

Probably the most remarkable of these was the memory of Leonhard Euler. Euler was a native of Basel, but most of his life was spent in St. Petersburg. He was born in 1707 and died in 1783. He was a teacher of great power and a most prolific writer. More than half of the forty-five quarto volumes of mathematics published by the St. Petersburg academy between 1727 and 1783 were by Euler's pen. At his death he left more than two hundred manuscript treatises.

KEEN MEMORY FOR MATHEMATICS.

In the later years of his life he was totally blind. Then and probably earlier he was a keen memory for mathematics.

table of the first six powers of the "series of natural numbers up to 100." It is related that on one occasion two of Euler's students attempted to calculate the sum of the series. As they progressed, they found there was disagreement in their results. The results differed by a unit at the fifteenth figure. They decided to make the calculation. He did this mentally and his result was found to be correct.

Another interesting story furnishes the other two instances to which I call special attention. The first is that of the Italian scholar, Antonio de Marco who was a brilliant mathematician and literary prodigy of his time. Royalty and other distinguished personages had tribute to his wonderful learning. His memory was so good that he was able to retain verbatim most of the contents of his Multitudo books.

One day, however, he never has declared that Magliabechi "could name all the authors who had written on a certain subject" giving the name of the book, the author, the date, the page. "This is doubtless exaggeration, but, on the other hand, it should be re-

tiny subject was much less than at the present time.

MIND RETAINS ENTIRE BOOKS.

Besides this there are two stories that have come down from Magliabechi's time to ours that give color to its truth. On one occasion a gentleman of Florence desired to test Magliabechi's memory to ascertain for himself whether the wonderful stories told were truth or fiction. He gave him a novel, and asked him to read it, and after its return, pretending to have lost it, he asked Magliabechi to recall it, which, it is said, he did with remarkable accuracy.

At another time the Grand Duke of Florence asked him if he could procure a certain book for him. Immediately he replied that he could not find it; but possible; there is but one in the world; that is in the Grand Seigneur's library at Constantinople, and is the seventh volume of the first shelf on the right-hand as you go in."

The other instance in the seventeenth century is that of Dr. John Wallis. It is a story told by Magliabechi, and that Wallis' name is permanently enrolled in the temple of fame, but as a mathematician.

Arthur Schopenhauer, "In this he makes the successful attempt to solve a number of the more simple problems of the calculus by the summation of the series of the powers of a constant and memory were so strong that "while in bed in the dark he extracted the square root of a number and the cube root of a number, terms and repeated the result twenty days afterward."

REPEATED LISTS OF NAMES.

"These examples of retentive memory are quite well authenticated and give plausibility to the possible truth of the story of the memory of the man that "Cyrus the Great knew all his soldiers by name, and Cicero in his *"De Senectute"* says that Themiocles could remember the names of all his slaves by name. It is related that both Horace Vernet and Gustave Dore could paint a portrait from memory.

"The memory of names is more than tradition that Wolfgang Mozart "set down the whole of the Sistine Miseners from memory," and that, too, from the faces of the twelve apostles. William Hamilton, in his *"Lectures on Metaphysics and Logic,"* gives Muretus an

young Corsican could repeat in either direction or even order, he begins at any point and repeat both ways, a list of 56,800 names.

Science, the Nebuchur, Pascal, Ben Jonson, Shakespeare and Machiaveli—all were men of marvelous memories, Pascal says he never forgot anything that he could read. Ben Jonson tells us that he could repeat all the plays he written "and whole books" that he had read. The same fact, too, is credited to the young Nebuchadnezzar.

It is also told of Nebuchur that in his youth he was employed in one of the public offices of Denmark. Part of a day he was to copy down the records of the city, but he was able to restore it completely through his recollection.

COMMITTS THE WHOLE ILIAD.

Joseph Justin Scaliger in his youth was a student of the famous Turebus. There is a tradition that he became so well acquainted with the Iliad that he could recite it in his sleep, and to make more rapid progress he fasted himself with his Homer. Then, with the aid of a Latin translation, he committed it to memory in twenty-one days. Whether this was an actual oc-

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Given Up to Die.

R. Spingold, 121 N. Virginia, told me that he had written "For over the years" a collection which exposed the "dark side" of the nation. I lost both and was all run down and a year later had to abandon work. I had three of the "dark side" collection given to me and I was practical. I was recommended and the first of the "dark side" collection, and after taking the second book, and after taking

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