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WALL-MAPS OF PALESTINE.

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IN order to meet the requests of those who desire to know what maps of Palestine are on the market, and what maps are most serviceable for the Sunday school, the lecture-room, and the study, the following list has been prepared at the solicitation of the editors of the *BIBLICAL WORLD*. Thanks are due to those who have kindly aided in the collection of the facts by sending circulars, price lists, etc., and by willingly submitting their maps for examination.

I. OLD AND NEW TESTAMENT MAP OF PALESTINE, in 20 sheets.

Edited by GEORGE ARMSTRONG, Secretary of the Palestine Exploration Fund. London, England: Stanford's Geographical Establishment. Scale, $\frac{3}{8}$ of an inch = 1 mile. Price, to subscribers to the Fund, \$6; non-subscribers, \$9.25.

The same map can be had mounted on cloth, rollers, and varnished for hanging. Size, 8 × 6 feet. Price, to subscribers to the Fund, \$11.25; non-subscribers, \$14.

The same map, mounted on cloth, to fold in three parts in a neat portfolio. Price, to subscribers, \$11.25; non-subscribers, \$14.

The same map can be had mounted in any form to suit subscribers, plus the additional cost of mounting.

This map embraces both sides of the Jordan, and extends from Baalbek in the north to Kadesh Barnea in the south. Modern names are in black; Old Testament and Apocrypha names in red; New Testament, Josephus, and Talmudic names in blue; the tribal possessions are tinted in colors.

In all the Palestine Exploration Fund maps, but especially in this one, the printing and abundance of material are such as to require very close inspection. The map itself, based for western Palestine on map No. 5 (see below), and for other portions on the most accurate available sources, has become the standard of accuracy for all modern maps of Palestine; but its class-room usefulness is much diminished by its exhaustive detail. Admirably adapted to use in a private study. It is sold by Rand, McNally &

Co., Chicago. Price, \$22 ; with spring rollers, \$25 ; in spring-roller case, \$30.

2. MODERN MAP OF PALESTINE, in 20 sheets. Published same as No. 1. Scale, $\frac{3}{8}$ of an inch = 1 mile. Price, to subscribers, \$6 ; non-subscribers, \$9.25.

The same mounted on cloth, to fold in three parts in a neat portfolio. Price, to subscribers, \$11.25 ; non-subscribers, \$14.

The same map can be had mounted in any form to suit subscribers, plus the additional cost of mounting.

3. OLD AND NEW TESTAMENT MAP OF PALESTINE, in 12 sheets. Scale, $\frac{3}{8}$ of an inch = 1 mile. Price, to subscribers, \$4.50 ; non-subscribers, \$6.

This map can be had mounted on cloth, rollers, and varnished for hanging. Size, $6\frac{3}{4} \times 4\frac{1}{2}$ feet. Price, to subscribers, \$6.50 ; non-subscribers, \$9.50 ; mounted on cloth to fold in a neat case, \$5 ; mounted on cloth to fold in a portfolio, \$6 ; or mounted in any other form desirable (cost of mounting extra).

Lettering and coloring same as No. 1. Diminution in size is accomplished by cutting off the extreme northern and eastern portions of map No. 1, which lie outside Palestine proper.

4. Same as No. 3, with only the modern names on it. Price, to subscribers, \$4.50 ; non-subscribers, \$6.

Any single sheet of the map can be had separately. Price, to subscribers, \$0.50 ; mounted on cloth to fold in the pocket, suitable for traveling, \$0.60 ; to the public, \$0.60 and \$0.75.

5. THE GREAT MAP OF WESTERN PALESTINE, in 26 sheets, with a portfolio. London, 1880. Scale, 1 inch = 1 mile. Price, to subscribers, \$13.50 ; non-subscribers, \$18. These prices are for the map in sheets, unmounted.

The same map, mounted on rollers for hanging. Size, 13×7 feet. Price, to subscribers, £3 17s. 6d. ; non-subscribers, £5 5s. (Prices not quoted by the American representative.)

The sheets (XIII, XVI, and XVII) containing the new railway, Jaffa to Jerusalem, and other single sheets of the Great Map, can be had separately. Price, to subscribers, \$0.60 each ; non-subscribers, \$0.70 each.

Emil Schürer says of this map : "In the department of map-drawing, all earlier productions have been put in the shade by the great English map

in twenty-six sheets, produced on the spot by the Palestine Exploration Society during the years 1872-7, according to exact topographical measurement of the country west of the Jordan." (*The Jewish People in the Time of Jesus Christ*, Div. I, Vol. I, p. 15.)

6. THE REDUCED MAP OF WESTERN PALESTINE, in 6 sheets, showing water basins in color, and five vertical sections, showing the natural profiles of the ground according to the variations of the altitude above or below sea level. London, 1881. Scale, 1 inch = $2\frac{3}{4}$ miles. Price, to subscribers, \$3.50; non-subscribers, \$5.

The same map, mounted on rollers for hanging. Price, to subscribers, \$4.50; non-subscribers, \$6.

The same map, mounted on cloth and in a neat case, $10\frac{1}{2} \times 8$ inches. Price, to subscribers, \$4.50; non-subscribers, \$6.50.

This map is very valuable for the study of the physical geography of Palestine.

Dr. Theodore F. Wright, Cambridge, Mass., is general secretary of the Palestine Exploration Fund for the United States, and any of the Palestine Exploration Fund maps can be ordered through him.

7. RELIEF MAP OF PALESTINE. Constructed from the surveys of the Palestine Exploration Fund and other sources. By GEORGE ARMSTRONG, Secretary of the Palestine Exploration Fund. Washington, D. C.: Edwin E. Howell, 1893. Size, 7 feet 9 inches \times 4 feet. Scale (horizontal), $\frac{3}{8}$ of an inch = 1 mile; vertical scale, $3\frac{1}{2}$ times the horizontal. Price, \$55; fully colored, \$60.

The most scientifically accurate relief map of Palestine published. Should be in the possession of every theological school. Has the disadvantage for ordinary class use of showing no boundaries, and of indicating places only by figures referring to an index on the margin.

8. RELIEF MAP OF PALESTINE. Edited by ERNEST D. BURTON, of the University of Chicago. Chicago: Central School Supply House, 1895; revised 1898. Size, 41 \times 28 inches. Price, \$20.

This map is conformed to the surveys of the Palestine Exploration Fund, and in the main is as accurate in detail as its size permits. It has the advantage over the Palestine Exploration Fund relief map of showing biblical

names and boundaries, of being light in weight, portable, and not liable to fracture. It is well adapted to private study and small class-rooms; can be read at a distance of about twenty feet. All the main features are clearly visible at a distance of sixty feet.

9. PARTS OF WESTERN ASIA, WITH PALESTINE, SYRIA, AND THE GREAT DESERT. By H. S. OSBORN, LL.D. Oxford Map Publishers, Oxford, O. Size, 56 (length) \times 72 inches. Scale, 1 inch = 20 miles. Price, \$5.

The value of this map is that it puts before the student's eye the position of Palestine with respect of the rest of western Asia. As a map of Palestine proper it has, and probably was intended to have, little or no value.

10. MAP OF PALESTINE AND OTHER PARTS OF SYRIA. By H. S. OSBORN, LL.D. Oxford Map Publishers, Oxford, O., 1890. Size, 114 \times 72 inches. Scale, 1 inch = 1 $\frac{2}{3}$ miles. Price, \$10; with spring roller, \$15.

This map is based on the best sources of information, including the Palestine Exploration Fund maps. It aims at clearness rather than great detail, has heavy type in keeping with the importance of the places designated, and, although by no means so minutely accurate as the Palestine Exploration Fund maps, is admirably adapted for Sunday-school and lecture purposes. Can be used fairly well at a distance of forty feet. Of the maps now published this is the most useful for large lecture-rooms.

11. EIGHT-SHEET MAP OF PALESTINE, WITH PLANS OF JERUSALEM AND VICINITY. New York: Colton, Ohman & Co., 1874. Size, 116 \times 81 inches. Scale, $\frac{5}{8}$ of an inch = 1 mile. Price, on cloth, \$10; mounted, \$15.

The lettering of this map is heavy and distinct, red designating the provinces and black the tribal divisions. The eye is not confused by an overabundance of topographical detail, but is somewhat perplexed by the multiplicity of names. A profile showing the elevations and depressions in a cross section from the Mediterranean to the Dead Sea, and the insertion of portions of the United States in order to give the student a more accurate idea of the size of Palestine, add to the practical value of the map. As compared with Osborn's large map, it is less attractive in appearance and has less topographical detail. Traveling lecturers who want a map that can be folded will find the cloth map convenient. For most other purposes the Osborn map is better.

12. NEW TOPOGRAPHICAL MAP OF PALESTINE. New York: Colton, Ohman & Co., 1894. Size, 80 × 60 inches. Scale, $\frac{3}{8}$ of an inch = 1 mile. Price, on cloth, \$5; mounted, \$7.

Compiled from maps of the Palestine Exploration Fund and other sources. Accurately drawn. Very detailed. Biblical names of places are printed in heavy type, modern names in light type. The tribal divisions are indicated by heavy red lettering, and have relatively too great importance. The names of provinces are in heavy black letters. This map has, in a large measure, succeeded in combining accuracy and detail with serviceableness for small class-rooms and private studies. Can be used at a distance of ten or fifteen feet.

13. OLD TESTAMENT MAP OF PALESTINE. New York: Colton, Ohman & Co., 1875. Size, 58 × 41 inches. Price, on cloth, \$3; mounted, \$4.

The same reduced to 41 × 28 inches (13*a*). Price, in sheets (paper), \$1.25; on cloth, \$1.50; mounted, \$2.

A useful map for the study of the times of Joshua and the Judges. Adapted to use at a distance of about twenty feet.

14. NEW TESTAMENT MAP OF PALESTINE. New York: Colton, Ohman & Co., 1875. Size, 58 × 41 inches. Price, on cloth, \$3; mounted, \$4.

The same reduced to 41 × 28 inches. Price, in sheets (paper), \$1.25; on cloth, \$1.50; mounted, \$2.

These maps are not very attractive, and strict accuracy cannot be guaranteed. The larger map is adapted to use at a distance of about twenty feet.

15. SEA OF GALILEE AND VICINITY. New York: Colton, Ohman & Co., 1889. Size, 42 (length) × 58 inches. Scale, $1\frac{3}{4}$ inches = 1 mile. Price, on cloth, \$3; mounted, \$5.

The same reduced to 30 × 36 inches. Price, on cloth, \$1.50; mounted, \$2.50.

This map is helpful for the study of Jesus' Galilean ministry. Both the biblical and modern names are given. Type good; mountains and rivers fairly distinct; general coloring unattractive; chief cities and towns marked red; strict accuracy cannot be guaranteed. Can be read at a good distance.

16. PALESTINE UNDER THE MONARCHY. (Showing extent of the kingdom under David and Solomon, and a ground plan

of Solomon's temple.) New York: Colton, Ohman & Co.
Size, 60 × 40 inches. Price, on cloth, \$3; mounted, \$5.

The coloring and printing of this map are dim and unsatisfactory. Accuracy cannot be guaranteed.

17. PALESTINE UNDER THE ROMANS. (Illustrating the journeys, life, and work of our Lord.) New York: Colton, Ohman & Co. Size, 80 × 60 inches. Price, on cloth, \$5; mounted, \$7.

This map is fairly accurate, but the coloring and printing are confusing. Names of provinces are printed in heavy black type. The journeys of Christ (conforming to S. J. Andrews' *Life of Our Lord*) are indicated by blue, red, and black lines.

18. POCKET MAP OF PALESTINE. New York: Colton, Ohman & Co. Size, 22 × 30 inches. Price, printed on bond paper and folded in a neat cover with side stamp, \$0.50.

On this little sheet are two maps, one illustrating Old Testament and the other New Testament and Josephus. There is also a table of distances, elevations, etc.

19. MAP OF BIBLE LANDS AND CHART OF BIBLE HISTORY. Chicago: Rand, McNally & Co. Size, 60 × 40 inches. Price, \$5; with spring roller, \$6.50.

This collection on one sheet includes some twenty-five maps and charts, in addition to the map of Palestine which is given the central place. Of these additional maps some nine are of sections and provinces of Palestine, and illustrate different periods and events in the life of Christ. The other maps, arranged about the Palestine collection, are of the Old Testament world, the Roman empire in New Testament times, and the journeys of Paul. So much material put on a sheet 60 × 40 inches, while giving a somewhat broad survey, necessarily makes the map of Palestine poorly adapted for lecture and Sunday-school use. The accuracy of these maps cannot be guaranteed.

20. PALESTINE. (Kiepert's *Ancient History* Series.) Published in Germany. Size, 80 × 54 inches. Price, \$6; in spring-roller case, \$9. Sold by Rand, McNally & Co., Chicago.

This map cannot be recommended, having been drawn before the existence of accurate surveys.

21. NEW TESTAMENT MAP OF PALESTINE, Boston: F. H. Gilson Co., Pilgrim Press. Size, 44 × 32 inches. Price, \$1; mounted on spring roller, \$1.50.

Based on the map given in Smith's *Historical Geography of the Holy Land*, which is in turn based on the maps of the Palestine Exploration Fund. Places of less importance are omitted. A very good map for a study or small class-room. Published at a remarkably low price.

22. OLD TESTAMENT MAP OF PALESTINE. Boston : F. H. Gilson Co., Pilgrim Press.

Same as above, adapted to Old Testament study. Both of these maps are handled by the Congregational Sunday School and Publishing Society, Boston and Chicago.

23. PALESTINE : compiled from the Palestine Exploration Society's reports, and other sources. By CHARLES E. PETFORD. Chicago : Century School Supply Co., 1895. Size, 48 × 36 inches. Scale, 1 inch = 5 miles. Price, mounted, \$4.50 ; spring-roller case, \$6.

This map is accurately drawn, and the important names and features can be distinguished at a distance of some fifteen feet. It shows tribal divisions, and is adapted to the study of the Old Testament chiefly. Price rather high.

24. TOPOGRAPHICAL MAP OF PALESTINE : drawn from the Palestine Exploration Fund reports. By CHARLES E. PETFORD. Chicago : Century School Supply Co., 1895. Size, 48 × 36 inches. Price, mounted, \$4.50 ; spring-roller case, \$6.

The coloring of this map is excellent, and the topographical effect is clearly discernible at a distance of fifty feet and more. A scale of elevations and depressions is inserted in the lower left-hand corner of the map. No names are given on the map, so that of itself it is impractical for independent use in the Sunday-school room. In the hands of a good teacher or lecturer it would be very serviceable.

25. PALESTINE : illustrating the journeys of Jesus. By CHARLES E. PETFORD. Chicago : Century School Supply Co., 1895. Size, 48 × 36 inches. Price, mounted, \$4.50 ; spring-roller case, \$6.

This map aims to give the journeys of Jesus by the use of pink, yellow, green, purple, and red lines. On the margin there is a chronological index, by H. B. Waterman, referred to by figures on the face of the map ; so that the names, dates, and places of important events, together with the New Testament references, may be ascertained. The map is somewhat confusing. These maps, 23, 24, and 25, together with a map of the plants and animals

of Palestine, compose a serviceable class-room portfolio. With the portfolio of the four maps in the spring-roller case is supplied an extensible tripod which enables the teacher to set up the maps in any position in the school. A 450-page handbook of the Holy Land, by H. B. Waterman, is included in the portfolio. Price of the entire outfit, \$17.50.

26. OLD TESTAMENT MAP OF PALESTINE. (International Sunday School wall-map B.) St. Louis, Mo.: A. H. Eilers & Co. Size, 60 × 40 inches. Price, mounted and varnished, \$3.50; with spring roller, \$4.50.

The printing and coloring of this map are attractive and clear, but the material is scanty, and the accuracy cannot be guaranteed.

The same reduced to 46 × 34 inches. Price, on white muslin, \$1.50; mounted and varnished, \$2.

27. MAP OF PALESTINE AT THE TIME OF CHRIST. (International Sunday School wall-map C.) St. Louis, Mo.: A. H. Eilers & Co. Size, 72 × 48 inches. Price, mounted and varnished, \$6; with spring rollers, \$7.50.

The material of this map is too meager, and is not accurate.

The same reduced to 46 × 34 inches. Price, on white muslin, \$1.50; mounted and varnished, \$2.

28. NEW TESTAMENT MAP OF PALESTINE. St. Louis, Mo.: A. H. Eilers & Co. Size, 46 × 34 inches. Price, on white muslin, \$1.50; mounted and varnished, \$2.

The provinces are very clearly indicated by strong coloring, and the printing is heavy and distinct. Statistics are given for the present population of cities and towns. The material of the map is meager, and accuracy cannot be guaranteed.

29. THE HOLY LAND (to illustrate the Old Testament), and THE HOLY LAND (to illustrate the New Testament). London: W. & A. K. Johnston. Two maps on one sheet. Size, each, 42 × 24 inches. Scale, 6 miles = 1 inch. Price, formerly quoted by W. A. Olmsted (deceased and establishment closed), Chicago, \$2.25; in veneer case, with spring roller, \$3.50.

These maps are clear and attractive, fairly accurate, and not overcrowded with material. They would be useful for small Sunday-school rooms, though not sufficiently minute for private study.

30. NEW TESTAMENT MAP OF PALESTINE. Chicago : Fleming H. Revell Co. Size, 43 × 28 inches. Price, \$1.50.

This map is of some value for use in smaller class-rooms, but the coloring of the map is not as decided as one would wish, and strict accuracy cannot be guaranteed.

31. OLD TESTAMENT MAP OF PALESTINE. Chicago : Fleming H. Revell & Co.

Size, price, and characteristics same as 28; adapted to Old Testament use only.

32. CANAAN AS ALLOTTED TO THE TWELVE TRIBES. By T. RUDDIMAN JOHNSTON, F.R.G.S. Chicago : Fleming H. Revell Co. Size, 44 × 26 inches, and 54 × 46 inches.

33. THE KINGDOMS OF SAUL, DAVID, AND SOLOMON. By T. RUDDIMAN JOHNSTON, F.R.G.S. Chicago : Fleming H. Revell Co. Sizes, same as 30.

34. PALESTINE IN THE TIME OF CHRIST AND THE APOSTLES. By T. RUDDIMAN JOHNSTON, F.R.G.S. Chicago : Fleming H. Revell Co. Sizes, same as 30.

35. PHYSICAL MAP OF MODERN PALESTINE. By T. RUDDIMAN JOHNSTON, F.R.G.S. Chicago : Fleming H. Revell Co. Sizes, same as 30.

These four maps, 32 to 35 inclusive, are included in Revell's "Biblical Wall Atlas," which is composed of sixteen maps, each 54 × 46 inches, mounted in a spring-roller case. Price, \$40. The same maps can be had in the smaller size, 44 × 26 inches, in a neat portfolio. Price, \$25. None of the sixteen maps of the atlas or portfolio is sold separately.

The maps of Palestine in this collection are well printed and attractive, but their accuracy cannot be guaranteed.

36. OUTLINE MAP OF PALESTINE. Springfield, Mass.: Milton Bradley Co. Size, 42 × 30 inches. Price, \$0.25.

A useful map for small class-rooms. The outline being on white linen, it would be possible for a competent teacher to work out with the class the journeys of Jesus, etc., and trace them on the map with colored crayon. The map is not very accurately drawn.

37. WANDKARTE VON PALAESTINA zur *Biblischen Geschichte*. Von DR. H. FISCHER AND PROF. DR. H. GUTHE. Leipzig : Die

Geographische Anstalt von H. Wagner und E. Debes. Size, 41 × 28 inches.

A very accurate map, based on the surveys of the Palestine Exploration Fund (English) and the explorations of the Deutsche Palaestina-Verein. All names are in German; the coloring and lettering are rather unattractive. This is by all means the best map for German Sunday schools.

NOTE: Although this article is devoted especially to wall maps, it may be well to mention a few of the many books containing maps useful for private study:

The Historical Geography of the Holy Land. By GEORGE ADAM SMITH, Free Church College, Glasgow. New York: A. C. Armstrong & Son, 1894. Pp. 692. Price, \$4.50. Contains 2 maps of Palestine, and 3 of divisions of the country; all based on the Palestine Exploration Fund surveys, and reliable.

A Handbook to the Bible. By F. R. AND C. R. CONDER. London and New York: Longmans, Green & Co., 1890. Pp. 439. Contains 5 maps based on the Palestine Exploration Fund surveys, but not very accurately drawn.

Palestine. By A. HENDERSON. Edinburgh: T. & T. Clark, 1895. Pp. 221. Price, \$1. The same maps as in Conder's Handbook.

The Holy Land in Geography and in History. By TOWNSEND MACCOUN. Chicago: Fleming H. Revell Co., 1897. 2 vols. Vol. I, 96 pp; Vol. II, 136 pp. Price, \$2. These books contain 145 plates, of which about 100 are of Palestine or some portion thereof. Vol. I, "The Holy Land in Geography," contains some 45 useful and accurate maps of Palestine, and can be had separately for \$1.

An Outline Handbook of the Life of Christ. By STEVENS AND BURTON. Boston: Silver, Burdett & Co., 1894. Pp. 45. Price, \$0.50. The map in this handbook is accurately drawn from the Palestine Exploration Fund maps. It is also used in the Sunday-school quarterlies of the Bible Study Publishing Co., Boston, Mass.