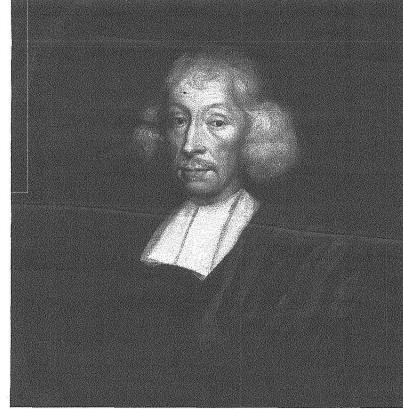
LIFEAND WELLBEING HISTORY





THE SUNDAY TIMES OF MALTA





John Ray (1627-1705), the 'father of English natural history' (from a portrait in the National Portrait Gallery, London)

Three early naturalists who visited Malta

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Europe and even ventured further south. These travellers had a variety of motives, and they included explorers, pilgrims, craftsmen, diplomats and the scions of noble families with little else to do but section about Malta. further their education by undertaking the Grand Tour.

the naturalists - dilettantes who were betific basis. Malta's geographical position, together with the fame it had achieved stopover for these travellers when they ventured further south after touring Italy

One of the first naturalists to visit Malta was one who was to become known in in Malta and concluded that the island later years as the 'father of English natu- must have been completely submerged, ral history'. This was John Ray, who was citing as evidence "the multitude of seaborn in Essex in November 1627. After shells of all sorts, sharks' teeth, vertèbres graduating from Trinity College, Cam- of thornbacks and other fish bones petribridge, he stayed on at the University as a fied all over the island". He did not agree lecturer in Greek, mathematics and the with the theory that was then popular humanities; in the meantime, he devel- that these fossils were "formed by some oped a passion for natural history.

through Holland, Germany, Italy, Sicily aniseed, cotton and indigo plants.

island on May 13, 1664.

As was the custom among such travellers, Ray kept a journal detailing his ex-During the 17th century, many scholars periences during the trip; this was later undertook long journeys throughout published under the title of Travels Through the Low Countries, Germany, Italy and France - with Curious Observations Natural, Topographical, Moral, Physiological, etc. It includes a long

There is some doubt as to whether Ray and his companions stayed in Malta for Among these personalities one counts 12 or 13 days as their date of departure is uncertain. In his journal, Ray gives a ginning to give their studies a more scien- detailed description of Malta; he was of the opinion that geographically Malta is more European than African, preferring after the Great Siege, made it a favourite to follow "the more accurate observations of Johannes Franciscus Abela, a learned man and native of this island, in his Malta Illustrata".

He writes at length on the fossils found plastic power in the stone quarries".

In early 1663, Ray decided to undertake Ray also wrote about the island's agritimes in his publications, little is known poteva giacere a letto". the Grand Tour of Europe accompanied culture, stating that the cereal crops he about the actual dates of his visit or visits. Boccone prescribed a mixture based liked and distrusted each other". by three of his ex-students - Francis saw were thin on the ground and did not They must have been prior to 1669, which on a plant he refers to as "Centaurea mi-Willughby, Philip Skippon and Nathaniel support the ancient acclaim of its fertility. was the year of his wife's death; according nore" to be taken every night for 40 days. 1761, from Copenhagen on board the Amphibiorum, Piscium, Insectorum, Ver-Bacon. The foursome set off from Dover Apart from the cereals, he lists the main to one biography, his marriage had The nun soon started to recover and Boc-Royal Danish Navy ship Grönland on what mium and the Icones Rerum Naturalium, on a journey that was to take them crops grown in those times; cumin seed, restricted his botanising to Sicily and cone recounts that her condition im- was to be a long and eventful voyage to the the latter containing several illustrations

and Malta. Willughby left them in Padua He also refers to "a sort of excrescence" travelling all over Europe.

produce a red dye.

Towards the end of his stay, Ray ventured to Mdina and Rabat, where he describes St Paul's Grotto, expressing his disbelief regarding the legends associated with the cave and with the miraculous properties of its Terra Silgillata, dismissing them and other legends about St Paul as no more than "monkish fancy". He does, however, affirm his belief that Malta was the site of the apostle's shipwreck, atick [sic] sea on the coast of Dalmatia".

"Forsskål's Testacea Fossilia-Melitensis is thought to be the first scientific list of Maltese fossils"

the 17th century came from nearby Sicily. He was Paolo Boccone, the celebrated botanist from Palermo who travelled all afflicted for two years with a severe cough the Study of Local Natural History', over Europe studying and recording the and other symptoms which were ex- George Zammit Maempel described the flora in many countries.

Malta and after his wife's death, he started proved to such an extent that after 27 Mediterranean. They arrived in Malta of plants and animals new to science.

and returned to England, while the other or moss" that grew on rocks in the Boccone authored three important in the choir with the other nuns. three proceeded southward towards Italy northern parts of Malta, called by the works in which he mentions Malta. In From a Maltese flora point of view, During this short time, Forsskål and eventually Malta. They left Messina people vercella. This was, in fact, a Museo di Fisica e di Esperienze Variato Boccone's most important publication roamed all over Malta, visiting many of in Copenhagen.

published in 1697, he describes a number of his experiences on the island. Like Ray, he refers to the Terra Sigillata from St Paul's Grotto; he is not so sceptical, however, and lists some of its supposed medicinal properties.

tuberosus Melitensis, to the Malta fungus of course, is not a fungus at all but a flowfound on the "Pietra del Generale che è un ering plant. He refers to the local appellaisoletta vicina al Gozo". He lauds its tion of the plant as "Heritz tal General" rather than "that other Melita in the Adri- medicinal properties and exhorts Italian (Gherq tal-General). Boccone also menphysicians to make use of it.

Ray's travelling companion, Thomas "Dominus Bonamicus Medicus eruditus". Willoughby, he describes a rather mysterious glass vessel, unearthed in 1680 near host for a few days to the prominent Mdina, which contained a balsamic liquor Swedish naturalist Pehr Forsskål. also with unusual properties. He also writes at widely known as Petrus Forsskål (1732length about the fossils found in Malta. 1763). Recognised as a young scientific

Rare della Sicilia, Malta, Corsica, Italia, of Denmark to join a scientific expedi-Piemonte e Germania, also published in tion he was organising to the Mediter-1697, Boccone describes a cure he person- ranean and Middle East. Another naturalist who visited Malta in ally effected on a nun of the Santa Caterina Convent in Valletta, 31-year-old Suor his paper 'The Arabian Voyage 1761-67 and Rosana Seichel. The poor nun had been Malta: Forsskål and his Contribution to tremely debilitating, so much so that she group as follows: "Not only were they an Although he mentions Malta several could not even lie down in bed: "non ill-assorted band (two Danes, two Ger-

Italie, a lavishly-illustrated Latin tome published in 1674, in which he describes and depicts hundreds of plants, among them a number found in Malta.

Of course, the Malta fungus is one of He devotes a whole section, entitled In- them, and here we find the first known iltorno al Fungus Typhoides coccineus lustration of this celebrated plant, which. tions the renowned Maltese naturalist Gi-In another section, dedicated to anfrancesco Bonamico, referring to him as

During the 18th century, Malta was In another publication, Museo di Piante genius, Forsskål was invited by the King

He was to join five other scientists - in mans, two Swedes), but they jealously dis-

1761, and stayed for a week.

and crossed over to Malta, reaching the lichen that was collected and used to e Decorato di Osservazioni Naturali, was Icones et Descriptiones Rariorum the important attractions the island had Plantarum Siciliae Melitae, Galliae & to offer, including Buskett, St Paul's Grotto, San Anton Garden and Mdina, Together with the other members of the expedition, he also carried out a great deal of scientific research.

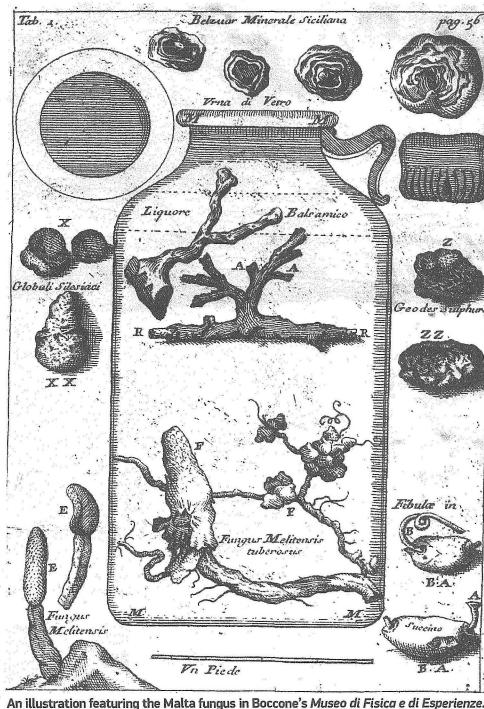
Forsskål was especially interested in the island's rich fossil deposits and compiled a list of 14 invertebrate fossils (11 molluscs and three echinoids). This list, entitled Testacea Fossilia-Melitensis, is thought to be the first scientific list of Maltese fossils. His botanical work, mainly carried out in the Salini salt marsh, resulted in a list of 87 species.

He also met an unidentified local learned doctor-naturalist who supplied him with a list of local fish species, which was published posthumously in Descriptiones Animalium; the doctor is now thought to have been Giorgio Giovan Battista Locano, a prominent physician and naturalist from Senglea.

The Grönland left Malta on June 20. 1761, for the Middle East, where they were to remain for the next five years. During this time, all but one of the scientific members, including Petrus Forsskål, perished.

Forsskål died from the plague in Yemen and his remains were buried in an unmarked grave in the village of Jarim. His memory lives on in his three major scientific publications: the Flora Aegypttaco-

days she could walk painlessly and sing more than five months later, on June 14, All three works were edited by the sole survivor of the expedition, Carsten Niebuhr, and published posthumously



Facea Melitensis capitulis conglobatis. CAules Jacez nostrz pedales, & longiores sunt, alati, ramo-



Centaurea melitensis as depicted in Boccone's Icones et Descriptiones.