference, Chicago, 1919. 242p. 8°. (Charles J. Galpin, executive secretary, Washington, D. C.)

Contains: 1. G. E. Vincent: Better health for rural communities, p. 13-30. 2. Amalia M. Benson: An adventure in rural health service, p. 44-50. 3. Mabel Carney: The schools and rural health, p. 107-110. 4. E. C. Lindeman: Report of committee on recreation, p. 118-33; Discussion, p. 133-36. 5. Report regarding proposed manual of suggestions for rural social work, p. 178-86.

1603. **Calhoun, J. T.** Consolidated schools. Jackson, Miss., State superintendent of education, 1920. 38 p. illus. 8°. (Mississippi. Department of education. Bulletin no. 17)

Consolidation in Mississippi.

1604. **Crawford, R. P.** [Consolidation of schools]. Nebraska farmer, 62: 3-4, July 24; 14-15, July 24; 5-6, September 4; 11, 45-46, September 11, 1920. illus.

The first and second articles deal with consolidation in Indiana, the third and fourth articles with consolidation in Ohio.

1605. ———. Country schools that are making good. School and home education, 40: 17-20, September 1920.

From an address before the Department of rural education, National education association, Salt Lake City, July 6, 1920.

The consolidation of schools and some things that have been accomplished in handling the rural school problem.

1606. **Davis, E. E.** The twentieth century rural school. Indianapolis, The Bobbs-Merrill company [1920] 212 p. 12°.

1607. **Lathrop, Edith A.** Honors for improved rural schools. School life, 5: 13-14, September 15, 1920.

Rewarding excellence in rural schools by cash prizes and by special distinctions. Improving rural schools by standardization.

1608. ———. Improving rural schools by standardization. American school board journal, 61: 33-34, September 1920.

History of the movement, the administration of standardization, results, dangers, etc.

1609. **MacAdam, George.** The art of the "helping teacher." World's work, 40: 516-20, September 1920.

A practical cure for the defects of the one-room, one-teacher school. A new device used in New Jersey—a small corps of women who are known as helping teachers. They are said by Calvin N. Kendall, commissioner of education of New Jersey, to have increased the efficiency of rural schools in that state 100 per cent.



1610. **Shriber, J. H.** Transportation of school children in Colorado. Ft. Collins, Col., Colorado agricultural college [1920] 54 p. illus. 8". (Colorado agricultural college bulletin, ser. xx., no. 8. Rural life betterment series, no. 4)

## SECONDARY EDUCATION.

1611. **Douglass, H. R.** The junior high school and the small town. Oregon teachers monthly, 25: 31-35, September 1920.  
The reasons for the slow spread of the junior high school in the small town and some of its possibilities in the small town.
1612. **Gerrish, William Churchill.** Democracy and the private preparatory schools. School and society, 18: 157-59, September 4, 1920.  
Says, in conclusion, that our private schools which are preparing boys for college, especially those in the East, are pitifully ignorant or woefully neglectful of those powers of mind which a new era is demanding of its coming citizens.

## NORMAL TRAINING.

1613. **Zook, George F.** The Harvard graduate school of education for training teachers and to provide for original investigation. School life, 5: 3-4, September 15, 1920.

## TEACHERS' SALARIES AND PROFESSIONAL STATUS.

1614. **Baker, George M.** The artist teacher. Kentucky high school quarterly, 6: 1-15, July 1920.  
Discusses the characteristics of the artist teacher.
1615. **Burgess, W. Randolph.** Four censuses of teachers' salaries. American school board journal, 61: 27-28, September 1920.  
Some comparisons of the amounts and the distribution of salaries over a period of thirty years with a view to discovering what changes are taking place.
1616. **Claxton, Philander P.** Adequate pay for teachers. School life, 5: 3-4, August 15, 1920.  
Abridged from an address made before the National education association.
1617. **Cleveland, Ohio. Board of education.** Salary schedules of the Cleveland public schools. [Adopted May 24, 1920] Cleveland, O., Board of education, 1920. 15 p. 12". (Bulletin no. 23)  
One of a series of bulletins on what Cleveland's public schools are doing. Gives qualifications and conditions of employment of teachers, principals, supervisors and assistant superintendents.
1618. **Coney, Charlotte.** The social isolation of the teacher. School and home education, 40: 14-17, September 1920.  
The conditions of the teacher's isolation, the causes and the remedies.
1619. **Cook, Katherine M.** Certification by examination—the open door to the teaching profession. American school board journal, 61: 29-30, 119, July 1920.  
The present situation in regard to licensing teachers, the inadequacy of the examination as a test of teaching ability, and the necessity for raising the requirements for certification.
1620. **Evans, John M.** Must spend more money for teaching. Thus only can we be sure that our children will receive the kind of education necessary for their success. School life, 5: 1-2, 9, September 1, 1920.  
An address delivered in the House of Representatives by Hon. John M. Evans, member of Congress from Montana.
1621. **Faulkner, O. E.** Why not teach? Educational administration and supervision, 6: 294-97, May-June 1920.  
Gives many reasons why qualified young people should teach, first, viewed from the standpoint of personal advantage and then from the standpoint of personal service.

1622 **Ferguson, James.** Improving the tenure of teachers. *American school board journal*, 61: 35-36, September 1920.

1623 **Finegan, Thomas E.** The American federation of teachers. *School bulletin*, 46: 222-24, August 1920.

Also with comments in *Educational review*, 60: 164-67, September 1920.  
Opinion of Superintendent of public instruction of Pennsylvania, given July 27, 1920, concerning the teachers of Lancaster, Pa. Super. Finegan thinks that the teachers who affiliated with the American federation of labor discipline themselves for service in the public schools, as their connection with our class in Society rendered them incapable of teaching impartially the children of all classes.

1624 **Griffin, B. F.** Undermining the foundations, a Wall street sermon. *American school*, 6: 139-40, May 1920.

From the Wall Street journal.  
The question of undermining the foundations of our society through the failure in the supply of well-qualified and properly selected teachers. Discusses the lack of suitable pay, etc.

1625 **Hunter, Fred M.** The place of voluntary teachers' organizations in school administration. *Educational administration and supervision*, 6: 241-45, May-June 1920.

The importance of teachers' organizations and their active participation in establishing the policies of the schools.

1626 **Kellogg, Vernon.** The fate of the nation. *North American review*, 212: 301-7, September 1920.

A dissertation on teachers' salaries and the shortage of teachers.

1627 **Kent, Raymond A.** An experiment in salary schedule administration, with special reference to teacher rating. *Educational administration and supervision*, 6: 246-57, May-June 1920.

Tells of a plan worked out for the schools of Lawrence, Kans., its operation and results.

1628 **Miller, Clyde R.** Teachers' salaries openly arrived at. *Survey*, 44: 704-705, September 15, 1920.

Cleveland's new salary schedule and the manner in which the teachers were taken into partnership in the task of making wage adjustment.

1629 **Seerley, Homer H.** Recruiting the teaching profession. *Education*, 41: 20-28, September 1920.

Also in *American school*, 6: 136-37, 139, 151, May 1920.

1630 **Swift, Fletcher Harper.** Teachers' professional degrees. *Educational review*, 60: 136-46, September 1920.

Also with slight variations, under title of Teachers' degrees, in the Times (London; Educational supplement, 40: 437, August 12, 1920).

A history and discussion of the various academic degrees granted to teachers.

1631. [Unionization of teachers—a symposium] *Educational review*, 60: 91-135, September 1920.

CONTENTS.—1. W. C. Curtis: Unionization from the standpoint of a university teacher, p. 91-105. 2. A. O. Lovejoy: Teachers and trade-unions, p. 106-19. 3. C. B. Stillman: The American federation of teachers, p. 120-28. 4. J. E. Russell: Organization of teachers, p. 129-35.

Article 1 favors the unionization of teachers, while article 2 opposes it. Article no. 3, by the president of the American federation of teachers, presents the point of view of his organization. Article 4, which is a summary of an address given at a mass meeting of students in education, summer session, 1919, Columbia university, suggests a platform for an independent organization of American teachers.

#### HIGHER EDUCATION.

1632 **Capen, Samuel P.** The new task of the colleges. *School and society*, 12: 145-53, September 4, 1920.

Address delivered at the semi-centennial of Buchtel College of the Municipal University of Akron, June 16, 1920.

The college of liberal arts and suggestions for recasting its curriculum so that it may get square with the times.

1633. The commercial value of college training. National association of corporation training bulletin, 7: 395-414, September 1920.

The opinions of executives of industrial and commercial organizations on the commercial value of college training.

1634. Hedges, M. H. The teacher's real dilemma. Nation, 3: 214-15, August 21, 1920.

Says that the dilemma that confronts the college teacher is the fact that society, which is organized on a materialistic basis, has committed an idealistic enterprise into his hands. The curriculum is so clogged that the great mass of information concerning social good can not "be set flowing free into the student's mind."

1635. Hudson, Jay William. The college and new America. Foreword by Henry Suzzallo. New York, London, D. Appleton and company, 1920. xi, 202 p. 12°.

Author says the college has an important part to perform in the social reconstruction following the war. In view of this duty, the academic mind should discard mere abstractions, and recognize and assume its social responsibilities.

1636. Thwing, Charles F. Four eminent college presidents retiring from office. Weekly review, 3: 210-11, September 8, 1920.

A characterization of President Schurman of Cornell, Provost Smith of Pennsylvania, President Hall of Clark, and President Dabney of the University of Cincinnati.

#### SCHOOL ADMINISTRATION.

1637. Brewer, John M. A prerequisite to democratic methods in school administration. School and society, 12: 152-57, September 4, 1920.

"According to the plan proposed in this paper, authority and responsibility for adopted policies rest upon the teaching body (under the parliamentary leadership of principal or superintendent), and authority together with responsibility for executing these policies is concentrated in the hands of the executive of the school or school system, that is, the principal or superintendent."

1638. Cook, Henry R. M. Standardization of school accounts and school statistics. American school board journal, 61: 43-45, 115, July 1920.

Address before the National association of school accounting and business officials, Minneapolis, May 19, 1920.

1639. Guthrie, William D. The Federal government and education. Letter to His Grace, Most Rev. Archbishop Hayes. Columbus, Ohio, Catholic educational association, 1920. 13 p. 8°. (Catholic educational association bulletin, vol. 16, no. 4, August 1920.)

Mr. Guthrie of the New York Bar discusses the Smith-Towner bill and the governmental policy it seeks to establish. Recommends that the Catholic educational association place itself on record as opposing the Smith-Towner bill.

1640. Hood, William R. State boards are variously chosen. School life, 7: 5-6, September 15, 1920.

Composition of state boards of education.

1641. Taber, C. W. The publishers' point of view concerning the method of selecting textbooks. American school board journal, 61: 29-31, 99-100, September 1920.

Read July 7, 1920, at Salt Lake City at the fifty-eighth annual convention of the National education association.

#### SCHOOL MANAGEMENT.

1642. Bonser, Frederick Gordon. The elementary school curriculum. New York, The Macmillan company, 1920. xvi, 466 p. 12°.

The content of the curriculum is the chief topic of this book, but there are necessarily some references to method, including considerable attention to projects. The final chapter of the book tells how it may be practically applied in improving curricula.

1643. **Doughton, Isaac.** Elimination of pupils in a small city. American school board journal, 61: 42-44, September 1920.  
A long term study of elimination in a single system. Part I of a study of elimination in Phoenixville, Pa.
1644. **Holsinger, C. K.** Teachers' inaccuracies in marking papers. Virginia teacher, 1: 179-82, August 1920.  
Results of an experiment in marking examination papers, showing that teachers can not mark papers accurately.
1645. **Patri, Angelo.** The first day in school. Red cross magazine, 16: 12-15, 66, September 1920. illus.  
Practical and helpful suggestions for the parents in preparing their children for their first day at school.
1646. **Stewart, John L.** Uniformity of teachers' marks versus variability. School review, 28: 529-33, September 1920.  
Describes an effort made by the faculty of the high school of Parkersburg, W. Va., to discover and to rectify wide variations in marking. Illustrated by graphs.

## SCHOOLHOUSES AND GROUNDS.

1647. **Burgess, W. Randolph.** Fluctuations in school building costs. School life, 5: 11-12, August 15, 1920.  
Read before the Department of school administration, National education association, July 1920.  
Costs have advanced a hundred times since 1820—three times since 1915.
1648. **Dresslar, F. B.** Report on the Rosenwald school buildings. Nashville, Tenn., The Julius Rosenwald fund [1920]. 81 p. illus. 8°.  
Mr. Julius Rosenwald placed in the hands of the late Dr. Booker T. Washington a sum of money sufficient to make an experiment in school building in six rural communities of Alabama. The experiment was so successful that at the present time Mr. Rosenwald is providing a budget of something like \$140,000 a year for the building of rural schools for Negroes in eleven Southern States.
1649. **Milligan, R. M.** The school board, the architect and the builder. American school board journal, 61: 37-40, 95, 97, September 1920.  
Read before the National association of school accounting and business officials, May 8, 1920.  
Relationships of the school board, the architect and the builder.
1650. **Strayer, G. D. and Engelhardt, N. L.** Score card for city school buildings. New York city, Teachers college, Columbia university, 1920. 45 p. 8°.  
(Teachers college bulletin, no. 10, 11th series, January 17, 1920)

## SCHOOL HYGIENE AND SANITATION.

1651. **Childs, L. W.** Adenoids and arithmetic. Cleveland, O., Board of education, 1920. 16 p. illus. 12°. (Cleveland, Ohio. Board of education. Bulletin no. 1)  
One of a series of bulletins on What Cleveland's public schools are doing. Tells of the work of the department of medical inspection, school nurses, dental clinics, open air schools, schools for the crippled, and dispensaries.
1652. **Grier, N. M.** Concerning the present day status and the future of public school physiology. Public health (Lansing, Mich.), 8: 312-18, August 1920.
1653. **Meredith, Florence L.** School health. Oklahoma school herald, 28: 5-7, September 1920.  
Some suggestions for giving health education in the schools.
1654. **Shaw, Henry Larned Keith.** Preventing decay in children's teeth. Mother and child, 1: 113-17, October 1920. illus.

1655. **Wood, Mrs. Ira Couch.** Nutrition classes in Chicago high schools. *Mother and child*, 1: 127-36, October 1920.  
Shows how the work in the nutrition classes is conducted and some of the results obtained.

#### PHYSICAL TRAINING.

1656. **Bear, Beatrice E.** The British system of physical education: a textbook for teachers. With foreword by Sir James Crichton-Browne. London, G. Bell and sons, Ltd., 1920. xii, 128 p. illus. 8°.

#### PLAY AND RECREATION.

1657. **Hayward, F. H.** A first book of school celebrations. London, P. S. King & son, Ltd., 1920. 167 p. 8°.  
1658. **Watson, Foster.** The significance of leisure. *Contemporary review*, 118: 238-45, August 1920.

True leisure, according to this article, is the thoughtful, contemplative, reflective attitude towards work and life. The adoption of this attitude would not mean less valuable but more valuable work.

#### SOCIAL ASPECTS OF EDUCATION.

1659. **Paton, Stewart.** Democracy's opportunity. *Scientific monthly*, 11, 254-62, September 1920.

The importance of the study and teaching of eugenics.

1660. **Sims, Newell Leroy, comp.** The rural community, ancient and modern. New York, Chicago [etc.] Charles Scribner's sons [1920] xxiii, 916 p. 8°.

A compilation of standard material on the rural community, designed for both the college student and the general reader. In classroom work, the volume is adapted to serve as a basis for the study of rural sociology by means of the case system.

#### CHILD WELFARE.

1661. **U. S. Children's bureau.** Child-welfare programs. Study outlines for the use of clubs and classes. Washington, Government printing office, 1920. 35 p. 8°. (Publication no. 73. Children's year follow-up series no. 7).

#### MORAL AND RELIGIOUS EDUCATION.

1662. **Braley, E. F.** 'Sir Hobbard de Hoy'; the religious education of the adolescent. London, Macmillan and co., limited, 1920. viii, 153 p. 12°.  
1663. **Hannan, F. Watson.** The Sunday school an evangelistic opportunity. New York, Cincinnati, The Methodist book concern [1920] 138 p. 16°.

#### MANUAL AND VOCATIONAL TRAINING.

1664. **National association of corporation schools.** Seventh annual proceedings. Addressee, reports, bibliographies and discussions. . . Chicago, Ill., June 2-6, 1919. 823 p. 8°. (Lee Galloway, secretary, New York University, New York, N. Y.)

Contains: 1. Committee on executive training, p. 65-101. 2. Committee on technical training, p. 105-48. 3. Committee on organization and administration, p. 151-231. 4. Committee on marketing, p. 235-78. 5. Committee on trade apprenticeship, p. 279-321. 6. Committee on employment, p. 327-438. 7. Committee on unskilled labor and Americanization, p. 461-527. 8. Committee on continuation schools, p. 531-60. 9. Committee on public education, p. 563-601. 10. Committee on methods of instruction, p. 605-84. 11. Committee on office work training, p. 687-724. 12. Committee on health education, p. 727-64.

1665. **Brewer, John M.** Summary of conclusions in vocational education. *Education*, 41: 53-57, September 1920.

A summary of conclusions in regard to principles and practice of vocational education, prepared by a class of graduate students in Harvard university at the end of their course in the subject in June 1920.

1666. **Bryan, Enoch A.** Vocational responsibility. *Journal of education*, 92: 171-72, September 2, 1920.

Some suggestions for carrying on vocational work in the public schools in order that proper returns may be obtained.

1667. **Ericson, E. E.** A solution of the "high cost of lumber" problem for high school carpentry work. *Manual training magazine*, 22: 61-69, September 1920.

1668. **Fitzpatrick, Edward A.** Labor and education in Wisconsin. *Schools & people*, 2: 4-6, August-September, 1920.

1669. **Mallory, Benjamin E.** The foreman - his training and education. *Annals of the American academy of political and social science*, 91: 121-26, September 1920.

1670. **Payne, Arthur Frank.** The measuring of trade knowledge and trade skill. *Industrial arts magazine*, 9: 379-81, October 1920.

Gives four types of trade tests.

1671. **Simpson, Lucie.** Vocational education in America. *Fortnightly review*, 108: 290-300, August 1920.

Comments on the present dominance of the vocational ideal in American education

1672. **Van Gaasbeek, Richard M.** An example of efficient vocational education. *Industrial arts magazine*, 9: 389-92, October 1920. illus.

Vocational education at the School of science and technology, Pratt institute, Brooklyn, N.Y.

#### VOCATIONAL GUIDANCE.

1673. **Crathorne, A. R.** Change of mind between high school and college as to life work. *Educational administration and supervision*, 6: 274-84, May-June 1920.

A questionnaire was sent to college freshmen. Answers were received from 2,681 freshmen from eleven widely scattered states. 57% had entered high school with some definite occupation in view. Upon entrance to college about one-half of these had changed their minds.

1674. **Greener, George C.** Vocational guidance in prevocational schools. *Industrial arts magazine*, 9: 381-83, October 1920.

A course in vocational guidance worked out in the North Bennet street industrial school in Boston

#### AGRICULTURAL EDUCATION; HOME ECONOMICS.

1675. **Harlan, Mabel L.** Purdue university's new practice house. *American cookery*, 25: 91-95, August-September 1920. illus.

The practice house under the supervision of the Department of home economics, Purdue university. General plan of work.

1676. **Johnson, A. Grace.** Child care in the Oregon agricultural college practice house. *Journal of home economics*, 12: 343-53, August 1920.

Results of seven and one-half months experience in actual practice in the care and training of the child.

1677. **La Chard, Thérèse.** Needlework teaching in the elementary school. London, William Heinemann, 1920. 4 p. l., 160 p. illus. 12°.

1678. **Morgan, Agnes Fay.** Home economics courses and the higher institution of learning. *School review*, 28: 534-47, September 1920.

1679. **Thomas, R. H.** The school cafeteria. *American school board journal*, 41: 35-37, July 1920.  
Address before the National association of school accounting and business officers, Minneapolis, May 20, 1920.  
Some suggestions for managing a school cafeteria.

## COMMERCIAL EDUCATION.

1680. **Fitzpatrick, Edward A.** The university's service to business. *School and society*, 12: 186-93, September 11, 1920.  
Speech delivered at the Conference on business education held under the auspices of the Illinois Chamber of Commerce at the University of Illinois, May 3, 1920.  
The writer says that there are two specific services that the university may render to modern business. The first is the training of the type of men to meet the conditions of business in the twentieth century. The other is the utilization of research for the development of business.
1681. **Kramer, Frank Henry.** Experimental research as a factor in commercial education. *Semerville, N. J. The Semerville pub. co.*, 1920. 187 p. 8°.  
A thesis presented to the faculty of the Graduate school, University of Pennsylvania, in partial fulfillment of the requirements for the degree of doctor of philosophy.

## PROFESSIONAL EDUCATION.

1682. **Beard, Richard Olding.** The social, economic, and educational status of the nurse. *American journal of nursing*, 20: 874-78, 955-62, August, September 1920.
1683. **Timbie, William H.** The co-operative course in electrical engineering at the Massachusetts institute of technology. *Science, n. s.*, 52: 163-65, August 20, 1920.  
Course covers a total of 5 years. The last three years are divided between instruction in theory at the institute and practice at the Lynn works of the General Electric co.

## CIVIC EDUCATION.

1684. **Bouglé, C.** Le citoyen moderne. *Revue pédagogique*, 77: 79-94, August 1920.
1685. Civic instruction in sixty typical cities. *School life*, 5: 3-5, September 1, 1920.  
Information collected by the Greater Terre Haute club concerning extent and methods of procedure in teaching civics in typical cities. Interest is awakening but effective work is done in only a few places.
1686. **Johnson, Edward C.** Biology and agriculture as training for citizenship. *School and society*, 12: 214-18, September 18, 1920.  
Address before the biological section of the Inland empire teachers' association.
1687. **Pickell, Frank G.** Training for citizenship through practice. *School review*, 28: 518-28, September 1920.  
Advocates a system of student cooperation or participation with the faculty in school government. Gives the constitution of the student council of the Lincoln, Nebr., high school.

## AMERICANIZATION.

1688. **Henry, Mary Bess.** Santa Ana's problem in Americanization. A study of the intelligence, school progress and home conditions of Mexican school children, including parental attitude toward citizenship. Santa Ana, Cal., 1920. 24 p. illus. 8°. (Santa Ana, Cal. Public schools. Department of research. Bulletin no. 2, February 1920).
1689. **Stanley, Grace C.** Special schools for Mexicans. *Survey*, 44: 714-15, September 15, 1920.  
The Mexicans of San Bernardino, Calif., and their need for special schools. The writer says that in the past the mixed schools have not been a success in meeting the needs of the situation.



1690. **Towne, Charles F.** The organization of lessons in English for Americanization classes. *School and society*, 12: 183-86, September 11, 1920.  
Address given at the Cleveland meeting of the National society for the study of education, February 23, 1920.

## EDUCATION OF SOLDIERS.

1691. **Harlee, William C.** Marines taught by correspondence. *School life*, 5: 1, 6-7, September 1, 1920.  
Effective instruction given by the Marine Corps Institute to the men of the Corps in every part of the world.
1692. **Lecky, Prescott.** Organizing the Army school. *America*, 23: 502-503, September 11, 1920.  
The Recruit educational center at Camp Upton, New York.

## EDUCATION OF WOMEN.

1693. **Chancellor, William Estabrook.** Co-education in higher institutions pro and con. *Journal of education*, 92: 227-31, September 16, 1920.
1694. **West, Mrs. Max.** If not why not? *Journal of home economics*, 12: 337-47, August 1920.  
The value of a college education to women and what a girl should get from her college training.

## NEGRO EDUCATION.

1695. **Buttrick, Wallace.** Baptist schools as promoters of Negro education. *Missions*, 11: 455-57, September 1920.  
Address of the president of the General education board at the Buffalo convention of the Northern Baptist convention.  
The progress in public school education for Negroes in the South and the forces and organizations that have brought this about.
1696. **Williams, W. T. B.** The opportunity of Negro teachers. *Southern workman*, 49: 400-02, September 1920.  
An address delivered at the summer school of Hampton institute, July 1920, by the field director for the Jeanes and Slater funds.

## EDUCATION OF DEAF.

1697. **American association to promote the teaching of speech to the deaf.** [Papers read at the thirtieth annual meeting, Mt. Airy, Philadelphia, Pa., July 1920] *Volta review*, 22: 529-63, September 1920.  
Contains: 1. F. M. Driggs: The use of English in schools for the deaf, p. 529-32; Discussion, by J. Evelyn Willoughby, p. 532-35. 2. Martha E. Bruhn: The Müller-Walle method, p. 536-39. 3. A. E. Pope: Correlation of industrial and academic work, p. 539-46. 4. Percival Hall: Retrospect and prospect, p. 546-50. 5. J. S. Long: The teaching of history, p. 550-52; Discussion, by Mabel E. Adams, p. 552-57.
1698. **Convention of American instructors of the deaf and American association to promote the teaching of speech to the deaf.** [Papers read at the joint convention, Mt. Airy, Philadelphia, June 28-July 3, 1920] *American annals of the deaf*, 65: 341-428, September 1920.  
Contains: 1. A. L. E. Crouter: The Pennsylvania institution for the deaf—past and present, p. 357-67. 2. F. R. Wheeler: Growth of American schools for the deaf, p. 367-78. 3. J. W. Jones: Language for advanced grades of deaf pupils, p. 378-94. 4. H. E. Day: Preparation for college in English composition, p. 395-402. 5. C. L. McLoughlin: The Rochester method, p. 403-13. 6. Mabel E. Adams: History teaching, p. 414-24.

## EXCEPTIONAL CHILDREN.

1699. **Abelson, A. R.** The psychology of the delinquent child. *Child* (London) 10: 529-36, September 1920.

1700. **Anderson, V. V.** State institutions for the feeble-minded. *Mental hygiene*, 4: 626-46, July 1920.  
A discussion of the construction, administration, and operation of an institution for the feeble-minded. Data based on a study of certain leading institutions for the feeble-minded.
1701. **Cleveland, Elizabeth.** Detroit's experiment with gifted children. *School and society*, 12: 179-83, September 11, 1920.  
Address given at the Cleveland meeting of the National society for the study of education, February 23, 1920.
1702. **Platt, Rutherford H., jr.** A new way with dullards and scapegraces. *World's work*, 40: 506-15, September 1920.  
The human problems in the schoolroom and what the measurement of the mind tells us to do about them. The paradox of the "retarded" child. Forecasting a career. The scope and significance of mental tests.
1703. **Taft, Jessie.** Problems of social case work with children. *Mental hygiene*, 4: 537-49, July 1920.  
A discussion of the practical application of mental hygiene to individuals who need it. Says that case problems with children, as with adults, arise through some "blocking of the main trends of life—love and creative work."
1704. **Wallin, J. E. W.** The problem of mental subnormality. St. Louis, Mo., 1920. 8 p. 8°. (Bulletin of Central council of social agencies. vol. 1, no. 3, February 1920)
1705. **Whipple, Guy M.** Some features of the education of gifted children. *School and society*, 12: 175-79, September 11, 1920.  
Address given at the Cleveland meeting of the National society for the study of education, February 23, 1920.

## EDUCATION EXTENSION.

1706. **Greenwood, Arthur.** The education of the citizen, being a summary of the proposals of the Adult education committee. London, Workers' educational association [1920] 64 p. 8°.   
An attempt to present in an abbreviated form the conclusions reached by the Adult education committee of the British Ministry of reconstruction in their final report.

## LIBRARIES AND READING.

1707. **Bass, Altha Leah.** Selecting material for the story hour. *Oklahoma school herald*, 28: 1-4, September 1920.
1708. **Bishop, William Warner.** Our college and university libraries—a survey and a program. *School and society*, 12: 205-14, September 18, 1920.  
An address before the Ohio college association, April 1919.  
A survey of college libraries in relation to instruction, research, and culture. Tells of the more immediate needs of the college library.
1709. **Brainerd, Jessie F.** What one student library council does for its library. *Public libraries*, 25: 413-15, July 1920.  
By the librarian of the high school at Hackensack, N. J.
1710. **Long, Alice B.** State school library laws, a digest. *Wilson bulletin* (The H. W. Wilson company, New York) 1: 505-13, September 1920.
1711. **Spargo, John.** Reaching the immigrant through books. *Journal of education*, 92: 173-74, September 2, 1920.  
Address before the American booksellers' association, Philadelphia, May 11, 1920.
1712. **Watkins, L. T.** Libraries in Indian high schools. Calcutta, Superintendent government printing, India, 1920. 2 p. l., 56 p. 8°. (India. Bureau of education. Pamphlet no. 8)

1713. **Wheeler, Joseph L.** Home reading with school credit. *Library journal*, 45: 679-82, September 1, 1920.  
The story of home reading with school credit as a project in the Youngstown, Ohio, public schools.

## BUREAU OF EDUCATION: RECENT PUBLICATIONS.

1714. Agricultural and mechanical colleges, including statistics for 1917-18; by Walton C. John. Washington, 1920. 80 p. (Bulletin, 1920, no. 8)
1715. Correspondence study in universities and colleges; by Arthur J. Klein. Washington, 1920. 34 p. (Bulletin, 1920, no. 10)
1716. The feasibility of consolidating the schools of Mount Joy township, Adams County, Pa.; by Katherine M. Cook and W. S. Deffenbaugh. Washington, 1920. 28 p. (Bulletin, 1920, no. 9)
1717. Junior high school mathematics. A preliminary report by the National committee on mathematical requirements. Washington, 1920. 11 p. (Secondary school circular no. 6, July 1920)
1718. Lessons in civics for the six elementary grades of city schools; by Hannah Margaret Harris. Washington, 1920. 110 p. (Bulletin, 1920, no. 18)
1719. Lessons in civics for the three primary grades of city schools; by Hannah Margaret Harris. Washington, 1920. 64 p. (Teachers' leaflet no. 9, July 1920)
1720. Nurse training schools, 1917-18. Washington, 1920. 99 p. (Bulletin, 1919, no. 73)  
Advance sheets from the Biennial survey of education in the United States, 1916-1918.
1721. Private commercial and business schools, 1917-18. Washington, 1920. 123 p. (Bulletin, 1919, no. 47)  
Advance sheets from the Biennial survey of education in the United States, 1916-1918.
1722. Statistics of normal schools 1917-18; by L. E. Blauch and H. R. Bonner. Washington, 1920. 115 p. (Bulletin, 1919, no. 81)  
Advance sheets from the Biennial survey of education in the United States, 1916-1918.
1723. The university extension movement; by W. S. Bittner. Washington, 1920. 124 p. (Bulletin, 1919, no. 84)

