upon him as an artist of the landscape.” This over-simplifies the story of his life; however, it does suggest that his life typifies for us a rich, full one that we can admire and enjoy, an interesting one in itself and significant in providing real insight into the last century. The paradoxes of the nineteenth century characterize his work and his personality, and he reflects, in one way or another, “its diverse philosophies of romanticism and realism, its romanticism and classicism, its interest in science, and its sometime obvious and empty sentimentality.” He was vitally a part of “... an America which was just developing as a new nation with cultural achievements as well as political and military success.” In portraying Russell Smith as such, Virginia Lewis has given us a treat to be chewed, digested, and savored.

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Clocks are extraordinary things, including somewhat of the philosophy, the history and the mechanics which all go to make up our concept of time.

Like its subject, Pennsylvania Clocks and Clockmakers includes a little of all three. And despite a few errors, some faults and many omissions, it is a good book.

The errors mostly occur where Mr. Eckhardt, a prominent and veteran clockman, mentions something that isn’t so, but seems too certain to have needed checking; such as: “Brownsville, formerly known as Red Stone Old Fort, is in Redstone Township.” They are mostly of a minor nature.

Principal faults are digressions, such as the inclusion of a new translation of the “Horologium,” by Huygens, and the chapter on William Molyneux’ determination of sidereal time; both these, while interesting and valuable, are really outside the announced purview of the work.

Even the most captious critic can hardly complain of the omissions, since Mr. Eckhardt has brought together so much valuable and hitherto unavailable material on his subject. They are principally in the great lists of clockmasters, which are among the most valuable things in the book.
Building on the 75 years' work of an old clockmaker, B. T. Schmauk, Mr. Eckhardt has enlarged Mr. Schmauk's lists with 25 years' work of his own. But still it is not hard to think of other names of clockmakers omitted from the lists.

Rather than criticize, it would be well for every lover of Pennsylvania history to be on the watch for such names, and send them to Mr. Eckhardt, who within a few years would be in a position to publish an augmented list, as a valuable adjunct to his book.

The book itself is a monument to the author's devotion to his subject, and can be of the utmost service alike to the practical clock worker, the historian and the antique collector.

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George Swetnam