

mountains called Carvallos, in the province of Cagayon; in 1645, one third of the town was destroyed by a like accident, and 300 persons perished. The succeeding year it experienced another; and the ancient Indians say they were more terrible formerly, which was the reason they build their houses only of wood; a custom still continued, and which the Spaniards follow.

“ The quantity of volcanos in this island confirms that assertion; because at certain times they vomit forth flames, shake the earth, and perform all the effects Pliny attributes to those of Vesuvius; that is, they change the beds of rivers, drive back the adjacent sea, fill with cinders the neighbouring plains, and throw out stones to great distances, with reports louder than those of cannons.

“ In 1646, a mountain in the island of Machian split by an earthquake, with a dreadful noise; from this opening issued a number of flames, which destroyed several plantations with the inhabitants and all that was therein. In the year 1685, this prodigious crack was to be seen, and probably is still apparent; it is called the path of Machian, because it descends from
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* See le Voyage de Gemelli Careri, page 120.