

Robert Koch's History as Reflected in Philately and Philocarty

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Abstract

The article presents research materials on the issues of reflection in the means philately and philocarty of the causative agent of tuberculosis – of a German bacteriologist and a world-famous scientist – Robert Koch - Koch sticks or *Mycobacterium tuberculosis*.

Keywords: Robert Koch, Microscope, Mycobacterium Tuberculosis, Philately, Postage Stamps, Blocks, Envelopes, Philocarty

Introduction

One of the deadly diseases that humanity suffers from to this day is tuberculosis, which over the centuries of its existence has taken hundreds of millions of lives, and the fight against which continues to this day! Robert Koch (1843-1910), German scientist, bacteriologist and pathologist, made an invaluable contribution to this fight [1-6]. The microorganism he discovered, as a result of many years of research, was named after him: mycobacterium,

or Koch's bacillus. Figure 1 shows a small philatelic selection consisting of postage stamps and envelopes depicting Koch's mycobacteria/bacilli [1-6]. Other drawings depicting *Mycobacterium tuberculosis*, often viewed through the eyepiece of a microscope, will be presented on postal envelopes, with the portrait of Robert Koch, the microscope, and the Lorraine Cross, the global symbol of the fight against tuberculosis [1-6].

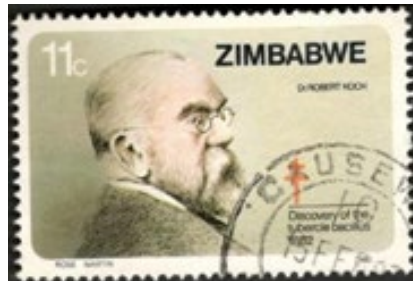
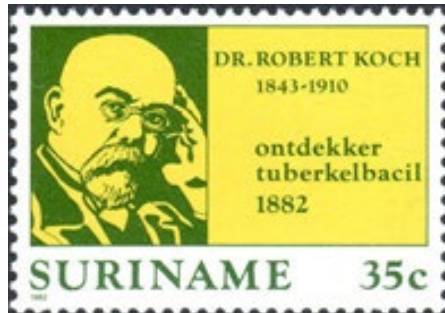
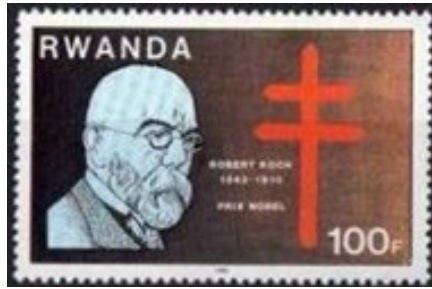


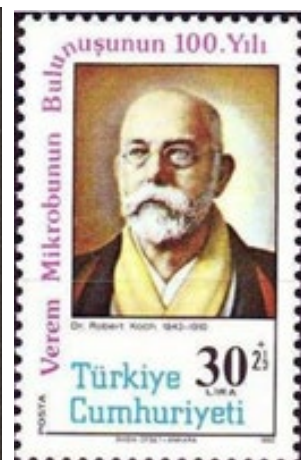
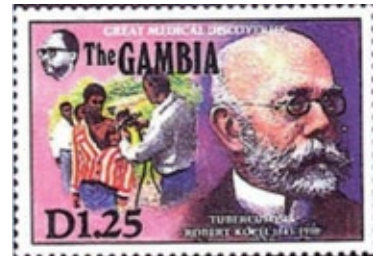
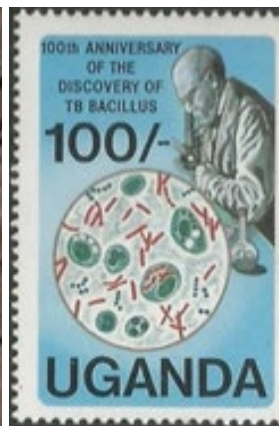
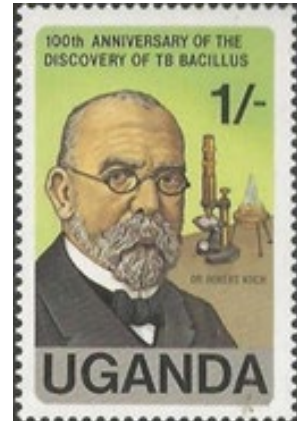
Figure 1: Mycobacterium tuberculosis in the reflection of philately

Thousands of postal miniatures (stamps, envelopes, postal blocks, stamps and carte blanche, hundreds of commemorative coins and medals) are dedicated to this great scholar. It is his personality, devoted to the greatest number of various means of collecting, which all, it is impossible to present in one small research article! The author has selected, the most striking and interesting (in his opinion), philatelic materials and specimens, screenshots of which, will be presented in this article. In total, in this article, when the author conducted his research, he found and presented -

231 screenshots of different types of philately and phylacteries. Of these: postage stamps-1113 copies; postal envelopes (art marked envelopes and first day envelopes) - 58 copies; Post cards and cartomaxims - 42 copies; postal blocks - 6 copies; postage stamps - 12 copies. Turning to the presentation of stamps (104 pcs.), in Figure 1, it should be noted that their tribute to the memory of Robert Koch, in special thematic issues, was paid by 60 countries from all over the world, most of all from Africa and Europe-some of them, several times [1-6].







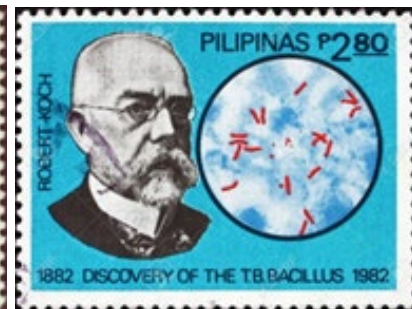
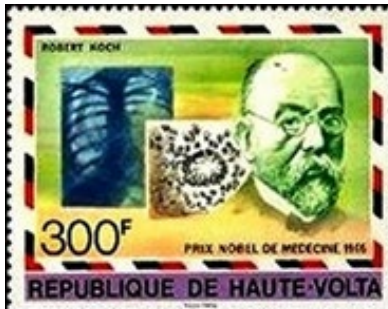
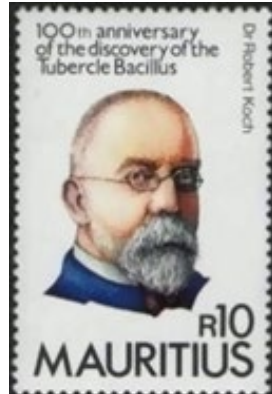
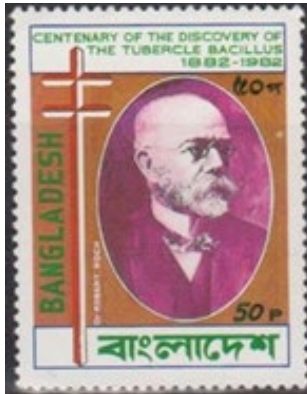
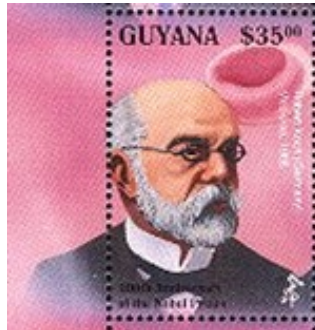


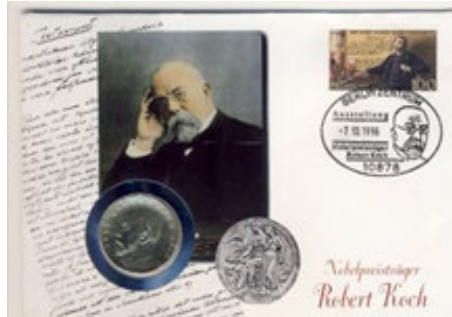
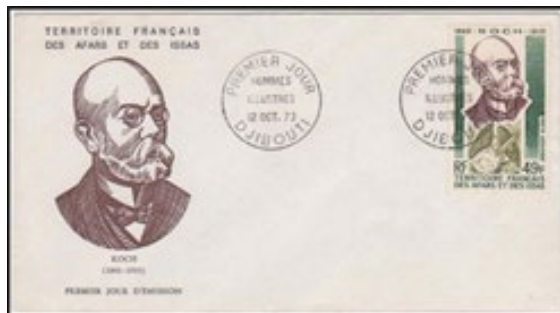
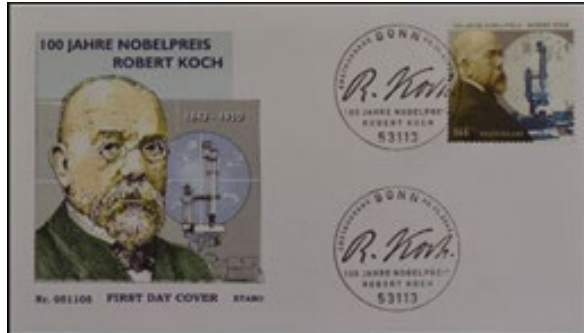
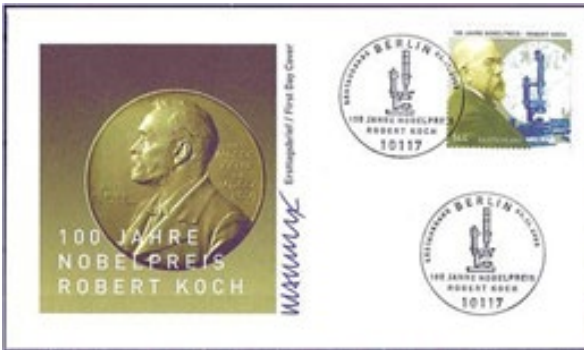




Figure 2: Postage Stamps Dedicated to Robert Koch

Figure 3, presents 57 screenshots of the world's postal envelopes. These are both artistic marked envelopes and first-day envelopes, thematically dedicated to the scientific feat and life of the world-famous German scientist, Robert Koch, decorated with his portraits, and on many of them, added the image of the Lottaring Cross as an international symbol of the fight against tuberculosis [1-6].





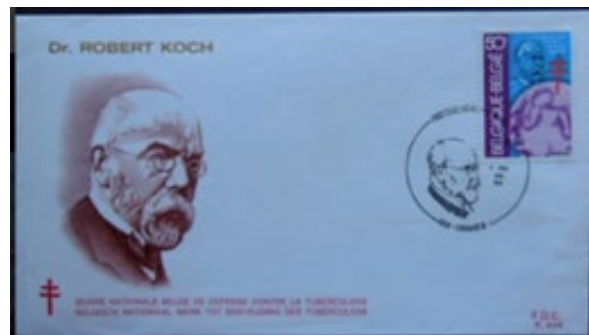
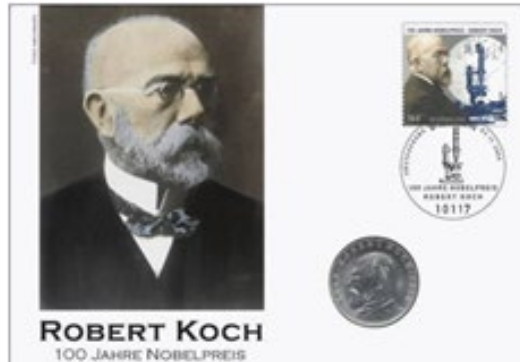
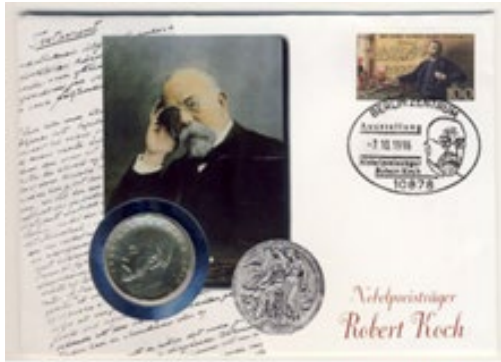
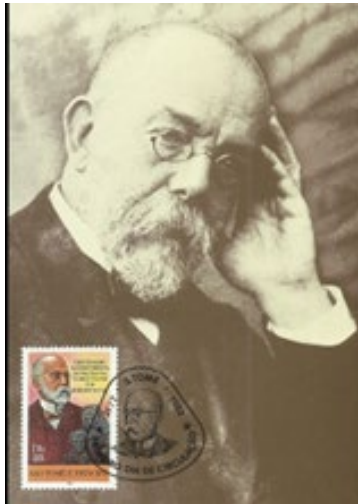
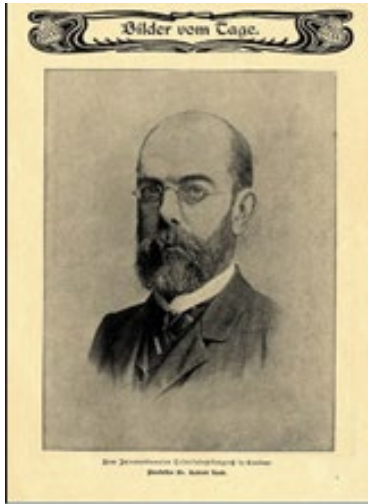


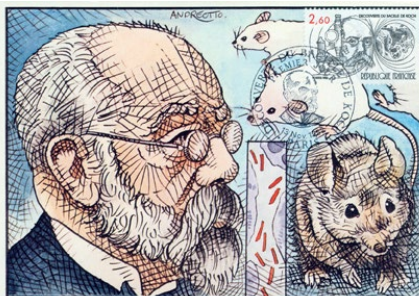
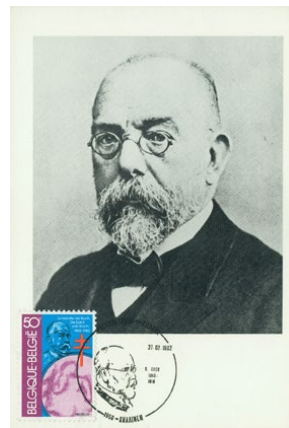
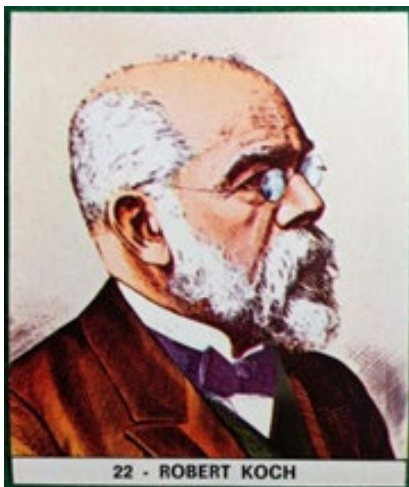
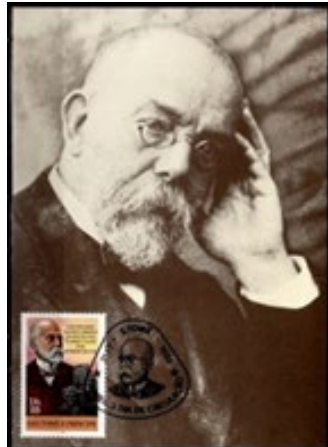
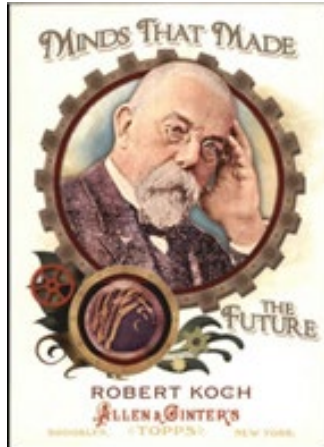
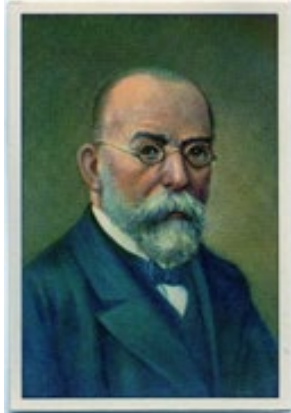


Figure 3: Postal Envelopes Dedicated to Robert Koch

Figure 4, shows screenshots of 5 postal blocks, 42 postcards and cardsmaxims, different countries of the world, dedicated to the memory of Robert Koch [1-6].







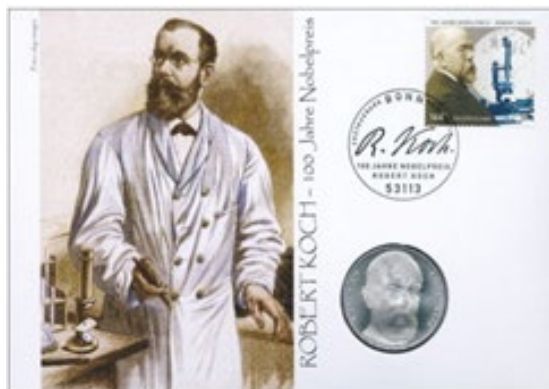
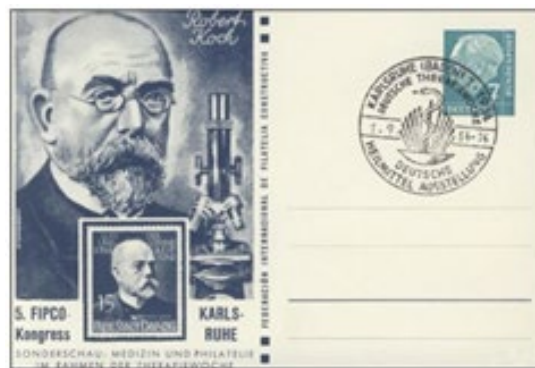
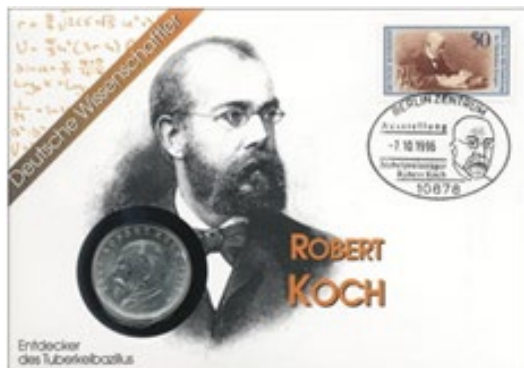
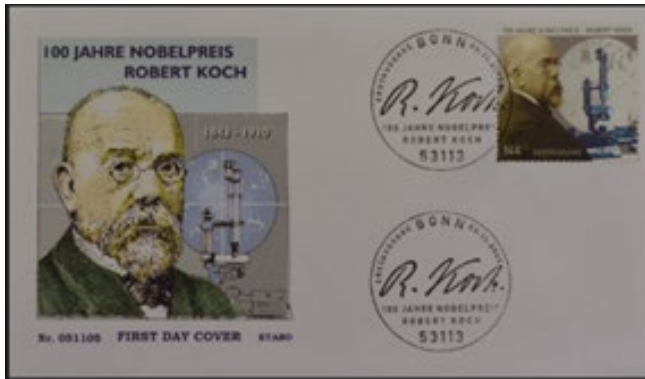




Figure 4: Postcards and Cardmaxims Dedicated to Robert Koch

And in conclusion of this article, Figure 5, presents 12 screenshots of postmarks as a special kind of philately, which are also thematically dedicated to the memory of Robert Koch [1-6]. They show different versions of the scientist's portrait, his favorite instrument of his scientific research-a microscope.



Figure 5: Postmarks Thematically Dedicated to Robert Koch

This concludes the first article in a series of 4 research articles on the life and scientific exploits of Robert Koch. More articles are in preparation, with topics devoted to the reflection of the memory of Robert Koch in numismatics and faleristics, as well as the fight against tuberculosis, in the reflection of various means of collecting.

Conclusions

In this thematic, research article, the author has managed exclusively and creatively, in a sufficiently full text and illustrative volume, to reveal such a difficult and complex topic, as the life and scientific exploit of Robert Koch, in the means of philately and phylocarty. Such means of collecting as philately and philocarty, as auxiliary historical sciences, quite voluminous, simple and accessible, to bring any, necessary information, to every interested reader, when researching, various information, in such disciplines as history of medicine, infectious diseases, biology and in many, others. Postage stamps, envelopes, small vintage sheets, postal blocks, carto maxims and stamps, in all the variety of philately representation, are an excellent and unique means of presenting illustrative information, in the artistic design of articles / articles of any thematic orientation.

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