

Ballou Maturin Murray

# Under the Southern Cross



Maturin Ballou

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# **Under the Southern Cross Or Travels in Australia, Tasmania, New Zealand, Samoa, and Other Pacific Islands**

## **PREFACE**

Dr. Johnson is reported to have said that the best way to travel is to sit by one's own fireside and read how others have done it; but though this may be the safest mode it certainly is not the pleasantest. This any travelled writer knows; and he also knows that could he succeed in adequately inspiring the reader with his accounts of the delights of foreign experiences, especially those of the grand, beautiful, and marvellous exhibitions of Nature, he would surely induce him to add to his own enjoyment by similar personal experiences. That there is a degree of pleasure in recording these observations we freely confess; but that one constantly feels how inadequate is language to convey a realizing sense of what is actually enjoyed in travel we must as freely admit. Madame Swetchine was more sarcastic than truthful when she pronounced travel to be the frivolous part of serious lives, and the serious part of frivolous ones. To an observant person nothing can be more instructive than travel; in fact it may be said to be the only royal road to learning. Travel is a magician, – it both enchants and disenchant; since while it delights the eye, it often proves the winding-sheet of many cherished illusions. There is always some bitter to be tasted with every sweet; but even the bee which finds a thorn on every rose comes home laden with honey.

*M. M. B.*

Boston, January, 1888.

## CHAPTER I

Journey across the American Continent. – The Giant City of the West. – A Chinese Community. – Embarking for a Long Sea-voyage. – About Ocean Birds. – Navigating the Pacific. – Peculiarities of Life at Sea. – Curiosities of the Deep. – Ambergris. – City of Honolulu. – An Island Paradise. – Early Paganism at Hawaii. – Wholesale Human Sacrifices. – Royalty at the Race-course. – Not a Kingly Monarch.

When the author resolved upon a journey to the Antipodes he was in London, just returned from Norway, Sweden, and Russia, and contemplated reaching the far-away countries of Australia and New Zealand by going due east through the Mediterranean, the Suez Canal, the Red Sea, and then crossing the Indian Ocean. But this is not the nearest route to Oceania. The English monthly mail for that part of the world is regularly forwarded from Liverpool to Boston or New York, thence across the continent of America, and by steamboat from San Francisco. These mail steamers touch at the Sandwich Islands, after which the course lies southwest into the island-dotted latitudes of the widespread South Pacific. Auckland, in New Zealand, is reached by this route in thirty-seven days from London; and Sydney, in Australia, five days later, – the two great English colonies being separated by over a thousand miles of unbroken ocean. The latter route was adopted by the writer of these pages as being both more comfortable and more expeditious. Having already experienced the sirocco-like heat of the Red Sea throughout its whole length, from Adin to Suez, the prospect of a second journey in that exhausting region was anything but attractive. The Atlantic Ocean was therefore crossed to the westward, and a fair start made from much nearer home; namely, by the American Central Pacific route.

The journey by rail across our own continent was easily accomplished in one week of day-and-night travel, covering a distance of thirty-four hundred miles from Boston to San Francisco. Comfortable sleeping-cars obviate the necessity of stopping by the way for bodily rest, provided the traveller be physically strong and in good health. On a portion of the road one not only retires at his usual hour, but he also breakfasts, dines, and enjoys nearly all the domestic conveniences in the train, while it is moving at a rate varying from thirty-five to forty-five miles per hour, in such well-adjusted cars as hardly to realize that he is all the time being rapidly and surely forwarded to his destination.

The pleasing variety of scenery presented to the eyes of the watchful traveller from the car windows is extremely interesting and peculiarly American, embracing peaceful, widespread, fertile fields, valleys of exquisite verdure, foaming torrents and mountain gorges, together with Alpine ranges worthy of Switzerland. Now the route skirts the largest lakes on the face of the globe, navigated by mammoth steam ships; now follows the silvery course of some broad river, or crosses a great commercial water-way, hundreds of feet above its surface, by iron bridges skilfully hung in air. For scores of miles the road may run parallel with some busy canal crowded with heavily-laden barges, slowly making their way to market. Besides winding through mountain gorges, plains, parks, and primeval forests, one passes *en route* through grand and populous cities numbering half a million and more of people each, as well as through pleasant towns, thrifty villages, pioneer hamlets, and Indian reservations, where the plains are as far-reaching as the open sea, the blue of the sky overhead and the yellow buffalo-grass which carpets the earth forming the only blending colors, – until by and by a distant glimpse of the waters of the Pacific signifies that the land-journey draws near its close, and soon after the young but wonderful giant city of the West, San Francisco, is reached.

Five years had elapsed since we last visited this thriving metropolis, during which brief period whole streets of substantial houses have been erected in what was formerly a suburb of the town, and many noble architectural structures have been reared upon the long avenues previously established. In

population forty thousand inhabitants have in that space of time been added to its aggregate numbers, while it is to-day growing in wealth, numbers, and political importance faster than ever before. What a panorama of living interest was afforded by its streets, alleys, and broad boulevards! How impressive to watch its cosmopolitan life, to note the exaggerated love of pleasure exhibited on all hands, the devotion of each active member of the community to money-making, the artificial manners and customs so widely prevailing, the iniquitous pursuits of the desperate and dangerous classes, and the ripe aptitude of their too willing victims! It is the solitary looker-on who sees more than the actors in the great drama of every-day life. It is "the hearing ear and the seeing eye" that enrich the memory and ripen the judgment. Is it not curious to observe how the lines of barbarism and civilization intersect along these teeming avenues?

Of our own country we do not propose to treat at length in these pages; but probably not many of our readers have visited the hidden corners of Chinatown in the metropolis of California, – a section of the city contiguous to its very centre, and yet at total variance with its every aspect. It required but a slight stretch of the imagination after passing its borders to believe oneself in Canton, Pekin, or Hong-Kong, except that the thoroughfares in the Asiatic capitals are mere alleys in width, shut in overhead and darkened by mats, while here we have broad streets after the American and European fashion, open to the sky. They are, however, lined with Chinese shops decked in all their national peculiarities exhibiting the most grotesque signs, while the windows are crowded with outlandish trash, and the whole is surrounded by an Oriental atmosphere. This section is entirely peopled by the Mongolians, and by such poor, fallen, abandoned men and women of other nationalities as seek among these surroundings to hide themselves from the shame and penalty of their crimes. There are but few native Chinese women here, and those that are seen have been smuggled in, it being the rule that none of them shall be landed in this country.

The Chinaman appears thoroughly at home here, and revels in his native dress, – pigtail, odd shoes, and silk attire, – even though he may adopt the American style while working as a stevedore on the wharves, or while engaged in various avocations about the other parts of the city. Here without the least attempt at disguise all the many vices of the race are freely indulged in, especially as regards sensuality, opium-smoking, and gambling. A Chinaman rarely touches spirituous liquors, so that there is no drunkenness to be seen in the district, but only that insensibility which is the effect of indulgence in opium. The thirty thousand Asiatics who live in Chinatown are packed together at night like dried herring in a box. Twenty of them often sleep in the same small room, lying upon the floor, without even an apology for a bed. Here they cook and eat mysterious dishes after the custom of their race, amid smells and filth which no American or European stomach could endure.

A couple of hours sufficed to give us all the personal experience of this locality we had the least wish to acquire, though our official guide of the police force proposed to introduce us to other peculiar sights and into deeper cellars, – places usually hidden from the curious eyes of the general public. The vile practices, indecent and gross exhibitions, which are indulged in by these Mongolians, no respectable paper would publish in detail. In short, Chinatown is the repository of vice of the most brutal and disgusting character, affording the fullest entertainment for the low tastes of the most depraved. Finding that this pandering to the curiosity of a certain class of whites brings them in money, the Chinamen give them all the grossness they are willing to pay for.

The reader, however, must not entertain a wrong idea with regard to Chinatown, since in the midst of all this squalor, dirt, immorality, and wickedness, there are some of this race living here who keep themselves untainted by the objectionable associations that surround them. They are the exceptions, to be sure. We were told of several Chinese gentlemen, for instance, who have amassed large fortunes by legitimate trade, within the last ten or fifteen years, – men who, as reliable and honorable merchants, stand high among the commercial people of San Francisco. Three names were given us by a gentleman who was well informed in the matter, of Asiatics who were each worth over a million dollars. To these were added the names of two who are worth over two millions. These men

will not return to China, because the property tax is so high there. Like many of our own citizens, these Chinese find their great satisfaction in accumulating wealth, and so go on adding daily to their possessions. We have said that there are thirty thousand Chinese in this district, but we were officially informed that forty thousand would be much nearer the true aggregate.

The impression prevails that the open immigration of this race has ceased at San Francisco, but the arrival of several hundreds by steamer the day before we visited their miserable quarter of the town, was duly announced in the papers. These came by the way of Japan. A sickening odor adheres to one's clothing for hours after returning from the Asiatic section of San Francisco, – a flavor of musk, opium, stale tobacco, and sandal-wood, the latter being freely burned as an incense before the Chinese gods; for amid all his filth and vileness, John does not forget scrupulously to fulfil the conventional requirements of his idolatrous faith.

After a few days devoted to renewing acquaintance with the familiar localities of the city, passage was taken on board the Union Steamship Company's mail-packet "Zealandia" bound for Australia. Once before the Golden Gate, as the entrance into the harbor of San Francisco is called, had been passed by the author when bound upon a twenty days' sea-voyage. Japan then formed the objective point, the route being a northerly one; but the "Zealandia" was bound for the tropics and the far southern sea, – that vast region forming the largest expanse of ocean in the world and containing fully one half of its water surface. The Pacific measures nine thousand miles from north to south, and is ten thousand miles broad between Quinto, South America, and the Moluccas, or Spice Islands; while at the extreme north, where Behring Strait divides the continents of Asia and America, it is but about forty miles in width, and in clear weather one can distinctly see the shore of Asia from that of our own continent.

The harbor of San Francisco presented much the same busy scene which so impressed us five years before; it was full of commercial activity and the occupations incident to various forms of maritime life. The noise of steam-whistles from the ferry-boats, the hoarse signals from ocean-going vessels starting on long voyages, and the boatswain's shrill whistle were half deafening as they mingled in direst discord. Big white sea-gulls in myriads flew fearlessly in and out among the shipping, uttering defiant screams, or floated like corks upon the water alongside of the ship. In no other part of the world are there so many snow-white sea-gulls to be seen as frequent this spacious and charming bay. They are large, graceful, dignified birds, and are never molested, being looked upon as picturesque ornaments to the harbor; besides which they are the most active sort of scavengers in removing the floating carrion and the débris thrown from the wharves and the cook's galley. The gulls one sees off the coast of Norway and among the Loffoden Islands are thousands in number, but they are not nearly so large as are these bird-monarchs of the Pacific. Their rank, fishy flavor renders them unfit for the table, though the Chinamen about the wharves secretly snare and eat them. Their breeding-places are not known, but they must be hundreds of miles away on unfrequented rocks and reefs. Distance, however, is of little account to these buoyant navigators of the atmosphere.

One of the ship's officers told us of a sea-gull which was caught within the last year just off the Golden Gate, and detained for a brief period on board a steamship bound for Japan. A short piece of red tape was securely tied to one of its legs, after which the bird was released. This identical gull followed the ship across the Pacific into the harbor of Yokohama, – a distance of over four thousand miles. Until this experiment was tried, it had been doubted whether the same individual birds continue with a ship on a long voyage as they seem to do. "You will see the albatross as we get down south," continued the officer, "a bird worth watching, the largest of the gull family, frequently measuring across its outspread wings twelve feet from tip to tip." We resolved to be on the lookout for this king-bird, though rather doubting the mammoth proportions attributed to him.

By turning to a map of the Western Hemisphere it will be found that the Sandwich Islands are located far up in the northeastern part of the Pacific Ocean, whence a vessel laying her course for New Zealand steers south by west through a long tract of ocean, seemingly so full of islands that the



inexperienced are apt to wonder how she can hold such a course and not run foul of some of the Polynesian groups. But so vast are the distances in Oceania, so mathematically exact are the rules of navigation, so well known are the prevailing winds and currents, that the passengers of a steamship may make the voyage and not sight even a headland between Honolulu and Auckland, – a distance of more than four thousand miles. This is the course we pursued, first steering for the Hawaiian group, and thence for the north headlands of New Zealand, *via* Tutuila, of the Samoan Islands.

It was Magellan, the Portuguese navigator, who first discovered this great ocean, sailing through the strait which bears his name. In the month of November, 1520, he finally came into the waters of the new sea upon which he was the first to sail, and which he named Mar Pacifico. It may have been "pacific" in his day, or may have seemed so to him after experiencing some rough weather on the other side of the continent of America, but we have seen it more turbulent than the Atlantic, especially where it approaches the Antarctic circle. Magellan did not long survive to enjoy the fame and profit of his discovery, as about a twelvemonth later he was killed in an unfortunate skirmish with the savages of some of the Pacific islands. He is often compared with his great contemporary Columbus, whose experience in the West Indies was undoubtedly the incentive for Magellan on his voyages of discovery.

Sea-life is conducive to idleness, and the saline atmosphere is narcotic. Lying in his berth the voyager gazes listlessly at the yellow iron-mould on the towels, the greasy moreen curtains, the restless hanging-lamp, and the damp, begrimed carpet, while he inhales the unpleasant bilge-scented atmosphere which penetrates everything. The jerking motion of the ship shaken incessantly by the propeller, causes the letters of the printed regulations tacked upon the door to run together in unintelligible lines, until at last he grows dizzy with the ceaseless motion imparted to everything. Finally, with a sudden burst of energy the deck is reached, where there is pretty sure to be something suggestive to occupy the mind and vary the wearisome monotony. The wonderful blue of the sea by day, and its fire-like phosphorescence by night, are always interesting. The Mediterranean between Malta and Gibraltar is proverbially blue, but the Pacific seemed to us more so. At times it lay as if in a trance, a perfect calm, the ship's keel gliding as it were over a burnished metallic field, or a flood of molten sapphire. The familiar jelly-fish often appeared above the liquid depths, contracting and expanding its soft, flat body, and thus progressing through the still waters, its half-transparent form emitting opaline colors under the warm rays of the sun. The many-armed, vaulting cuttle-fish was seen now and again leaping out of the water as though pursued by some aquatic enemy, though its general habit is not to frequent the surface by daylight. Specimens of the deep-sea star-fish with its five arms of equal length were abundant. Those which we met here were of a reddish and purple color combined, but we have seen them in shallower waters of a bright orange-yellow. While exhibiting but little apparent life, the star-fish can yet be quite aggressive when pressed by hunger and in search of food, having, as naturalists tell us, a mysterious way of causing the oyster to open its shell, whereupon the star-fish proceeds gradually to consume the body of the bivalve.

One frail, small rover of the quiet surface of the sea always interested us, – the tiny nautilus, with a transparent shell almost as frail as writing-paper. It was to be seen only in calm weather. If disturbed, it drew itself within its sheltering cover and sank slowly from sight. No wonder the ancient Greeks saw in its beautifully corrugated shell the graceful model of a galleon; and hence its name, derived from the Greek word which signifies a ship.

Every amusing suggestion, however trivial, is welcome, if it only serves to break the depressing monotony of the sea, – a sail, a shark, a new ocean bird, a school of porpoises. Two or three of our passengers had supplied themselves with microscopes, and they often dropped a gauze scoop-net over the ship's side, where it was permitted to trail for a few moments; then drawing it on board they amused themselves by subjecting the contents to a microscopic examination. The results were often very curious. On one occasion a short bit of floating sea-weed was thus obtained, upon which was securely woven a cluster of what looked like tiny quinces in shape, though the color was jet black.

They were called sea-grapes by the sailors, but we knew them to be a cluster of fishes' eggs. They proved to be those of the cuttle-fish, and were eighteen or twenty in number.

Amiable persons exhibit their natural traits of disposition at sea in strong contrast to those who are actuated by opposite qualities, – the latter, we are sorry to say, being nearly always in the majority. Enmities and friendships are formed with equal promptness and facility; but however desirable it may be, there is no escaping the forced companionship incident to life on shipboard, where ceremony is for the time being mostly banished. Customs become established which would be considered rather *outré* upon land. Ennui has made more persons reckless than has despair. Those individuals are comparatively few on such occasions who have sufficient mental resource profitably to occupy their minds, and those who have nothing to do quickly tire of themselves and of all about them. If it were not for the decided breaks in the routine of each day and evening afforded by the several meals, surely suicides at sea would be frequent. One inevitable conclusion is sure to be arrived at; namely, that a long sea-voyage is an infallible remedy for over-fastidiousness and sickly sentimentality.

When we had been at sea about a week there was observed floating upon the water a pale-gray, amber-like substance; it was not abundant, but to the watchful eye seemed peculiar, and was several times apparent. This our captain declared to be ambergris, – a substance originally found in the intestines of the sperm whale, and believed to be produced there only. Science declares it to be a diseased secretion of the animal, probably induced by indigestion, – just as the pearl is a diseased secretion of the Australian and Penang oysters. Ambergris is often found floating about the shores of the Coral Sea and throughout the region known as Australasia, having been ejected by the many whales frequenting these latitudes. On the west coast of New Zealand the natives may frequently be seen searching along the shore after a heavy gale, eagerly securing more or less of the article. The "Zealandia," on her previous voyage to that of which we are now writing, brought from Auckland to San Francisco three boxes of ambergris weighing about one hundred pounds each, the three boxes being invoiced at a valuation of thirty thousand dollars. It is rarely that so much is imported into this country in a twelvemonth. When first taken from the whale it is of a soft texture, and is quite offensive to the smell; but after a brief exposure to the air it rapidly hardens, and then emits a sweet, earthy odor, and is used for the manufacture of the choicest perfumery, being nearly as important for that purpose as the more costly musk.

The peculiar currents of the sea in these special regions, its vast extent and fabulous depths, the huge monsters and the tiny creatures occupying it, the speed of the ship, her exact tonnage and the trade in which she had been engaged since she was launched on the Clyde, – all these items became of vital importance to the voyagers, but their detail would seem prosy to the general reader. It was really surprising to see how earnest intelligent people become over matters which under ordinary circumstances and on shore would not have received a moment's consideration.

The distance which we expected to accomplish was referred to daily, and was thus formulated: From San Francisco to Honolulu is twenty-one hundred miles; from Honolulu to Auckland is thirty-eight hundred miles; from Auckland to Sydney is twelve hundred and eighty miles. The ship's run was daily recorded and posted up for the general satisfaction, the result being promptly deducted from the aggregated figures as above.

It was on the eighth day of the voyage that we made the Sandwich Islands. A glance at the map will show the reader that these volcanic upheavals lie on the bosom of the North Pacific, in a slight curve, and number thirteen in all. The total area combined does not exceed sixty-five hundred square miles, seven of them being mere islets, and six only are inhabited. The largest of the group is Hawaii, situated the farthest south, being in round numbers a hundred miles long by eighty broad, and with the natives gives its name to the whole group, as they are here officially called the Hawaiian Islands, – though Captain Cook, on their first being discovered, about a hundred years ago, gave them the name of the Sandwich Islands, after the then first Lord of the English Admiralty, and by this latter name they are generally known on the maps and in geographies.

The chain of islands which form the group are but a series of volcanic peaks rising abruptly from a depth of three miles below the sea-level to as great a height above it, being, so to speak, natural chimneys from the tops of which vast internal fires in former ages have found vent.

We made the island of Oahu, passing along the windward shores of Maui and Molokai in the early gray of a soft June morning, and doubling the lofty promontory known as Diamond Head, which rears its precipitous front seven hundred feet above the sea. We ran along the coast while the sun rose and beautified the mountain-tops, the green slopes, gulches, and fern-clad hills sparkling with streamlets. The dawn was lovely in its aspect, fresh and sweet. A gentle land-breeze brought us the dewy fragrance of the flowers which had been distilled from a wilderness of bloom during the tropical night. The uncertain light melted slowly away as a dainty flush appeared in the east. A few transparent clouds hung over the verdant isle, clouds so fleecy and ermine-like that they might have been the mantles of angels. It was entrancing thus to be gliding noiselessly over a perfectly calm sea, with so many attendant elements of beauty. We stood quite alone in the bow of the ship, wondering how the passengers below could court the thrall of sleep at such a moment.

As we drew nearer and nearer to the shore, sugar plantations, cocoanut groves, and verdant pastures came clearly into view, dotted here and there with the low primitive dwellings of the natives, and occasionally ornamented by the picturesque, vine-covered cottages of American and European residents. As the city of Honolulu was approached, it seemed to be half buried in a cloud of luxuriant foliage. Blessed with frequent rains, drought is not known here, and the verdure is perennial.

The sudden change of the color of the ocean was very noticeable as we steamed at half speed through a narrow gap of the coral reef which forms a natural breakwater to the harbor. We passed the light-house which stands on the inner edge of the reef, – a structure not over thirty feet in height, consequently not visible from a ship's deck more than ten miles away. The captain informed us that it was the only light between this island and the coast of New Zealand, in the far South Pacific. The channel through the reef to safe anchorage is carefully buoyed on either side, and at night a safety-lantern is placed upon each of these little floating beacons, so that a steamer can easily steer her course in safety, come when she may.

Though the volcanic origin of the land is plain, it is not the sole cause of these reefs and islands appearing thus in mid-ocean. Upon the flanks of the upheaval the coral insect with tireless industry rears its amazing structure, until it reaches the surface of the waves as a reef, more or less contiguous to the shore, and to which ages finally serve to join it. The tiny creature delegated by Providence to build these reefs dies on exposure to air, – its work being then done. The far-reaching antiquity of the islands is established by these very coralline formations, which could only have attained their present elevation just below the surface by the growth of thousands of years. As already intimated, the land rises so abruptly from the bottom of the sea that the water retains its dark-blue tint to within a short distance of the shore, where it assumes a light-blue and bottle-green hue, with other magic colors striking in their effect viewed beneath the clear morning light and embossed with the rays of the glowing sun.

We were soon safely moored inside the harbor, where there is an average depth of sixteen fathoms, and room for a hundred large vessels to find anchorage at the same time. The wharves are spacious and most substantially built, with ample depth alongside. Honolulu, which is situated on the south side of the island, is the commercial port of the whole group, – the half-way house, as it were, between North America and Asia, California and the New World of Australasia.

The streets of the Anglo-Hawaiian capital are clean and all admirably macadamized, the material employed for the purpose being coral, black lava, stone, and sand. At night the thoroughfares are rendered nearly as light as by day, through the liberal use of gas. One of the first things to attract our attention after landing was a huge steam-rolling machine at work upon the road-bed of one of the streets leading to the wharves. The city, with its twenty thousand inhabitants more or less, has all the belongings of modern civilization, such as churches, charitable institutions, hospitals, schools,

gas, electric lights, and the telephone; yet it was forced upon the mind how brief the period that had transpired since this was nearly a wilderness, peopled by a race of cannibals, whose idolatrous superstitions involved frequent human sacrifices. To-day nearly all the rising generation can read and write, and the entire race are professed Christians. One fact especially indicative of progress came to our knowledge; namely, that the government expends fifty thousand dollars annually upon the local schools. Could a stronger contrast be found than the aspect presented by Honolulu when Captain Cook discovered these islands, in 1778, and that of the Honolulu of 1888? In imagination we find ourself trying to look forward to the close of another century, and surmising what may then be the condition of these isolated spots of earth.

The original paganism of this people was of the most brutal type, revelling in human gore. We were told of rows of stone altars on which a hundred victims are known to have been sacrificed at one time, the altars still standing as memorials of the wretched idolatrous worship of the past. Such scenes were of frequent occurrence among the aborigines, surrounded by a climate which was nearly perfect, and by a profuseness and bounty of vegetation that made the support of life a mere holiday existence. They poured out human blood like water upon the altars erected to their idols, and fattened upon human flesh. It is strange indeed that some of the most lovely parts of the world should have been peopled by cannibals. We speak in the past tense; but all travellers in savage, half-civilized lands know that there are many waste places of the earth which are to-day the abode of the anthropophagi.

In those early days the several islands of the Hawaiian group had each a separate king. Bitter wars were frequent among them, and the savages of the Pacific islands always ate their prisoners taken in battle. King Kamehameha finally subjected the several isles to his sway, and founded the government which has lasted to our day.

Many of the streets of Honolulu present a grateful shade along the sidewalks, being lined by choice ornamental trees, of which the cocoanut, palm, bread-fruit, candle-nut, and some others are indigenous; but many have been introduced from abroad and become thoroughly domesticated. The tall mango-tree with its rich, glossy leaves, the branches bending under the weight of its delicious fruit, was seen growing everywhere, though it is not a native of these islands. It was impossible not to observe with acute interest the great variety of fruit-trees, most of whose pendulous branches were heavy with luscious products. Among them were the feathery tamarind, the orange, lime, alligator-pear, citron-fig, date, palm, rose-apple, and some others whose names we did not learn. Of all the flowering trees the brilliant *Ponciana regia* was most conspicuous and attractive, with its cloud of scarlet blossoms, each cluster as large as a Florida orange.

Some of the thoroughfares, especially that known as King's Street, are lined by pretty, low-built cottages, standing a hundred feet and more back from the roadway, with broad, inviting verandas, the whole front festooned and nearly hidden by tropical and semi-tropical plants in full bloom. This delightful aspect was supplemented by lovely flower-beds, and groups of ornamental trees in the gardens, with here and there an isolated Norfolk Island pine, forcing its strong individuality of shape and foliage upon the observation. A China rose-tree full of crimson flowers was noticed, and in a garden near the palace we saw a peach-tree, with one side full of rosy blossoms, while the other was decked with ripening fruit. How this was achieved we did not stop to inquire, pausing only long enough to admire the novel and anomalous effect. The gardens of Honolulu do not lack for water, a never-failing supply of the precious liquid being brought from the neighboring mountains in large iron pipes, and introduced into each city dwelling; moreover, we were told by the residents that they have only to sink a well ten or twelve feet deep anywhere on the plateau occupied by the city, when an abundance of water can always be secured. It was delightful to think that this lovely floral display to be seen all about us, around the native shanties as well as in the grounds of the better classes, was not confined to any one season, but that the various months of the year were severally beautified with roses, lilies, and the thousand and one gems of Flora's kingdom grown out-of-doors.

The race-course of Honolulu is situated four or five miles from the city proper, and is reached by a hard, well-kept, level road passing, it seemed, through one continuous tropical garden. Here was presented to us a gay and interesting picture of strong local color. The course occupies ample grounds laid out and fenced in the usual circular style of a one-mile track. The racing was conducted by the Jockey Club of the city, who certainly introduced on this occasion some remarkably well-bred animals. However they may have become possessed of the money, the natives, high and low, seemed to have plenty of loose cash to bet with, and the silver dollars were rapidly passed from hand to hand as each trial came to an issue. It was all conducted upon the cash principle; no accounts seemed to be kept, but settlements were made then and there, between the races. The scene was enlivened with music furnished by the king's native band, composed of twenty-eight colored men led by a German conductor. This band is certainly under remarkable discipline and very scientific instruction, and few similar organizations of white men in America can be truthfully said to excel them. They were uniformed in pure white linen ornamented with brass buttons, bearing the national Hawaiian arms, and wore snow-white helmets tipped with spikes of glittering brass of the German army pattern.

King Kalakana, who is very fond of racing and always assists at these exhibitions, greeted us cordially upon the grand stand, where he sat among the other spectators dressed in a suit of white linen and a plain straw hat. A few moments later, by invitation of his Majesty we stepped into an adjoining apartment, where he jauntily tossed off a goblet brimming with champagne, adding a few pleasant words of welcome. The trouble with him is that he is far too much inclined "to look upon the wine when it is red," though we were informed confidentially that his favorite tippie was gin. Notwithstanding that he is a man of more than ordinary intelligence, and even of a considerable degree of culture, morally speaking he has no traits of character which command respect, and is at times so much given to a sensual life as to outrage all kingly associations, incurring the disgust even of his most intimate associates. In person he is tall, well built, a little over six feet in height, of very dark complexion, and with crisp curly hair. He is remarkably superstitious, we were told, and consults pretended supernatural agents as to various State matters. This trait must have been born in him, and is matched by a similar spirit prevailing in the breast of every native. He is too selfish in disposition to be exercised by any real degree of patriotism, and "can be bought at a very low market value in connection with any private enterprise," to quote the words of a leading citizen with whom we conversed about the political condition of the islands. There are always plenty of adventurers ready to take advantage of such possible venality, and our informant told us that there were stories privately circulated, and undoubtedly true, which if publicly substantiated would result in his being dethroned. "Indeed," he added, "there is only a sort of phantom royalty maintained in Honolulu." These considerations did not tend to prepossess us much in the king's favor; and besides, it was impossible readily to forget that his direct ancestors slew, roasted, and ate Captain Cook.

This delectable monarch has just passed his fifty-second year, and as he may very properly be styled a fast liver, his career will hardly be a long one, more especially as the islands seem to be in a troubled political condition, so deep seated that a revolution is at all times imminent, while the proposed establishment of a republic is freely prognosticated and openly discussed. It is reported that the king has lately been detected in receiving heavy bribes for the granting of certain valuable and exclusive privileges; besides which, his personal life and habits being, as already intimated, extremely repulsive to a large portion of the people, he is growing daily more and more unpopular. It is well known that merchants and resident foreigners have been for some time taking serious steps for self-protection and the safe care of their property in the event of a popular uprising. The present king, it will be remembered, was elected to the throne by ballot upon the death of the former sovereign, who died about fourteen years ago, without leaving any regular heir to succeed him. The heir-apparent to the throne is the brother of the king, and is now thirty-three years of age.

## CHAPTER II

Ladies Riding Astride. – Passion for Flower Decorations. – A Sailor on a Bucking Horse. – A Weekly Gala-day. – Hawaiian Ladies' Costume. – A Famous Battle-ground. – The Native's Staff of Life. – Ubiquitous John Chinaman. – Largest Apple-orchard in the World. – Hawaiians as Cannibals. – An Active Volcano. – Colony of Lepers. – Unwelcome Visitors. – Our Political Relations with the Sandwich Islands.

There are not infrequently substantial reasons for customs which appear to us absurd at first blush. It was observed at the race-course of Honolulu that the women all rode man-fashion, – that is, astride of their horses; and being accustomed to the saddle from childhood they rode remarkably well. Even European and American ladies who become residents also adopt this fashion of riding, for the reason, as we were told, that side-saddles are not considered to be safe on the steep mountain roads. If one rides in any direction here mountains must be crossed. Every one rides on horseback, – men, women, and children. He must be a poor man indeed who does not own two or three horses of the pony, island breed. There are plenty of light American-built vehicles to be had for use about the city roads, but wheels will not answer upon the mountain paths. It should be mentioned, for the benefit of invalids as well as pleasure travellers, that there is an admirable public house in the centre of the town, built by the Government and leased to a competent landlord. It is kept on the American plan, and has all the modern comforts and conveniences, is lighted by gas, furnished with electric bells, and has accommodations for fifty guests.

The native women festoon themselves in an extraordinary manner with flowers on all gala occasions, while the men wear wreaths of the same about their straw hats, often adding braided leaves of laurel hung across the shoulder and chest. The white blossoms of the jasmine, fragrant as tuberose, which they much resemble, are generally employed for this decorative purpose, being offered for sale about the streets and on the veranda of the hotel in long strings woven fresh from the vines. Upon the slightest excuse for doing so, all Honolulu blossoms like a rose. We landed on a Saturday, which is a regular gala-day with the natives, and indeed every one seems to join in making it a general holiday. It is pay-day on the plantations and in the town establishments, besides being the day on which the country people come to market with their produce. But all marketing, all buying and selling of goods is over by noon or an hour after, when the riot of pleasure-seeking begins. It was a ludicrous sight to observe the sailors who happened to be in port join in the Saturday carnival. To do so in proper style it was absolutely necessary for them to be on horseback; and a sailor in that situation always seems like a fish out of water. With his feet thrust as far into the stirrups as possible, his body bent well forward and with both hands firmly grasping the pommel of the saddle, he leaves the horse to go pretty much his own way, while he thumps hard and fast up and down in his uncertain seat, to the undisguised merriment of the natives and lookers-on generally.

One of these foremost hands had been furnished with a bucking horse, – we rather think designedly so. The animal was subject to periodical attacks of this vicious propensity, one of which fits took him directly opposite the Post-office, where we chanced to be standing. It was really astonishing to see how successfully the unaccustomed rider clung to the horse's back; a practised rider could not have kept his seat more determinedly. The struggle between horse and man lasted for some ten minutes, but was finally ended by Jack Tar being landed in the middle of the street face downward, to the infinite amusement of the crowd who had watched the progress of the struggle. Jack, nevertheless, remounted his Bucephalus, and rode away with his comrades, who had patiently awaited the issue, bestriding the animal as he would have done a topsail yard in a gale of wind.

Both sexes of the natives much affect bright colors upon their persons, such as scarlet turbans wound about their heads; and sky-blue scarfs and yellow gowns predominate, producing a very picturesque if somewhat anomalous effect. When the head is bare their jet-black hair is sleek and glistening with cocoanut oil. The women wear but one garment, usually of French calico, close at the throat and extending from the yoke to the ankles. The gown is quite free and flowing, not confined at the waist, the wearer being generally bare-legged and bare-footed, – thus adding to the diaphanous nature of the costume, which after all is well adapted to the climate. It was noticed that the foreign-born ladies often appeared in the same style of dress, adding slippers and hose. To be very fleshy is considered as adding a charm to the Hawaiian ladies; and however this is brought about, it certainly prevails, affording the individual possessor of such a plethoric condition evident satisfaction. As a people the Hawaiians are very courteous and respectful, rarely failing to greet the passing stranger with a pleasant smile and a softly articulated "oloha," equivalent to "my love to you." The drinking of kava, the native spirituous liquor, is no doubt conducive to the immoderate accumulation of flesh, or at least to a bloated condition of the body; but as a rule the natives are not intemperate drinkers, except perhaps on Saturdays, when, as we have already intimated, the town is half mad with all sorts of excesses.

One statue only was noticed in Honolulu, – a bronze figure representing Kamehameha I., which was decked with a gilded robe and helmet, producing a tawdry and vulgar effect. There are four bronze tablets in bas-relief upon the pedestal, representing emblematical scenes relating to the first discovery of the island by Captain Cook and of his early intercourse with the barbarous natives. The whole monument is crude and inartistic, but doubtless it was an expensive affair. This Kamehameha I. must have been anything but a nice sort of person. When the missionaries first came hither he was living with his five sisters as wives; and when told how outrageous this was in the light of Christianity, he compromised the matter by selecting his oldest sister as his favorite wife and discarding the rest. He died in 1819, at the age of eighty-three years, and was a polygamous old rascal or a patriotic Alexander, according to the standpoint from which he is judged. If we can credit the Hawaiian legends, he was a man who possessed great physical strength as well as skill in the use of weapons, and was undoubtedly brave. He was the father of his people in more than one sense, having as many children as the late Brigham Young.

A drive of three or four miles from the city brings one to what is called the "Pali," which signifies in English the precipice. The route thither is straight up the Nuuanu Valley over a very uneven and only half-passable road, rocks and stones disputing every foot of the way with the vehicle, until by a not very abrupt ascent a height of three thousand feet above sea-level is reached. The last part of the distance is accomplished on foot, and presently the visitor finds himself standing upon the very edge of an abrupt precipice at the head of the valley, affording one of the most remarkable views to be found in any part of the globe. Lying fifteen hundred feet below the brow of this cliff is an outspread area of thirty or forty square miles embracing hills marked by winding bridle-paths, level plains, small rolling prairies, groves of cocoanut, of bananas, and sugar-cane plantations, small herds of cattle on grazing ranches, and rice-fields extending to the verge of the ocean. This large area is bordered on either side by mountains of various heights, composed of lava-rock so formed as to give the appearance of having been cleft in two, the precipitous side left standing, and the other half lost in the ocean; coral reefs form the seaward boundary marked by a long, white, irregular line of surf breaking over them. As one regards this view from the top of the Pali, there arises on his immediate right a steep mountain four thousand feet heavenward, forming the highest point on the island of Oahu, recorded as being at the apex seven thousand feet above the level of the sea.

The valley of Nuuanu opens with a broad entrance at the end nearest to the city, but contracts gradually as one ascends, until at its head it is a narrow gap or mountain-pass through which is a bridle-path leading over the range to the country below. Through this pass the wind draws with such power and velocity as to compel the traveller to grasp securely the iron barrier which has been erected

to enable one to approach the verge of the cliff in safety. This narrow opening forms the gate through which Honolulu gets its daily taste of the refreshing trade-winds.

In ascending this beautiful valley one is constantly charmed by the discovery of new tropical trees, luxurious creepers, and lovely wild-flowers. The strangers' burial-ground is passed just after crossing the Nuuanu stream, and close at hand is the Royal Mausoleum, – a stone structure in Gothic style, which contains the remains of all the Hawaiian kings, as well as those of many of the high chiefs who have died since the conquest. Some shaded bathing-pools are formed by the mountain streams lying half hidden in the dense foliage. Here one also passes the residence of ex-Queen Emma, widow of the late king, pleasantly located and flower-embowered, having within its grounds some notable examples of fine tropical trees from other lands. Its mistress was educated in England, and has here surrounded herself with many European comforts and elegancies. She may be seen almost daily driving out in a pony-carriage, to which a nice pair of showy though small island-bred horses are attached.

This valley is classic ground in the history of these islands, being the spot where the fierce and conquering invader, King Kamehameha I., fought his last decisive battle, the result of which confirmed him as sole monarch of the Hawaiian group. Here the natives of Oahu made their final stand, and fought desperately, resisting with clubs and spears the savage hordes led by Kamehameha. But they were defeated at last, and with their king, Kaiana, who led them in person, were driven over the abrupt and fatal cliff by hundreds, bravely ending the struggle for liberty with the sacrifice of their lives. The half-caste guide tells the stranger of this battle and its issue with a sad air and earnestness of feeling not akin to the humdrum stories of European guides, who recite their lesson by rote, like parrots.

No person should land at Honolulu and go away without visiting the Pali. It can easily be accomplished in three or four hours by vehicle, or if one is pressed for time it can be done more quickly, and to the author's mind much more agreeably, on horseback. In our eagerness to see and enjoy every aspect of the valley, breakfast had been forgotten, and it was already high noon, so that a preparation of wild bananas, bruised into a paste and stewed in cocoanut cream, was partaken of with much relish at a native hut. The dish was new to us, and was rendered still more acceptable by a cup of native coffee, which had not been adulterated by the cunning trader's art.

On the way to the valley, and indeed all about the environs of the city, one passes large patches, measuring an acre more or less, of submerged land, where is grown the Hawaiian staff of life, – the *taro*, a root which is cultivated in mud, and mostly under water, recalling the rice-fields as we have seen them in Japan and China. The article thus produced, when baked and pounded to a paste, forms a nutritious sort of dough, like uncooked flour, which is called *poi*, constituting the principal article of food with the natives, as potatoes do with the Irish or macaroni with the Italians. The baked taro is powdered and mixed with water, after which it is left to ferment; and when this process has taken place it is ready for eating. It is then placed in a large bowl about which the natives squat on their hams, and thrusting their fingers into the blue liquid mass they adroitly convey a mouthful at a time to their lips and rapidly swallow it. It is served in various degrees of thickness; if very thin, it is called two-finger poi, because in order to convey sufficient for a mouthful to the lips two fingers must be used; but if thick, it is one-finger poi. As the lazzaroni of Naples pride themselves upon their expertness in conveying the cooked macaroni to their mouths and down their throats, so the Kanakas become experts in the transmission of poi to satisfy their hunger. These Sandwich Island natives eat a small species of fish resembling our smelts, quite raw, with their poi.

The environs of the city in any direction are composed of well-irrigated gardens, plantations of bananas, clusters of cocoanuts, figs, mangoes, melons, and various tropical fruits. The cocoanut-grove of Waikiki, about four miles from Honolulu, contains many of these prolific trees, and well repays a visit. Single cocoanut-trees are always graceful and interesting, with their tall wrinkled stems,



but a small forest of them is a sight worth going miles to behold. The weight of the nutritious fruit supported in the branches can only be computed by the hundreds of tons.

Palolo Valley is some ten miles from Honolulu, and is best reached on horseback. Here the crater of an extinct volcano forms the principal object of interest. Leaving the horses at the head of the valley, the visitor climbs up a precipitous slope some five hundred feet to the oblong opening, which is now filled with a great variety of peculiar ferns, quite unlike any to be found elsewhere. Many blooming wild-flowers also beautified the spot whence the fiery lava poured forth its molten stream long ages ago. Nearly a hundred marked varieties of ferns can be gathered here in the briefest period of time by an expert botanist. On the way thither one passes through gulches, forests, and fields of the rankest tropical verdure, at times enjoying glimpses from the heights, of scenery indescribably grand and beautiful, like all that appertains to this picturesque island group, the puzzle of geologists and geographers. Though Oahu is very mountainous, like the rest of the Hawaiian islands, still none of these ranges reach the elevation of perpetual snow.

The delight and favorite amusement of the natives is to get into the saddle, galloping hither and thither in a break-neck fashion, without any fixed purpose as to destination. Some are seen riding bare-back, some with bridles, and some with only halters; but all are astride. The women and young girls are particularly conspicuous in their high-colored costumes flowing in the wind, and supplemented by streaming wreaths and strings of flowers, while they manage their horses with consummate skill and masculine energy.

Having observed among the natives a certain type of features and general aspect which struck us as decidedly European, and which if genuine would seem to be traceable far back to early generations, the idea was expressed to a resident American, who had an interesting explanation promptly ready for us. It seems, according to our friend's story, that the Spaniards are accredited in the legends of Oahu with having discovered these islands, and with several times visiting them as early as the year 1500, thus rendering the first visit of Captain Cook no new discovery. It is further held that Spanish galleons on their way to and from Manila in the sixteenth century stopped at these islands for water and fresh fruits. Of course all this is but legendary, and based on the faintest shadow of proof. Furthermore, according to these traditions, a couple of Spanish ships from Mexico were wrecked on the Hawaiian islands about the year 1525, having, as was the custom in those days, a numerous crew as well as some passengers, who mixed with and married native women. Naturally the descendants of such unions have inherited a certain distinctiveness of features and complexion which is still traceable. We give this report as we heard it, though it may be all a myth.

The ubiquitous Chinamen are found here as gardeners, laborers, house-servants, fruit-dealers, and poi-makers. What an overflow there has been of these Asiatics from the Flowery Land! Each one of this race arriving at these islands is now obliged to pay ten dollars as his landing fee, in default of which the vessel which brings him is compelled to take him away. This singular people, who are wonderfully industrious notwithstanding their many faults and effeminacies, are despised in these islands alike by the natives, the Americans, and the Europeans; and yet we were told that the Chinese increase annually, slowly but surely, and it is believed here that they are destined eventually to take the place of the aborigines. The aggregate number now resident upon the group is placed at ten thousand. It was manifest that many branches of small trade were already monopolized by them, as one sees to be the case at Penang, Singapore, and other Pacific islands. On Nuuanu Street every shop is occupied by a Chinaman, dealing in such articles as his own countrymen and the natives are likely to purchase. It certainly does appear as though the native race would in the near future be obliterated, and their place be filled by the Anglo-Saxons and the Chinese, – the representative people of the East and the West. The taro-patches of the Hawaiians, will ere long become the rice-fields of the Mongolians and the places that now know the aborigines will know them no more forever.

The pertinacity which enables these Asiatics to get a foothold and maintain themselves in various countries in the face of such universal oppression and unpopularity, is a constant source of

surprise to one who has seen them established and prospering in so many foreign lands. Nothing seems to discourage a Chinaman; he encounters rebuffs, insults, oppression, taxation, with entire equanimity, toiling on, suffering in silence, accumulating and hoarding his dollars with the fixed purpose of finally returning to his distant home. He is sober, painstaking, patient, and provided you do not have too much of him, is by no means a bad servant, laborer, or mechanic.

The general fish-market, situated at the northern extremity of Queen's Street, affords a most interesting exhibition of the marine products of these shores. Here all was life, bustle, color, and oddity, vividly recalling a similar scene in another hemisphere, at Havana. The berries, fish, and fruit which one purchases are delivered in a broad, fresh green leaf which forms the wrapper. This is much nicer, as well as more appropriate, than is the use of rough, ill-smelling brown paper. Here we saw devil-fish, dolphins, bonitos, flying-fish, ocean mullet, crabs, and a great variety of sea-mosses which the natives dry and eat with their poi. Among the rest a plenty of gold and silver fish were noticed, such as are kept in glass globes as pets with us. Here they are larger, and so plentiful that the natives catch and eat them as they would any other of the finny tribe. Some of the fishes displayed here are spotted like a leopard, and some are striped like a tiger, – dark brown lines on a buff ground. Besides these there was an abundance of rose-colored medusa. The variety and beauty of colors exhibited by the fishes of the tropics is quite confusing when they are arrayed side by side upon a white marble counter fresh from their native element. The natives eat very little meat, but keep in excellent physical condition upon poi and fish, supplemented by the abundant natural fruits which a bountiful Providence so liberally supplies. Chief among these is the banana, which seems to grow larger and finer here than elsewhere, being permitted to ripen on the parent stem. Like oranges which are allowed to mature in the same manner, the flavor is far superior to those ripened off the trees.

The steep conical hill which overlooks the city presenting its dull, brick-red façade when viewed from nearly any direction is a ceaseless reminder of the volcanic origin of the place. It contains a large extinct crater, and is called on account of its peculiar formation the Punch Bowl. Its apex is about five hundred feet above the level of the harbor. At the top one looks down into a large concave, – a scooped-out, bowl-like cavity, partially filled with a débris of stones and cinders over and about which vegetation has freely grown, the earth being mixed with decomposed lava. A few goats were browsing over this sleeping crater, which has been enacting the part of Rip Van Winkle for a score or more of centuries. We enjoyed a perfect view from the summit, which was high enough to form an admirable picture of land and sea combined. On the side which overlooks Honolulu are the remains of an old fort, which commands the Hawaiian capital.

Speaking of fruits, we were informed that on the neighboring island of Maui, one of the most spacious and mountainous of the group, is the largest apple-orchard in the world. The natives call this fruit *ohias*. The forest of apple-trees stretches from sea to sea far up the mountains. The trees vary from forty to fifty feet in height, yielding their harvest from July to September, during which period they are laden with a fair-sized, wild, white apple, which is not unpalatable to the taste, though not equal to the cultivated fruit. This orchard is estimated to cover an area of over ten miles wide and nearly twice as long. The trees, we were told, will average over twenty-five barrels of apples each. No commercial and little domestic use is made of them, but the fruit ripens, falls off the trees, and there decays annually. One peculiarity of the product is that when ripe the apples will keep sound but for a few days, as is the case with ripe bananas. The natives eat them to a moderate extent, but make no great account of them. We took the liberty of suggesting the possible advantage of a cider-mill, but our informant said, with a shrug of the shoulders, that there was not sufficient local enterprise to start the business.

The six inhabited islands of the Hawaiian group are Kauai, Oahu, Molokai, Lanai, Maui, and Hawaii, the last containing the largest active volcano on the globe; namely, that of Kilauea, to visit which many persons cross the Atlantic and Pacific oceans, besides the continent of America, which lies between the two. Oahu, of which Honolulu is the capital, was chosen as the principal harbor

because it is the only one presenting all the marine necessities, such as sufficient depth of water, space, and a secure anchorage for ships. In the olden days of Hawaiian history, Lahaina, on the island of Maui, was the city of the king, and the recognized capital. This was in the palmy days of the whale fishery. It has a sheltered roadstead, but will not compare with the present capital in this respect. The settlement is now going to ruin, the palace tumbling to pieces by wear and tear of the elements, and all the surroundings are a picture of decay. Should the Panama canal ever be completed, it would prove to be of immense advantage to these islands, as they lie on the direct course which a great share of navigation must follow. The aggregate population of the group is now about sixty thousand, of whom some thirty-eight thousand are natives. History tells us that Captain Cook estimated these islands to contain over three hundred thousand inhabitants when he discovered them. Perhaps this was an exaggeration, though it is a fact that they are capable of sustaining a population of even much greater density than this estimate would indicate. Until within fifty or sixty years the natives of the several islands made war upon one another, principally for the purpose of securing prisoners, whom they roasted and devoured. Indeed, cannibalism has existed in some of the islands even to a more modern date than that referred to. Of latter years the natives have shown a hearty desire to affiliate and intermarry with Europeans and Americans, discarding their idolatrous worship and professing Christianity; but those who read well-meant missionary reports can hardly realize how little this profession of Christianity generally signifies among semi-barbarous races. The manners, customs, and dress of the whites have been very generally adopted, so far as external appearances go; but as in the case of all other aboriginals who inhabit the Pacific isles, large or small, wherever the white man appears in numbers, the black disappears.

The crater of Kilauea on the island of Hawaii is still in a semi-active condition. Twice within our memory it has burst forth briefly but with enormous power, and at this writing it sends forth ceaseless vapor, smoke, and sulphurous gases, with occasional bursts of stones, lava, and crude metallic substances. The fiery opening is four thousand feet above the base of the mountain, the orifice having an estimated diameter of eight miles; that is to say, it is that distance across the opening. The height above sea-level is placed at six thousand feet.

One would surely think that such an enormous orifice on the earth's surface ought to be sufficient to relieve all the smouldering subterranean fires and explosive gases confined beneath the crust of the habitable globe, saying nothing of Vesuvius, Etna, and a dozen other active volcanoes. In the year 1840 an eruption took place from the crater of Mauna Loa on the same island, which lasted nearly thirty days, and was of such body that the flood of lava ejected, running a destructive course of fifty miles, reached the sea, and added one quarter of a mile of territory to the area of Hawaii, raising also several hills of two hundred feet in height near the shore. Three subsequent eruptions occurred from this mountain, a few years intervening between them, the latest of which was in 1868. Were it not for this and other volcanic vents in the group, these islands in mid-ocean would doubtless be suddenly swallowed up by some great convulsion of the restless subterranean forces.

Some portions of the coast of Hawaii are indented by large and curious caves, which are the homes of thousands of sea-birds; but very little is known about them, as they have never been explored. It is natural, considering its active volcanoes, that earthquakes should be more common on this island than upon any other of the group. The population lives almost entirely near the coast; but where this people first came from not even cunning scientists pretend to know.

Leprosy is still prevalent among the natives, the victims of which dreadful disease are promptly isolated upon the island of Molokai, where there are now about a thousand sufferers confined. The island is in formation so mountainous that the natives call it *Kaaina pali*, – a land of precipices. Some portions can only be reached by water, and that in fair weather, the mountains being impassable. That portion occupied by the unfortunate lepers is a plain naturally cut off from the rest of the island by the pali of Kalae. Fully realizing the necessities of their case these people submit to their isolation without a murmur, and seem, as we were informed, comparatively content. A ration of five pounds

of meat and twenty pounds of vegetables is issued to each person weekly, besides which they have garden-plats that they cultivate for such fruits, vegetables, and flowers as they choose. The supply of food furnished to them gratuitously is so much better than any Hawaiian gets under ordinary circumstances, that many persons are actually willing to make themselves lepers and be taken into this death-stricken community, in order to share its abundant provisions. There is here a little church wherein all the lepers congregate on Sundays, to listen to the preaching of a leper minister, and a day-school where the leper children are taught by a native schoolmaster afflicted with the same disease. We heard of a Roman Catholic priest who has devoted his life to these poor unfortunate outcasts, and who lives with them to comfort and aid them in their trials, though he is not himself a leper. This is indeed heroism, to brave the horrors of such an exile in the fulfilment of what he conceives to be his religious duty. If we knew the priest's name we would record it in this connection.

Like tropical regions generally, Honolulu does not lack for annoying insects and disagreeable as well as poisonous reptiles. That the mosquito reigns here goes without saying, and exhaustive measures are taken in every domestic establishment to afford protection against the ubiquitous pest. Our steamer, on the passage toward America, took on board five hundred packages of bananas, each bunch wrapped up in a covering of banana-leaf husks. The night after we sailed for San Francisco quite a commotion was created among the lady passengers, reinforced by the gentlemen, on the finding of huge roaches, scorpions, centipedes, and elephantine spiders meandering in and about the berths and the cabins. That the sensation experienced on awaking from sleep to feel a damp, slimy creature creeping slowly over one's face is excessively disagreeable, may be readily supposed. These reptiles and insects were brought on board in surprising numbers in the fruit packages, where they were securely hidden until they chose to come forth. The chief engineer of the ship prepared a number of bottles with proof spirit, in which a lot of these scorpions and centipedes were preserved, and which were secured by passengers curious in such matters. A young child was bitten by one of the mammoth spiders, causing its arm to swell up alarmingly, but the doctor treated the wound promptly with ammonia, and gave the little sufferer some internal medicine which seemed to act as an antidote to the poison.

We must not close these notes touching the Hawaiian group without a few words relating to our intimate national relation therewith, which at the present time is assuming special political importance.

The relation of the United States with the Hawaiians is in a somewhat peculiar state at the present writing. For ten years past there has existed a reciprocity treaty between us by which their sugar crop is admitted free of duty into the States, and a certain liberal concession on their part is made as to admitting the products of this country into the islands. The operation of this treaty has been to stimulate the production of sugar in the islands from about thirty thousand tons per annum to one hundred thousand tons and over, all of which comes to this country except a small amount used for domestic consumption. The incidental trade with us which has grown out of the treaty is very large, especially in machinery of several kinds, mills, engines, horses, hay, and grain. It has virtually brought the people of the Sandwich Islands under the wing of this Government, and concentrated her foreign trade almost entirely upon this country. The youth of the islands, of both sexes and in large numbers, are sent for educational purposes to our institutions. Forty of such persons were passengers on the "Zealandia" on the outward voyage, going home for a vacation trip. The luxuries as well as most of the necessities of the Hawaiians are now purchased in our markets. All of this business, or certainly nine tenths of it, is the natural outgrowth of the treaty referred to. There is no other foreign port in the world where the American flag is so often seen as in that of Honolulu, the carrying of this great amount of sugar being mostly done in American vessels. While England and Germany are watching for chances to "annex" coaling-stations, and small groups of islands in the Pacific, we virtually have the most admirable one in our own hands, – a fact which should not be lost sight of. Therefore when it is proposed, as it has been and will be again, to abrogate the treaty of 1877, let

our statesmen carefully inform themselves of the entire bearing of so serious a matter. We have but casually enumerated a few of the items which bear more especially upon the subject, but perhaps it is enough to awaken intelligent interest therein.

Three quarters of all the money invested in the sugar-raising business of the Sandwich Islands is furnished by American capitalists who draw their annual dividends therefrom. The late revolution was a bloodless one, brought about by the conservative and intelligent element of the islands, composed largely of Americans. In order to retain his seat upon the throne, the king was obliged to grant some liberal concessions as to the laws of the realm and his own powers, still leaving him, however, with all the authority which should rest in the hands of a constitutional monarch of the nineteenth century. The very fact of this concession being promptly granted by the king is sufficient evidence of its most reasonable character.

Once more it was Saturday, the gala-day of the Hawaiians, when we bade adieu a second time to Honolulu; and the tableau which then fixed itself upon the mind will long remain. The brief stay had been full of interest and enjoyment; it was, indeed, only too brief.

Our good ship the "Alamada" got up steam in the early morning and was under way by nine o'clock, steering through the coral reef seaward. The king graciously sent his military band to play for us some parting airs, while a thousand spectators consisting of mingled races and equally of both sexes, gorgeously wreathed in flowers, thronged the capacious pier. It was high tide, so that the "Alamada" loomed up high above the heads of the motley assembly. In the middle foreground lay the tropical city enshrined in palms, cocoas, and flower-bedecked trees, beyond which the picturesque valley of Nuuanu formed a long perspective reaching into the volcanic hills. To the right and left the mountain range extended for miles, forming a series of valleys, gulches, and abrupt precipices, with here and there a plateau of table-land, all clothed in exquisite verdure. The shore was dotted by native huts, cocoanut-groves, and banana-orchards, adding infinite variety to the whole scene.

We had taken on board as passengers some native residents, whose friends had come to bid them good-by with all the earnest demonstrations of a tropical race. Amid the waving of handkerchiefs and the reiterated farewells came the hoarse command from the bridge to cast off the shore lines. Then the grand old flag – the Stars and Stripes – was run up at the peak, and the waiting band played "Hail Columbia," followed by "Home, Sweet Home," responded to by many moistened eyes and quickened pulsations of the heart. As we glided away our forecastle gun barked forth a sharp, ringing farewell which was echoed back a score of times by the mountain gorges.

## CHAPTER III

The Samoan Islands. – A Unique Race of Savages. – Diving for Money. – A Genuine Samoan Mermaid. – German Aggressiveness. – A South-Sea Nunnery. – A Terrible Disease. – Christianity vs. Paganism. – Under the Southern Cross. – Grandeur of the Heavens at Sea. – Landing at Auckland. – A Stormy Ocean. – The Famous Harbor of Sydney. – England and her Australian Colony. – The Modern Eldorado. – Early Settlers.

In our course southward we made the islands known as the Samoan, or Navigator's group, and stopped to land the American and European mails at Tutuila, which is about two thousand three hundred miles from Honolulu. The six islands which form this group of the South Pacific lie between the Society and Feejee groups, three of them being among the largest in Polynesia. Their names are Savaii, Upolu, Tutuila, Manua, Manono, and Apolima. Savaii has a circumference of a hundred and forty miles, and is literally covered with forests of tropical trees from shore to mountain-top. Upolu measures nearly fifty miles from east to west, and is the most fertile and populous of the group. Apolima is the most remarkable for its cones and craters, giving unmistakable evidence of former volcanic action, by clearly-defined vents and fire-shafts among its hills. There are few rivers on these islands, but Upolu and Savaii have several crystal lakes among their mountains. Gales, cyclones, and earthquakes occur quite often enough to vary the monotony. We have said that there are six of these islands; there are also others, scarcely more than islets, however. The highest land in the group is on Savaii, – a lofty peak in the middle of the island, the top of which is nearly always hidden in clouds.

Tutuila was the island which was first sighted, and as it lay sleeping upon the bosom of the southern ocean it presented a beautiful picture of tropical verdure, – an oasis in the great desert of waters. And yet it did not present a very inviting aspect by its wave-lashed and rock-bound shore. It was calm weather, – that is, comparatively so; but there is always a long swell in these latitudes, which when it meets the impediment of shore or reefs is sure to express its anger by a wild display of force.

The island is remarkably mountainous, but the foliage rose to its lofty sky-line, and came down to where the breakers chafed the coast with tremendous fury. There was the azure of the sky, the deep green of the vegetation, the light blue-green of the shoal water, and the snow-white spray tossed high in air, to vary the richness of the coloring, which was finer than that of Oahu. We were told of a safe landing-place in a sheltered cove, and made out the slender spire of a wooden church, but could not see any opening in the long line of dashing spray which leaped twenty feet high as each successive swell broke upon the rocks. Just behind them the palm-groves, bananas, and cocoanut-trees formed a dense breastwork, flanked here and there by low native huts, grass-thatched and brown. In no other region does the cocoanut-tree thrive in greater luxuriance and fruitfulness than here; and were it not that the natives are so lacking in enterprise, this product alone might be made a very large source of profit. The deep green foliage of the bread-fruit all along the shore indicated the abundance of this natural food-supply of the islanders. Together with the yam and taro it forms their main support. The last named is called the daily bread of the Samoans, just as the poi forms the main sustenance of the Hawaiians.

The Samoans are fine-looking specimens of the savage races of the South Pacific. The men are broad-shouldered and athletic, the women by no means ugly, and certainly graceful. They have very little if any of the flat nose and protruding lips of the African race. Their complexion is a light brown, "the livery of the burnished sun," the women exhibiting a warm rosy hue upon their smooth, well-rounded faces. The bodies of both sexes are more or less elaborately tattooed in blue.

If tattooing constituted costume, of which in fact it takes the place here, the Samoans would be gorgeously clad, as they certainly excel in this respect the Maoris of New Zealand. This sort of savage

ornamentation with the latter people is more confined to the face, which the Samoans neglect only to be more elaborate upon the limbs and body. It is really surprising to what pain and inconvenience the barbaric races of the Pacific Islands put themselves in order to gratify their vanity and conform to local fashion. The process of tattooing is a slow agony; but the laws of fashion are as imperious in the Cannibal Islands as upon the Parisian boulevards. The tedious and painful operation of tattooing is performed by professionals, who make a paying business of it. The skin is punctured by an instrument made of bone, or by spines of the shaddock-tree, while the dye injected is usually obtained by boiling the candle-nut. Among some of the Pacific tribes tattooing is considered religiously binding; by others it is adopted purely for fancy's sake.

The men wear their hair twisted up in little spiral horns, reminding one of the natives of the coast who meet the steamers at the mouth of the Red Sea, and who exhibit the same aptness in diving for silver coins. The women wear their hair rather short, and are given to dressing their heads and necks with flowers, – a similar fancy to that already described as connected with the Hawaiians. The missionaries have taught the women when they are on shore to wear a small strip of cloth with a hole in the centre for putting over the head, and which hanging down back and front partially covers the otherwise exposed bosom. About the loins they wear a breech-cloth like the men, and sometimes a short skirt reaching half-way to the knees. We were told that the women are fond, on all gala occasions, of painting their faces with any pigment that is obtainable. Our observation of both sexes was obtained chiefly as they came off in their boats to the ship, which they always do in scores; and those we saw were nearly in a state of nature. The yellow and abundant hair of the men must be colored by some process known only to themselves; for though they wear nothing to protect their heads, the sun could not so bleach it. At one time our decks were crowded with these savages, offering for sale curious shells, fruits, native-made ornaments, especially necklaces formed of a dried scarlet berry.

Apia, the capital town of Upolu and the metropolis of the group, presents an inviting prospect from the sea, and the whole island in its general conformation is the most notable of them all. The foot-hills lie quite back from the shore, rising one green elevation behind another, until the great central mountain range is reached, which has an elevation of some four thousand feet above the level of the surrounding waters. All of these hills and the top of the highest elevation are clothed in ever green vegetation, flanked here and there by exposed and abrupt cliffs, bare, rugged, and grand, standing like giant sentinels defying the power of the elements. In the distance, upon a mountain side, is seen a thin silver thread, sparkling in the sun's rays, stretching downward from the heights, which we were told would prove to be a clear, never-failing cascade of water could we approach near enough to discover its real character. It forms the source of a small river, which courses its way to the sea. Many a ship comes hither and anchors, to fill her water-casks from this crystal spring. The town, including its two meeting houses and many European cottages, was half-hidden by the trees, while the water between the ship and the shore was alive with small native boats full of naked islanders, men and women, ready to sell carved clubs, spears, and canes of native wood.

Of the many boats that came off to meet our ship two contained some remarkable swimmers and divers. The most expert among them all was a young woman, who by her rapid movements in the water managed to secure fully half of the sixpences and shillings which were thrown overboard for the divers, though there were numerous competitors of the other sex. She always came to the surface smiling, with the silver between her teeth; and after shaking her head like a Newfoundland dog, and wiping the brine hastily from her eyes, she was quite ready for another plunge, having in the mean time stowed the silver coin away securely in her cheek, as monkeys do nuts and candy. The water alongside the ship was probably thirty or forty fathoms deep, but no piece of money got half-way to the bottom before it was overtaken and secured by a native diver. Though all were as nearly nude as was admissible in the presence of civilized people, they evinced not the least consciousness of personal exposure. And after all, when we paused to think of the matter, it was they who were naturally covered and we who were artificially clothed.

A bunch of fresh, glowing, scarlet hibiscus was observed in one of the boats lying quite neglected, being evidently considered of too little value to offer for sale, but which we secured for a sixpence. This flower grows in wild luxuriance in the Samoan Islands, and forms the most common ornament worn in the hair of the women. The men pass much time in dressing their hair in the little spiral columns as already described, while the women cut theirs short, leaving only sufficient length in which to affix the flower-stems.

When articles of food, such as cake, meats, or candy, were given to the natives they invariably smelt of them before tasting, and if they proved palatable they expressed their satisfaction by a smile and a grunt, more animal than human. They had some few words of English, of which they made incessant use. Their unconscious manners and thoughtless by-play somehow recalled that of the monkey tribe, even to the way they curled their lower limbs under them in the boats, or when sitting upon our deck. Some of the spears and war-clubs which they offered for sale showed much delicacy and skill, both in the design and carving.

The German Government has for a considerable time carried matters with an arbitrary hand in these islands, showing a covert but determined purpose, shamefully oppressing the native race, of whom there are about thirty-five thousand, appropriating their lands, and under various pretences robbing them in every possible manner. While we were there four German ironclads lay off Apia, having come with the purpose of gaining possession of Samoa either by diplomacy or gunpowder. The pretext made use of was oppression of German citizens on the part of the native government! Unfortunately the natives were in a state of partial anarchy, quarrelling among themselves, there being two parties desiring to control the throne. The Germans incited a revolution among them a year ago, favoring one of these aspirants in order to take advantage of such a condition of affairs as would grow out of a pronounced revolution. An Englishman who took passage on our ship at the islands was full of indignation at the arrogance of the Germans, and infused a similar feeling among us by relating in detail the course pursued by these interlopers during the past twelvemonth, especially at Apia. The natives, as this gentleman represented them, are generally an inoffensive, frugal people, having few vices, most of which have been taught them by the whites. They are remarkably slow to anger, and bear the oppression of these foreign invaders very humbly.

There are some cotton plantations on the islands conducted by American and English enterprise. Cocoanut oil and arrowroot are also exported, being gathered by enterprising foreigners who employ the natives. The group contains a little less than three thousand square miles of territory. Statistics show that even here in their comparative isolation, the native race is rapidly dying out, there being now twenty thousand less than were estimated to exist on the several islands so late as 1848, when a census was taken as correctly as was possible among a savage and superstitious people. There are not more than three hundred foreigners all told, and these consist about equally of Americans, English, and Germans.

From the seemingly careless manner of life which prevails among the native race, one would hardly infer that any fixed form of government exists among the Samoans, but the contrary is the fact. They have a paternal system of government, which is scrupulously upheld by the several tribes, all the villages being united by the same customs and language, and amenable to the same code of traditional laws. The usages and customs of the fathers have an unfailing influence over their descendants, and though free intercourse with the whites has led to the adoption of certain foreign rules and laws of trade and land-tenure, yet these are feeble in effect compared with the force of those of early, native origin.

Apia, already referred to, is the residence of the several foreign consuls. It has a small but safe harbor, and in the olden times was a famous resort for American whalers. Prominent in the picture of the town as seen from the water is a Roman Catholic cathedral of stone, with a graceful spire, behind which upon a hillside is the comfortable house of the bishop. There are a number of Catholic priests upon these islands, and we were told that near to Apia is a convent of Samoan nuns, which



struck us as the height of absurdity. Upolu claims the distinction of containing the only nunnery in the South Pacific. Grog-shops have as usual followed close upon the footsteps of the missionaries, and even Apia contains six of them in full blast.

We had as fellow-passengers a family of English missionaries to land at Tutuila, who were on their return to the islands after a brief visit to their European home. This family had already lived five years among the Samoans, and were returning hither to complete their term of ten years under the direction of the London Missionary Society. Much interesting information was gathered from them concerning the manners and customs of the people of the group. As a race, it appears that they are quite distinct from other Polynesian tribes, and are far behind many of them in point of civilization. They seemed to us to be half amphibious, full of mirth and irresponsibility as we saw them in their naked simplicity, quite as much at home in the water as in their canoes. We were told that the children learned to swim before they could fairly walk, – which seemed almost incredible. They are mostly professed Christians, whatever that may signify to them, – though we very much doubt if a dozen could give the meaning of the term. One real and undoubted benefit which these missionaries impart to the natives is that they are teaching them to read, write, and speak English in regularly organized schools; so that there will be few of the rising generation who will not possess this important knowledge at least.

The health of the people on these islands is represented to be most excellent, owing to the perfection of the climate; but there is one prominent drawback to the locality in the presence and prevalence of elephantiasis among the natives, from which hideous disease the foreign residents are not exempt. It requires time to develop it in the system, and it does not attack persons until after a residence of eight or ten years. There is no known cure for the disease, unless one leaves the region where it is developed, and even then it requires a surgical operation to remove the enormous protuberance which usually forms upon the lower part of the body or the limbs. We saw some photographs taken from life of sufferers through elephantiasis, which exhibited swellings upon the limbs and body half as large as the individual's body itself. Nowhere else in the world do malformations caused by this peculiar disease assume such tremendous proportions as here in Samoa. Quinine is freely used to check the development of the affliction, as it is known to prevail most in low-lying and marshy neighborhoods; and yet what we term malaria is absolutely unknown among these islands. A German resident took passage in our ship on his way home to Berlin, who had lived some dozen years at Apia. The disease had begun its development in his ankles, one of which was swollen as large as his thigh. The local physician had advised his departure at once, and that a surgical operation should be performed in another climate. Singular to say, these protuberances can almost always be safely severed from the body by a skilful surgical operation, enormous though they be; nor are they liable to return if the patient keeps away from the climatic influences which caused them.

"The Samoans have no authentic information in any form concerning the past," said our intelligent friend the missionary. "It is to them quite as unknown as the future. They possess traditions, but such as are only fragmentary and unreliable, probably the inventions of their designing priests. Their origin and history are in fact clouded in utter obscurity." Their language seems to be an offshoot of the Malay, and does not resemble especially the Hawaiian or Maori languages, which are almost identical with each other. This seems rather strange, as their ocean home is situated in a direct line between the two, which should indicate, one would think, a similar origin of the races. "They live under an iron bondage of superstition, which seems inherent in their nature," said our informant, "and which no attempt at Christian enlightenment appears to dispel."

One instance was related to us relative to their blind simplicity, but which at the same time evinced a degree of shrewdness. A chief, old and decrepit, who realized that he was near his end, after attending the missionary services on a certain Sabbath afternoon, returned to his cabin where he was soon after found going through all the barbaric ceremonies of his ancient faith before a wooden image, beating time on a rude tom-tom, and performing other strange rites. The missionary, who

had come to bring him some medicine for a chronic trouble from which he suffered, expressed his surprise that he should be thus engaged in idolatrous worship after so recently participating in the Christian ceremonies. "Ah!" said the old savage, "me fish with two hook. I catchee fish. Fish no like one hook, he bite other hook." It was naïvely expressed, but signified that by accepting both creeds, – that of the Samoan priests and that of the missionaries, – he would have two chances instead of one of getting to the better world, toward which even South Sea Islanders hopefully turn their eyes.

On the occasion of our second visit to the Samoans, – that is, on the return voyage coming north, – we had more opportunity to study the race; but the shrill whistle of the steamer finally warned our visitors away from the vessel, – a signal which they well understood and generally heeded. The Government boat having put her mail on board, there was nothing further to detain us. When we were once more fairly under way, it was found that one of the natives had been left on board bargaining with the passengers in the cabin below. He coolly tied up the silver he had received for his wares in a knot of his breech-cloth, stepped to the ship's side, and plunged headlong into the sea. Rising quickly to the surface he struck out for Tutuila, a league and more away, with no more seeming hesitation than we would feel in beginning a walk of a like distance upon the land. Once he was seen to turn upon his back and float for a moment leisurely upon the surface, but soon resumed his swimming position again, heading steadily for the land.

At that moment the cry came from forward, "There she blows!" the usual signal at sea for a whale in sight, and all eyes were turned to watch the gambols of a large whale and her calf, half a mile to windward. It will be remembered that these were once famous whaling latitudes, but this adventurous industry has now become almost a thing of the past in these regions. In the mean time the Leviathan and its giant baby were lashing the sea and sending up small mountains of spray, the calf occasionally leaping quite out of the water in its redundant sportiveness. When we finally turned toward the swimming native again, in the opposite direction, his shock of yellow hair was quite lost to view amid the vivid sunlight which blazed over the quivering sea.

After the Samoan group, we passed through or near the Society Islands, encircled by coral reefs, but kept steadily on our course south-southwest, making thirteen knots an hour, and hastening out of the heat of the tropics into a cooler and more comfortable region.

In no other part of the world has the author seen a clearer atmosphere or a grander display of the heavens at night than was enjoyed in the regions through which we were now sailing. Hours were passed in watching the luminous sky, where new and brilliant constellations were serenely gazing down upon us. Venus, the evening star, shone so clear and bright as to cast a long wake upon the wrinkled surface of the sea. There are but about fifteen hundred stars which can be counted from a ship's deck by the naked eye, – a fact which but few persons realize. With an opera-glass or telescope, however, the number can be much increased. We are told that astronomers, by means of their greatly improved facilities, have counted twenty millions of stars. This may be true, and yet it seems almost incredible. We have seen an observer, not familiar with the location of the Southern Cross, examine the heavens long and patiently before being able to find this famous cluster of the Southern Hemisphere, – a visual obtuseness not uncommon among persons who seldom watch the heavens by night. Few give much thought to the stars. Some hastily glance at them and pronounce them beautiful; others regard them with more patient admiration; but not one in a thousand seriously and carefully studies them. A good way of readily finding the Cross is to remember that there are two prominent stars in Centaurus that point directly to it. The one farthest from the Cross is regarded as the fixed star nearest to the earth, but its distance from us is twenty thousand times that of the sun. Stellar distances especially can be realized only by comparison. For instance: were it possible for a person to journey to the sun in a single day of twenty-four hours, basing the time upon a corresponding calculation of speed, it would require fifty-five years to reach this nearest star!

Probably not one half of those who have sailed beneath its tranquil and impressive beauty are aware, that in the middle of the Southern Cross there is a brilliant cluster of stars, which though

not visible to the naked eye, are brought out with a strong telescope, – shining like new gems in a beautiful necklace of pearls. In these far-southern waters we saw for the first time what are called the Magellan Clouds. They lie between Canopus, Acherner, and the South Pole. These two light clouds – or what seem to be such, seen in a perfectly clear sky – are nothing more nor less than visible nebulae, or star-clusters, at such vast distances from the earth as to have by combination this effect upon the human vision.

At sea the stars assume perhaps a greater importance in our estimation than on land, because from them is obtained latitude and longitude, on the principles of terrestrial measurement; and thus by their aid the mariner determines his bearing in the great waste of ocean. Forty or fifty centuries ago the Chaldean shepherds were accustomed to gaze upon these shining orbs in worshipful admiration, but with no idea of their vast system. They were to them "the words of God, the Scriptures of the skies." It has been left to our later days to formulate the methods of their constant and endless procession. All the principal stars are now well known and their limits clearly defined upon charts, so that we can easily acquire a knowledge of them. The inhabitants of North America have the constellation of Ursa Major as also the North Star always with them; they never wholly disappear below the horizon. When the mariner sailing north of the equator has determined the position of this group of seven stars, two of which are known as "the pointers" indicating the North Star, he can designate all points of the compass unerringly. But in the South Sea, where we are writing these lines, a little north of New Zealand, they are not visible. Other constellations however, whose relative positions are as fixed in the Southern Hemisphere, become equally sure guides to the watchful navigator.

How suggestive are these "altar-fires of heaven," particularly when seen from the deck of a ship, alone and at midnight, surrounded by infinite space, thousands of miles from land and home! Generations of men succeed one another in rapid succession, nations rise and fade away, whole races are obliterated from existence, pyramids moulder into dust with thousands of years upon their heads; but the stars fade not; they are the same, unchanged, unchanging, through all the centuries, uninfluenced by the fall of empires or the wreck of human hopes and beliefs.

On the night of the 20th of June the hundred and eightieth meridian was crossed, and the 21st of June was dropped into the sea, so to speak. We had no Tuesday that week; Wednesday followed Monday, – a natural experience in going round the world, which has often been explained. We had been losing time daily in sailing south and west, until this change of date became necessary to regulate the ship's time in accordance with that of Greenwich. An ungeographical Englishman whom we had on board our steamer refused to alter the time of his watch from the first, saying that he only knew that it would come right of itself when he got back to London, which was true enough, though he could not explain why.

Twenty-one days from San Francisco the light at Tiri-tiri Point, on the coast of New Zealand, was sighted, twenty miles distant from Auckland. We entered the harbor early in the morning, and were soon moored at the Union Company's wharf, at the foot of Queen Street. Here the ship not only had freight to discharge, but two or three hundred tons of coal to take on board; so we enjoyed a whole day wherein to stroll about the city, and in the evening we witnessed the "Pirates of Penzance" at Abbott's Opera House. The play was admirably performed by an itinerant company, which regularly makes the rounds of the colonial cities of both Australia and New Zealand.

The outer and inner harbors of Auckland are very beautiful, having picturesque headlands, dominated by volcanic mountains and extinct craters, – indeed the city stands upon the lava vomited from the bowels of Mount Eden. The first land made on coming from the Samoan group was great Barrier Island, which separates the ocean eastward from the Hauraki Gulf, upon which Auckland is situated.

As we shall return in future chapters to this interesting country, no more need be said of its northern metropolis in this connection.

Early on the morning after our arrival the "Zealandia" was again under way, steering north-northeast, until the most northerly point of New Zealand was doubled, then an exact due-west course sped the good ship on her way to Sydney, Australia, twelve hundred and eighty miles distant. It is a stormy ocean that lies between these two countries, and it is useless to disguise the fact that the voyager who crosses it must make up his mind to great and unavoidable discomfort. Any one pursuing the course indicated in these pages, however, will have become pretty well seasoned before entering upon this stage of the long journey. The famous English man-of-war "Challenger" essayed this voyage between Sydney and Auckland twice before she accomplished it, finally fighting her way through the boisterous waves and adverse currents with the united power of sails and steam.

We approached the coast of Australia in tempestuous weather and at night, the "Zealandia" stoutly ploughing her way through a heavy head-sea, while half a gale of wind blew in our faces, and hailstones nearly as large as marbles cumbered the deck. The ship seemed to evince almost human instinct, pausing for an instant now and again, and trembling in every seam as huge waves blocked the way; then, bending down determinedly to the work of forcing a path through the opposing billows, she forged ahead, with the bows at one moment lifted high in air, and the next half buried in the sea. A few days previous we were in the burning latitudes of the Samoans, now we were on the verge of freezing. This temperature was perhaps exceptional, and indeed after landing we were satisfied that it was so. The storm gradually abated during the night, and the clouds rapidly cleared away, racing madly across the sky like retreating cavalry. While we were still fifty miles off the shore, which was hidden in night and distance, the first officer of the ship, knowing that we would thank him for doing so, awoke us from sleep, and as soon as we joined him on deck he pointed out a glow on the far-away horizon, which he said was caused by the light-house on Sydney Heads. Having carefully watched the ship's reckoning, we knew her position very nearly, and looking at him in surprise, we asked, —

"Is it possible to make out a light-house at sea from such a distance as your reckoning shows you to be from land?"

"Certainly," he replied, "for there is Hornby Light."

"It seems impossible," we exclaimed.

"Perhaps I should qualify the remark," said he.

"In what way?" we asked.

"I do not mean that we actually see the light itself, but we clearly see its reflection upon the horizon."

"Still," we rejoined, "it seems incredible."

"You must remember," said he, "that this is an electric light, placed on the top of a very lofty cliff; and also that the light-house itself is many feet in height."

"Seeing is believing," was all we could say.

But we had not before supposed that a light under any circumstances could be made out at such a distance on the sea. Hornby Light occupies one of the most important headlands on the entire coast of Australia, and great care is taken to maintain its efficiency.

After a sea-voyage of nearly a month's duration, the sight of land was indeed welcome. One could not but feel a burning impatience once more to tread the solid earth. This was no isolated volcanic island lying half submerged amid a broad expanse of turbulent seas; it was literally *terra firma*, the visible portion of a whole continent. A steamer of two or three hundred tons brings the pilot off the shore in these vexed and boisterous seas. The struggle to board us was one requiring coolness and courage, nor was it accomplished without considerable risk.

Six hours after sighting the distant light of Sydney Heads we were running in between the two bold, frowning, giant cliffs which form the entrance of this remarkable harbor. The ship was on half speed. Botany Bay was passed, — a now lovely retreat, retaining nothing of its ill-repute but the name. It is seven miles below the capital, and now forms a pleasure resort for the citizens of Sydney. Woolloomaloo Bay, McQuade's Point, Garden Island, and the forts were passed one after the other,

as we slowly forged ahead through the channel. Some surprise was felt at the indifferent nature of the visible defences of Sydney harbor, assuming that defensive means are required at all; but it seems that there are torpedoes, booms, and submarine appliances all ready to be sunk should such defences be called for by any hostile demonstration.

To eyes weary of the monotony of the sea the aspect of the famous harbor with its lake-like expanse, its many green islands with handsome residences scattered over them, its graceful promontories and the abundance of semi-tropical vegetation, all together formed one of the loveliest pictures imaginable, heightened as these attractive surroundings were by the dewy freshness and glow of the early morning sun.

The wharf at which we landed was not in the busiest maritime district, but seemed to be situated in the centre of the town as it were, our tall masts taking their place among the multitude of church spires and weather-vanes which crowd together here. The usual custom-house ceremonies were encountered, which in this instance were not of an annoying character, and we soon began to realize that we were upon the soil of this great island-continent which possesses an area of nearly three millions of square miles. So far as we can learn, it was a land entirely unknown to the ancients, though it is more than probable that the Chinese navigators knew of the existence of North Australia at a very early period. Still, until about a century ago it presented only a picture of primeval desolation. The hard work of the pioneer has been done, and civilization has rapidly changed the whole aspect of the great south lands. To-day the continent is bordered by thrifty seaports connected by railroads, coasting-steamers, turnpikes, and electric telegraphs. It is occupied by an intelligent European population numbering between three and four millions, possessing such elements of political and social prosperity as place them in an honorable position in the line of progressive nations.

The first railroad in Australia was begun in 1850, but at this writing there are ten thousand miles of railroad in successful operation, owned by the several local governments. So favorable is the climate, that nearly the whole country might be turned into a botanical garden. Indeed, Australia would seem to be better entitled to the name of Eldorado, so talked of in the sixteenth century, than was that imaginary land of untold wealth so confidently believed by the adventurous Spaniards to exist somewhere between the Orinoco and the Amazon.

This new home of the British race in the South Pacific, surrounded by accessible seas and inviting harbors, inspired us at once with vivid interest. We say "new," and yet geologically speaking it is one of the oldest portions of the earth's surface, containing a flora and fauna of more permanent character than that of the European continent; for while a great part of Europe has been submerged and elevated, crumpled up as it were into mountain chains, Australia has been undisturbed. It is remarkable that in a division of the globe of such colossal proportions there was found no larger quadruped than the kangaroo, and that only man was a predacious animal. He, alas! was more ferocious than the lynx, the leopard, or the hyena; for these animals prey not upon each other, while the aborigines of Australia devoured their own species.

What America was to Spain in the proud days of that nation's glory, Australia has already been to England; and that, too, without the crime of wholesale murder and the spilling of rivers of blood, as was the case in the days of Cortez and Pizarro. The wealth poured into the lap of England by these far-away colonies belittles all the riches which the Spaniard realized by the famous conquests of Mexico and Peru. Here is an empire won without war, a new world called into existence by moral forces, an Eldorado captured without the sword. Here Nature has spread her favors broadcast over a land only one fifth smaller than the whole continent of Europe, granting every needed resource wherewith ultimately to form a great, independent, and prosperous nation; where labor is already more liberally rewarded, and life more easily sustained, than in any other country except America.

Among the most prominent advantages which at first strike the observation of the stranger in Australia are those of an extended shore-line indented with many noble harbors, a semi-tropical

climate beneath bright Italian skies, a virgin soil of unequalled fertility, and a liberal form of government; while the hills, valleys, and plains abound in mineral wealth of gold, silver, iron, copper, and coal, inexhaustible in quantity and unsurpassed in quality. To the black diamonds of her coal-fields Australia will owe more of her future progress than to her auriferous products. They already have conduced to the grand success of various branches of manufactures, as may be seen in the many enterprises springing up in the neighborhood of Sydney. The coal-fields extend all along the seaboard from Brisbane to Sydney. Those at Newcastle are of vast proportions, having a daily output which gives employment to a large fleet of steamships and sailing-vessels. This coal is mined and put on shipboard, as we were told, at a cost of eleven shillings per ton. It is of excellent quality, admirable for manufacturing purposes, and very good, though somewhat dirty, for steamship use. Near these Newcastle coal-mines are ample deposits of iron ore of excellent quality, – two products whose close proximity to each other is of great importance in the economical production of manufactured iron and steel. Only immigration is now needed to develop these grand resources, and that requisite is being supplied by a numerical growth surpassed alone by that on the Pacific coast of the United States.

It is difficult to believe, while observing the present population, wealth, power, and prosperity of the country at large, characterized by such grand and conspicuous elements of empire, that it has been settled for so brief a period, and that its pioneers consisted of the overflow of English jails and prisons. The authentic record of life in the colonies of Australia during the first few years of their existence is mainly an account of the control of lawless men by the strong and cruel arm of military despotism, often exercised under the most unfavorable circumstances. Situated more than twelve thousand miles away from their base of supplies, famine was often imminent, and the unavoidable sufferings of officers and men, of officials and prisoners, were at times indescribably severe. The earliest shipment of criminals hither was in 1787, consisting of six transports with about eight hundred convicts, two hundred of whom were women. These were disembarked at Port Jackson, in Sydney harbor; so that the first settlement of New South Wales was strictly a penal one.

## CHAPTER IV

Interesting Statistical Facts. – Emigration. – Heavy Indebtedness. – Curious Contrasts. – New South Wales. – A Populous City. – A Splendid Harbor. – The Yacht "Sunbeam." – Street Scenes. – Gin Palaces. – Public Gardens of Sydney. – A Noble Institution of Learning. – Art Gallery. – Public Libraries. – Pleasure Trip to Parametta. – Attractive Drives. – A Sad Catastrophe in Sydney Harbor.

Before proceeding to take the reader from city to city, and to depict their several peculiarities, a few statistics gathered by the author on the spot will afford as tangible evidence of the growth and present commercial standing of the colonies of Australasia as anything which could be adduced.

The annual revenue raised by these colonies aggregates a larger sum than that realized by Sweden, Norway, Switzerland, Denmark, and Greece united. Five hundred million dollars are annually paid for imports; and exports to a like amount are sent from the country. Up to the present writing Australia has realized from her auriferous soil over three hundred and thirty million pounds sterling. Her territory gives grazing at the present time to over seventy-five million sheep. This is more than double the whole number of sheep in the United States. When it is remembered that the population of this country is sixty millions, and that Australia has not much over three millions, the force of this comparison becomes obvious. The amount of wool exported to the mother country is twenty-eight times as much as England has received in the same period from the continent of Europe. The combined exports and imports of the United Kingdom of Great Britain are shown to be a little over one hundred dollars per annum for each unit of the population; in Australia the aggregate is a trifle over two hundred dollars per head. The four principal capitals of Australia contain over eight hundred thousand inhabitants. The railroads of the country have already cost over two hundred million dollars, and are being extended annually. New South Wales has in proportion to its population a greater length of railroad than any other country in the world, while there are some thirty thousand miles of telegraph line in the length and breadth of the land. In ten years, between 1870 and 1880, New Zealand doubled her population, having now some six hundred thousand; and the Australian colonies increased at nearly as rapid a rate, while the monthly immigration still going on gives constant and profitable employment to one of the best equipped steamship lines upon the ocean.

The steady and natural increase of population in Great Britain, taken in connection with the circumscribed limits of her territory, demands an outlet for the annual emigration of a large percentage of her people. There are no better lands for those who are thus induced, or compelled, to seek another field wherein to create a new home than Australia and New Zealand. There are several considerations that lead to this conviction. First, such immigrants will still be under the fostering care of their native government; second, the colonial authorities offer great inducements to immigrants, such as grants of land together with free transportation from the old to the new country; and third, there is here a climate far more desirable and healthful than that of England, Ireland, or Scotland. While the necessary cost of living is less, wages are higher, and many luxuries can be enjoyed which at home would not be considered within the reach of persons of moderate means. Bread, the staff of life, and meat, its strong supporter, are both very much cheaper in the colonies than in any part of Great Britain. These considerations enforce the conclusion that Australasia is the natural resort of emigrants from the British Isles, and that it will continue to attract thence a steady flow of population. Canada for the emigrant presents not a moiety of the inducements of these South Sea lands, nor can we understand what possible reason can lead British subjects to select it above the favored country of which we are treating.

While we were discussing the economical and political condition of the colonies with a government official at Sydney, he took occasion to express regret at the large debt of the colonies. We

are glad to know, however, that these debts of the several divisions of Australia and New Zealand do not represent the cost of useless wars or expenditures for vain glory; on the contrary, the money has been invested in railroads and other necessary and substantial improvements, which form an ample security or mortgage for the same, and which is yearly increasing in value. Probably some of these enterprises have been premature, but their ultimate value is beyond all doubt.

Australia is divided into five provincial governments, – New South Wales, Victoria, Queensland, South Australia, and West Australia. The island of Tasmania forms another province, and is separated from Victoria by Bass Strait, the two being within half a day's sail of each other. Sydney is the capital of New South Wales; Melbourne, of Victoria; Adelaide, of South Australia; Brisbane, of Queensland; Perth, of West Australia; and Hobart, of Tasmania. It may be remarked incidentally that South Australia might more properly be designated by some other title, as it is not South Australia at all. Victoria lies south of it, and so does a large portion of West Australia. The governments of these several divisions are modelled upon that of New South Wales, the parent colony of them all.

Though we are by no means attempting to write a history or make a geography of these great southlands, still an enumeration of certain important facts is not inappropriate, and will serve to make matters more clear to the general reader as he accompanies us through the following pages.

We have said that the several governments of these colonies are modelled upon that of New South Wales, which has a constitution and two Houses of Parliament. The first, or Legislative Council, is composed of a limited number of members nominated by the Crown, and who hold office for life; the second, or Legislative Assembly, is composed of members elected from the various constituencies, who are chosen by ballot. All acts before becoming law must receive the approval of the Queen of England, though this is said to be practically a mere form. There is a resident Governor in each colony, also appointed by the Queen. Educational facilities, especially as regards primary schools, are abundant, attendance upon which is compulsory. Where children reside at some considerable distance from school, free passes are given to them on the railroads to facilitate compliance with the legal requirement.

One of the first thoughts that dawned upon us after we had time fully to realize this state of affairs in these Antipodes was that as compared with our own country this is a land of curious contradictions. Here the eagles are white and the swans black; the emu, a bird nearly as large as the ostrich, cannot fly, but runs like a horse. The principal quadruped here, the kangaroo, is elsewhere unknown; and though he has four legs, he runs upon two. When the days are longest with us in America, they are shortest here. To reach the Tropics Australians go due north, while we go due south. With us the seed, or stone, of the cherry forms the centre of the fruit; in Australia the stone grows on the outside. The foliage of the trees in America spreads out horizontally; in this south-land the leaves hang vertically. When it is day with us, it is night with them. Here Christmas comes in midsummer; with us, in mid-winter. Bituminous and anthracite coal are with us only one color, – black, black as Erebus; but they have white bituminous coal here, white as chalk. We are thousands of miles north of the equator; they are thousands of miles south of it. The deciduous trees with us shed their leaves in winter; with them they are evergreen, shedding their bark and not their leaves, – the gardens of Alcinoüs being not more perennial than the length and breadth of this favored land.

In proceeding with our subject it is proper to begin with New South Wales, at whose capital we landed, this colony being also the oldest if not the wealthiest province of the entire country. Not only her mineral wealth and great agricultural facilities, but her commanding position and numerous admirable harbors will ever enable her to maintain precedence among her prosperous and wealthy sister colonies. As originally founded, New South Wales embraced the whole eastern seaboard of Australia; but in 1851 the southern part was formed into the province of Victoria, and in 1859 the northern part was divided into a separate colony, called Queensland, still leaving her an extensive sea-coast of eight hundred miles in length. When we say that New South Wales is twice as large as



California, it will be realized that she is not greatly circumscribed in territory. The present population, in the absence of actual statistics, may be safely stated to amount in round numbers to one million.

Sydney, often called by her citizens the Queen of the Pacific, is built upon two ridges of land of considerable elevation, the valley between being occupied by the busiest portion of the population and containing the best shops in every department of trade. There are many fine large business and public edifices of stone, but these are only too often flanked by buildings of a very low and awkward construction, one story in height. There is no consecutive purpose or uniformity in the street architecture, a wild irregularity prevailing. George Street, which is the main business thoroughfare, is two miles in length, and contains many stores or shops furnished as well as the average of those in Vienna and Paris. These are really fine business edifices, having massive French plate-glass windows and being in all particulars admirably appointed.

The peculiar conformation of the town makes the lateral streets precipitous, so that a large portion of the city is composed of hilly avenues, to surmount which there is a constant struggle going on with loaded teams. Like the old streets of Boston, those of Sydney were the growth of chance, and were not originally laid out after a system, as in Melbourne, Adelaide, or Brisbane. Our Washington Street was originally a cow-path, while the present site of George Street in Sydney was at first a meandering bullock-track. The names of the streets are historic in their suggestions. George Street was named after George the Third, during whose reign the colony was founded. Pitt Street is named after the Earl of Chatham; Castlereagh, Bathurst, Erskine, and other streets recall familiar names of English statesmen. The higher thoroughfares, those upon the ridges, overlook the inner harbor and shipping, affording a constantly varying maritime picture. Thus from nearly opposite our hotel, on the day of our arrival, we saw lying upon the waters of the bay four large German men-of-war (the same which afterward visited and terrorized the simple natives of the Samoan Islands), and also an iron-clad belonging to Japan fully equal in nautical appearance to the German craft. All were dressed from their hulls to their topmast heads with tiny flags in gayest colors, as it happened to be Coronation day. A little nearer the heart of the town, in what is known as Farm Cove, Lord Brassey's famous yacht, the "Sunbeam," rode quietly at anchor, whose keel has cut the waters of all the notable harbors of the world, and whose significant name the late lamented Lady Brassey has rendered a household word by her delightful pen. The snow-white hull and graceful rig of the yacht was not unfamiliar to the author, who saw it six years ago at Port Said, and who then met its late mistress at Cairo, in Egypt. Excursion steamers, ferry-boats, men-of-war launches, racing-cutters, and a hundred small sailing-craft added life and interest to this impressive picture of Sydney harbor, as seen from the higher streets of the town.

The much-lauded bay is indeed charming, as the most indifferent spectator must admit; yet it did not strike us as so much more beautiful than others that we have visited in various countries. It is better, however, not to challenge the ire of all Sydney by speaking irreverently of the harbor, since the faithful worship of its alleged incomparable beauty is with the citizens a species of religion. It has the advantage of being but slightly affected by the tides, and in consequence has no shoals to spoil the view with their muddy aspect at various times each day, or to emit noxious fumes under the rays of a burning sun. Eight or nine fathoms of water in nearly any part of the bay make it accessible to ships of heaviest draught. It is seven miles from the entrance at the Heads up to the city proper. This capacious basin, with its countless nooks and windings, has a shore line of two hundred and fifty miles, the whole of which is so well protected and land-locked that in all weather it is as glassy and smooth as the Lake of Geneva.

The main thoroughfares of Sydney are not kept in a very cleanly condition, – a statement which even the residents must indorse; but the streets are full of the busy life which appertains to a great metropolis. Cabs and private vehicles dash hither and thither; heavily-laden drays grind their broad wheels over the rough pavements; pedestrians crowd the sidewalks; messenger boys, mounted upon wiry little horses, gallop on their several errands, some of them dressed in scarlet coats, signifying that

they are in Government service; newspaper hawkers, boot-blacks, bearers of advertising placards, itinerant fruit-venders, Chinamen with vegetables in baskets slung on a pole across their shoulders, pass and repass one in rapid succession; omnibuses rattle furiously over the pavements, while the "going, going, gone," of the open sham auction-rooms rings upon the ear. Now and then one meets a beggar, blind or decrepit; but such are not numerous, and generally palliate their vocation as well as evade the law by offering some trifling articles for sale, such as pencils, shoestrings, or matches. In European cities, where professional beggary is so often resorted to as a regular occupation, one hardens his heart and passes these people heedlessly by; but here in Sydney he drops a trifle in the hat. Every street-corner has its bar-room, about whose doors are congregated a disreputable crowd of bloated faces and bleared eyes, among whom are seen only too many of the youth of the town, beginners in vicious habits, besides numerous idle but able-bodied representatives of the laboring classes. No part of London even is more numerously supplied with gin palaces and low tap-rooms than Sydney. The sad sight of intoxicated women staggering along the public way shocked the sensibilities, though this unfortunate exhibition was far less common than we have seen it in Liverpool and Glasgow. The demi-monde are fully represented upon the streets, – one of the sad but inevitable concomitants of a great city. Let us add, in all fairness, that this objectionable feature is certainly no more conspicuous here than in Chicago or New York, – a fact which is mentioned not to draw a comparison, but in order faithfully to depict the every-day aspect of a colonial capital.

Turning from these multiform scenes of human life, often ludicrous, but oftener painfully sad, we sought the Botanical Gardens; and after that at Calcutta, and the superb gardens of Kandy in Ceylon, this of Sydney is the next finest we remember to have seen. In round numbers these gardens embrace fifty acres of land, laid out in terraces and irregular elevations, so that many of the broad paths overlook portions of the city and harbor. The grounds extend on a gentle incline to the shores of the beautiful bay, forming a semicircle round what is known as Farm Cove, a picturesque indentation of the harbor. The several main paths are liberally ornamented with statuary representing Flora, Ceres, Commerce, Science, etc. One special charm of these delightful grounds is the fact that they are accessible by a walk of about five minutes from the centre of the city. It is not necessary to organize an excursion in order to reach them, as is the case with many similar resorts elsewhere, such as Sydenham in London, Central Park in New York, or the Bois de Boulogne, Paris. Here semi-arctic and semi-tropical plants and trees were found growing together, and all parts of the globe seemed to be liberally represented. The hardy Scotch fir and the delicate palm of the tropics jostle each other; the india-rubber tree and the laurel are close friends; the California pine and the Florida orange thrive side by side; so with the silver fern-tree of New Zealand and the guava of Cuba. China, Japan, India, Africa, Egypt, and South America, all have furnished representative trees and shrubs for these comprehensive gardens, and here they have become acclimatized. A thrifty cluster of the Indian bamboo, that king of the grasses, was seen here forty feet high, close by a specimen of the native Australian musk-tree, which attains a height of nearly twenty feet and exhales from leaf and bark a peculiarly sweet odor, though not at all like what its name would seem to indicate; it has broad, laurel-like leaves and bears a pale yellow blossom. There was pointed out to us a sheoak-tree, which it is said emits a curious wailing sound during the quietest state of the atmosphere, when there is not a breath of wind to move the branches or the leaves. This tree is almost universally found growing near the sea, and is said to have borrowed the murmur of the conch-shell. No reasonable cause is assigned for its mournful song, which has proved to be the inspiring theme of many a local poet.

Near the very centre of the gardens three Norfolk Island pines attracted particular attention because of their remarkable development. The head gardener told us that they were planted here about 1820, and they are certainly the noblest examples of their kind we have seen. The oldest one, perfect in form and foliage, is ninety-five feet high, and three feet from the ground measures fourteen feet nine inches in circumference; the other two are even taller, but measure one foot less in circumference.

The density of foliage, uniformity of shape, and general perfection of these beautiful pines exceed anything of the kind to be found elsewhere.

In walking to the Garden by the way of Bridge Street, there was observed, just opposite the buildings containing the Educational Bureau, a dual tree of great size and beauty. The effect was that of one immense tree, but there were really two trunks which furnished this mountain of foliage. They were Moreton Bay Fig-trees, and were full of green fruit. This tree, the fruit of which we believe is useless, has a singular habit which recalls that of the banyan-tree; namely, that of forming many aerial roots which hang downward from the branches, though they do not grow long enough to reach the earth and produce new stock like the banyan, – which is known, by the way, as the Indian fig-tree.

Within the Botanical Gardens the flowers were as attractive and in as great variety as the trees. Fuchsias, roses, camellias in great variety, pansies of the double species, a whole army of brilliant tulips, and many other plants were in gorgeous bloom, though this was in July, which, it must be remembered, is winter in Sydney. The collection of camellias was remarkable both for the size to which they grew and for the abundance of the blossoms. Over three hundred were counted on one tree, as white as untrodden snow, all being of perfect form and freshness; there were others double, single, striped, and scarlet, all thrifty and lovely, but none of them quite equal to the myriad-decked one in white. The azaleas, double scarlet geraniums, violets, heliotropes, and daphnes were dazzling in color and confusing in their abundance. Nestling among the mounds of rock-work were succulent plants, orchids, cacti, ferns, and other pleasing forms of delicate vegetation. Flowers bloom in every month of the year in this region, out of doors, and are rarely troubled by frost.

As we came out of the Public Garden after this first visit, the last rays of the setting sun threw tremulous shadows over the foliage and the pale faces of the marble statues. The softening colors of the western sky were reflected clearly in the unruffled arm of the bay close at hand, tinging its waters with purple and golden hues. It was a scene and moment to put one at peace with all the world. The atmosphere was intoxicatingly fragrant just at this bedtime hour of the flowers, filling one here, within pistol-shot of the crowded, boisterous life of the town, with sensuous delight.

Sydney has two or three moderate-sized but very attractive arcades, – one especially worthy of note leading from George Street near the City Hall, in which are many fine shops, refreshment saloons, and cafés, with flower and fruit stores. These areas being under glass – that is, roofed over at the top of the buildings – are a favorite resort for ladies and promenaders generally. On entering these arcades one steps from deafening and confusing noise into a quiet atmosphere, with most agreeable surroundings. Not far away on George Street is the general vegetable and fruit market, where poultry and flowers are also sold. The articles are displayed with an artistic eye for color and appropriate effect. Young women are employed to sell the fruit and flowers, whose pleasant and by no means obtrusive importunity with visitors makes many purchasers. George Street is fragrant on a sunny afternoon with button-hole bouquets, purchased of these flower-girls, who evince admirable taste in the graceful and effective manner of arranging their floral gems. The display of fruit is remarkable, and the article is as cheap as it is tempting; so that those who in England or in many parts of America would not feel able to afford to indulge in oranges, apples, pears, and bananas, not forgetting the appetizing fruit of the passion-plant, here make of these a wholesome addition to their daily food-supply. Sydney is only rivalled in this respect by San Francisco, which city cannot be surpassed in the cheapness or quality of its fruit from tropical and semi-tropical regions within its own borders.

Many floral establishments solely devoted to the sale of plants and cut-flowers were observed in different sections of the city with very beautiful displays in their large plate-glass windows. It is only a liberal population of refined taste which will support these attractive establishments; their manifest thrift tells its own story.

If in these notes we speak most frequently of the common classes, depicting scenes illustrative of humble and every-day life among the masses, it is because such are the most representative; but the reader may be sure that there is another class happily existing in Sydney, and in all of these

Pacific colonies, where the author met with and shared the hospitality of many cultured people, who exhibited a degree of refinement unsurpassed in the best of our own home circles. Some writers choose to dilate upon their intercourse with such people, giving the names of officials and the initials of private individuals from whom they received entertainment; but it seems to us better to avoid such personal mention, in which the reader can feel very little interest.

The University of Sydney, admirably situated about a mile from the business portion of the city, not far from the Alfred Hospital, is the first that was founded in the Southern Hemisphere. In its immediate neighborhood are the affiliated colleges of St. Paul, St. Andrew, and St. John, belonging respectively to the Church of England, the Presbyterian denomination, and the Roman Catholics. Religious instruction is given at these colleges, but not in the University. This edifice is of Gothic architecture, built of freestone, and is situated in spacious elevated grounds overlooking Victoria Park and the city, being enclosed by a high iron fence. Within this enclosure, which is several acres in extent, the land is terraced and ornamented with choice trees and flowers. The façade of the main building is over four hundred feet in length. On one side is a fine large stone building just finished, which is designed for a Medical School; and on the other is a spacious structure appropriated to the purpose of a museum, where we found some thousands of classified objects of special interest as antiquities. The object of the University is to afford a liberal education to all orders and denominations without distinction. Graduates rank in the same order as those of similar British home institutions. This University was originally founded by Government, but from time to time it has been the recipient of rich endowments from private sources, until it has become nearly self-supporting. The great hall of this building deserves particular mention. It is a remarkable apartment finished elaborately in the Elizabethan style, and is lighted by ten large stained-glass windows. In these were observed representations of the sovereigns of England, from William the Conqueror to Queen Victoria. Several of these windows are the gifts of wealthy patrons. The room is about a hundred and fifty feet in length and fifty wide, with a ceiling reaching to the roof, being at least seventy feet in height, finished in Gothic style and forming a marvel of carpentry, carving and painting. The citizens of Sydney may well be proud of this admirably appointed University.

The Art Gallery is a low one-story iron building in the grounds of the park known as the Domain, and it well repaid a visit of a few hours, though it is at present only the nucleus of a future collection. It contains some excellent modern pictures by popular artists, English and French. One fine example by Louis Buvelot, an Australian artist, is full of merit. There are many excellent models of classic sculpture, including the group of the Laocoön. Some choice water-colors interested us, and there were some meritorious pieces of sculpture by native artists. One or two unselfish and devoted friends of art in Sydney have given the most of their time and much of their pecuniary means for years to promoting the interests of this collection, which under their fostering care has already reached a high intrinsic value, and is full of promise of future permanence and still greater excellence.

On the way back to our hotel from visiting the Art Gallery we stopped at the Free Public Library, which contains over one hundred thousand volumes arranged after a most admirable system. Not only do the immediate residents of the city and its environs enjoy the advantages of this collection, but the books are sent all over New South Wales, upon application from local authorities, in boxes containing one hundred volumes each, free of transportation. To secure this privilege in any instance, it is only necessary for the town authorities to sign a bond, making themselves responsible for the return of the books within a given period, or agreeing to pay for any that are lost. This system of distribution, we were told, worked admirably, involving no loss and no more wear and tear than any other consistent use of the books, while the benefits of the library are thus extended to half a million of people.

Another circulating library, known as Maddock's Select Library, was found in George Street, after the style of Mudie's in London, or Loring's in Boston, the object of which was to supply its patrons with the best books and serial publications as soon as published. Besides the periodical

literature of the day, this establishment contains thousands of standard books, which are constantly lent for a moderate sum to the reading public. This library, we were told, has been established for twenty years, and has really become a city institution. It is only upon visiting places which do not possess such convenient literary resorts that one can properly estimate their public value and importance.

Walking about the wharves in the early morning we one day saw and awaited the mooring of the incoming boat from Parametta. It was crowded with merchants' clerks, shop-keepers, and business people generally who are employed in the city during the day, but who return to their suburban homes to sleep. Among these were women from the shores of the river and harbor, with baskets of cut-flowers for the Sydney market. They were all neatly dressed, bright-looking girls and women, as rosy as their lovely wares. Some of them had two long light frames of wire which they carried in each hand, and in the openings of which were double rows of flowers, enabling each girl to carry a score and more of bouquets. These were glowing with morning freshness imparted by "some sweet mystery of the dew," and were composed of camellias in three or four colors, lilies of the valley, blue violets, and tea-roses, with sheltering borders of maiden's-hair fern and other varieties of green. All these were of out-door growth. Truly, flowers are appreciated, cultivated, and loved all over the world; even here in Eldorado they delight the eye with their beauty and the senses with their fragrance.

A brief day devoted to a trip from Sydney to the town of Parametta will well repay the visitor; and to vary the scene one should go thither by steamboat and return by the Sydney and Bathurst Railroad. This excursion gives one a better idea of the harbor in detail than can be acquired in any other manner. The comfortable little passenger-boat skirts the shore and winds among the small islands, stopping at many of them to land or to take up passengers. These islands are clotted with villas and cottages, each having a two-story veranda, generally decked with vines, and all overlooking the bay. The boat passes under a picturesque iron bridge painted white, which crosses an arm of the sea. Skilled oarsmen are constantly pulling up and down the Parametta River in their long, pointed, egg-shell boats, for here is the famous boat-race course. Verdant and well-wooded lawns of exquisite green sweep grandly down to the water's edge. Orange and lemon trees, with here and there a group of bananas and other tropical plants, bend gracefully over the tide. Now and again the Australian ivy beautifies the shore, creeping over the quaint little cottages and bursting out at times in clouds of yellow blossoms on rocky promontories and gently swelling knolls. One recognizes also the scarlet nasturtium and beds of soft blue violets intermingling with fragrant jonquils. The lily of the valley, forgetting that it is winter here, opens its bell-like blossom of snowy-white and fills the whole air with dainty sweetness. The green and striped aloe grows wild in clusters affording variety and beauty of effect to all around. There were here and there clusters also of the yellow-leaved wattle, producing by its foliage almost the exact effect of blossoms; and as the river is ascended, an abundance of the water-loving mangrove is seen bordering the banks, like willows in New England. And if one turns for a moment from the enchantment near at hand, far away over the plains and undulating country, mingling with the very clouds, are seen the Blue Mountains. All far-away mountains present an aspect of blue, but those of New South Wales are indeed cerulean.

A quiet aspect of stupid respectability, if we may be permitted the term, environed the town of Parametta. It is a dull place, and fully merits its expressive nickname of Sleepy Hollow. One is half inclined to look for a coating of blue mould over the streets and houses. While driving in the neighborhood, where everything seemed so purely English, one felt the sight of the many orange-trees in full bearing, or the flitting about of small paroquets, to be a sort of incongruity. The early colonists, as we were told, tried to raise wheat hereabout, but the soil was ill adapted to that cereal, though for raising oranges and semi-tropical fruits Parametta has since become quite famous.

The town is just fifteen miles from Sydney, and has in its environs some beautiful drives. Rocky Hall, the residence of a hospitable and wealthy citizen, not far from the town of Parametta, contains in its spacious grounds an orchard with a marvellous variety of growing fruits. The proprietor, Mr. James

Pye, is good authority on all subjects relating to horticulture. The salubrious character of the climate has enabled this gentleman to produce in abundance thriving specimens of nearly every known fruit either tropical or hardy, added to which he has a large and choice variety of flowers.

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