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ERUPTIONS OF VOLCANOES TOLD 2 YEARS IN ADVANCE

Science Overcomes Age-Old Fear—Dr. Jaggar
Going to West Indies to Forecast Next
Outburst on Montserrat Island

HONOLULU, June 11—The science of predicting volcanic eruptions has become so accurate that Dr. Thomas A. Jaggar, Jr., volcanologist with the United States park service in Hawaii, has been called to the West Indies to ascertain when the next eruption may take place on the island of Montserrat.

Royal Society Request

The trip, investigation and prediction are being made at the request of the Royal Society of London. Dr. Jaggar expects to complete his work by late summer.

For more than a year earth tremors have alarmed the people of Montserrat and the Royal Society of London sent Dr. Jaggar to survey the scene and to recommend any precautions that might be taken for the safety of the population. It happened that the invitation came at an opportune time, for Dr. Jaggar declares he is certain the volcanoes of the Hawaiian group will remain quiet for the next two years. His qualifications for making such a statement are attested by his previous uncanny accuracy in forecasting eruptions.

Hawaii's last display of volcanic activity started Nov. 21, 1935, and ended March 15 of this year. During the period, lava flowed from the side of Mauna Loa in the national park until early in January, after which the activities consisted of smoke pouring from the mountain's crater.

Predicted Eruption

Almost two years earlier, Dr. Jaggar had predicted this eruption. Not only did he fix the time, but he set the point where the lava would burst from the side of the mountain and the direction it would take. As activity started and continued, it bore

out the truth of the scientist's prediction in full detail.

The last volcanic disturbance also testified the volcanologist's farsightedness. On March 26, 1934, he stated in a public address that when activity started and lava began to rumble down the mountainside "our aviators and bombers will rejoice at the opportunity to show their prowess."

At that time, nobody knew what the scientist had in mind. Yet, when lava threatened to dam up the water supply 30 miles from the city of Hilo, Dr. Jaggar suggested to the U. S. army in Hawaii that planes be sent to drop bombs upon the lava, thus diverting it to a section where it could do no damage.

Lava Flowed Three Days

His suggestion was carried out. Tons of high explosive were dropped on the river of lava near its source. Three days later the lava ceased to flow. It was the first time a volcano had been made a bombing objective.

It was only because of the faith which Dr. Jaggar has in his own science and predictions that he accepted the invitation of the Royal Society to leave his post and undertake the Montserrat investigation.

"Since I am sure the volcanoes in Hawaii National Park will be inactive for the next year or two, I feel it is safe to leave my post long enough to accept the invitation to study the problem of the West Indies," he said.

The scientist bases his predictions upon the duration of past flows, the intervals between flows during the past century and a mathematical table showing an 11-year cycle between major eruptions.

DR. McQUIBBAN'S TWO PET BEARS UPSET SERVICE

ELORA, June 11—When two pet bears get loose on Sunday, church services are out of the question, at least at Alma, the home of Dr. Geo. A. McQuibban, M.L.A., for North Wellington.

Mike and Ike, a pair of year-old cubs belonging to the doctor, and brought to his home from Stratford only recently, gave the 200 villagers there a merry chase for two hours this morning, when it was found that they had broken out of their cage at the McQuibban residence.

The escape was first noticed when H. Treleven, local miller, went to the pasture to milk a cow. When he arrived he saw two bears playing in the same field. Treleven did not wait to milk the cow, but headed straight for the office of Dr. McQuibban.

By the time the doctor got out, the two bears had climbed a forty-foot spruce tree in the doctor's yard. It was then that a hurried telephone call to Stratford was made to summon the former owner of Mike and Ike, but during the time it took Bob McDonald to come from Stratford the natives had almost exhausted their resources in an attempt to recapture the bears.

By this time the entire village was crowding around the McQuibban residence in an effort to surround the two bears, but little attention was

paid to the crowd by the bears as they romped through the mob, resisting all efforts to get them back into their cage.

With the arrival of McDonald with a supply of honey and peanuts the bears were temporarily tamed and ate of the delicacies, but they just would not be led back to their cage. Through the crowd they glided and into the beautiful rock garden and fish-pond of their new master, breaking down flowers as they rolled in the tulip beds.

After almost two hours' continuous chase, during which time the bears climbed trees as nimbly as cats, Bob Robinson of Guelph staged a roping act, and lassoed Mike. After considerable coaxing he was placed in a nearby barn. As soon as Ike saw the game was over he followed Mike peacefully into the shelter, but it was too late then for people to go to church.

THE QUARRY

I gaze across the street so wide;
I start, I dart, I squirm, I glide,
I take my chance—oh, so slim—
I trust to eye and nerve and limb.
I scoot to right, I gallop through,
I'm here—I'm there—I'm lost to view.
My life, I know, hangs on the toss.
Another plunge—and "m across!"
Oh, give me pity if you can,
I am a poor pedestrian.

CAME ON THE QUEEN MARY AT ONLY \$85

And Third Class Passengers
Had Everything
But a Private Swimming Pool.

NEW YORK, N. Y., June 11—It is possible, and permissible, of course, to pay a few thousands for passage on the newest of the ultra-super-colossal luxury liners, the Queen Mary, but, on the other hand, the three thousand-mile trip can also be made on that self-same ship for \$85, plus tips.

To pay \$85 for your passage means, of course, to travel in third class, but it is a sober fact that a swimming pool is just about the only luxury of the cabin and tourist classes which is not duplicated on a smaller scale in third class.

You're sceptical? Take the word of Miss Margaret Roberts of Manchester, England, who has just made the trip and is still bubbling with enthusiasm over it. In fact, she is sure she had just as good a time as any of her fellow passengers who paid \$500 for a stateroom on the main deck.

The staterooms in third class?

"They're completely and attractively furnished," Miss Roberts said. "There are wardrobe dressing chests and comfortable chairs in each room, hot and cold water, individual berth lights and a ventilation system which the passengers themselves can control in direction and volume."

The public rooms? The lady from Manchester took a quick breath.

"There are any number of them," she said. "The dining room extends the entire width of the ship. The smoking room, which is semicircular, is not dark and stuffy like some of its predecessors. It's very bright and cheery. I counted the windows and there were twenty-two."

"At the end of the room is a cocktail bar. Below the smoking room, on B Deck, are the lounge, cinema and library," Miss Roberts continued. "A raised platform is provided in the cinema for theatrical purposes."

"We third class passengers enjoyed excellent talkie programmes throughout the voyage, with new English and American films and newsreels and cartoons. The concerts and music, too, were first class—so to speak. The orchestra played popular music in the lounge every morning. An English musical comedy star appeared at the concert in the third class theater."

Miss Roberts hurried on.

There was a garden lounge beneath the bridge, it seemed, decorated with a horticultural paneling and jardinières of fresh flowers; a children's playroom chock full of toys and with a nurse constantly in attendance; a bank ticket office, dispensary, shops, and radio, telephone and telegraph facilities.

What sort of people made the trip in third class on this maiden voyage of the newest Cunard White Star liner?

Persons from all walks of life and of many nationalities, Miss Roberts said. A party of English store assistants, visiting New York to study American methods; wealthy folk who had been unable to obtain higher priced accommodation for love or money; tourists who had chosen the trip for a cruising holiday.

She won her trip. The most excited passenger in the third class, Miss Roberts said, was

ESKIMOS CAN EAT WHITE MAN'S FOOD

New Investigation Upsets Many Theories
About Far Northern Peoples.

A number of current notions about the relation of civilization to diseases seem to be upset by recent studies of Canadian Eskimos in the eastern Arctic. The idea, for example, that primitive peoples cannot eat civilized man's foods without having their health damaged is not borne out by observations on these Eskimos.

The observations were made by Dr. I. M. Rabinowitch of Montreal during the Canadian Government Eastern Arctic patrol last summer. Dr. Rabinowitch examined Eskimos at various points around the Hudson Straits, Hudson Bay and Baffin Bay.

At Craig Harbour, the most northerly post in the eastern Arctic, Dr. Rabinowitch found two families of Eskimos who live most of the year in huts rather than their native tents and who eat appreciable quantities of white men's food, although being Eskimo, they like raw meat and eat large quantities of this also. All members of these families were very healthy. Dr. Rabinowitch reports to the current issue of the Canadian Medical Association Journal.

"Contact with civilized man is thus obviously compatible with good health," he states.

Miss L. Mairs, a blond, seventeen-year-old department store clerk who had won a trip on the Queen Mary with a 25-cent raffle ticket.

Only a week ago, Miss Mairs was serving at the food counter of a large store in Manchester. When she learned that her ticket had won, she was doubtful whether she could afford to make the trip even after her passage had been paid. There would be the cost of living in New York for several days. Her fellow workers solved the financial problem.

The most picturesque passenger in the third class, Miss Roberts thought, was Johannes Schneerberger, a young Austrian author, who came on board at Southampton wearing Tyrolean costume. His hat was trimmed not only with feathers but also with fresh carnations.

What Miss Roberts is trying to explain, in case you haven't caught the general drift of her remarks, is that the Queen Mary makes it possible to cross the Atlantic in less than five days amid surroundings comparable to the first class accommodations of a few years ago—for \$85.

EXCURSIONS ON C. N. R. AT END OF THIS MONTH

(Special to The Daily Mail)
MONTREAL, June 11—Peak of the summer season, Dominion Day, July 1, when all the world and his wife, not to mention the youngsters and those who are no longer youngsters, are thinking in terms of languorous summer vacations, is the opportunity for wide and generous time and fare concessions for the general public by the Canadian railways, according to announcement by C. P. Riddell, chairman, Canadian passenger association, here today.

Territory covered is between all stations Fort William, Ont., Armstrong, Ont., and east in Canada, also from stations in said territory to stations in Canadian West thereof. From all stations in Canadian territory to Detroit, Port Huron, and Sault Ste. Marie, Mich., Buffalo, Suspension Bridge, Port Covington, Helena, Bombay, Massena and Rouse's Point, N. Y., Norton Mills, Island Pond, Highgate Springs, and Newport, Vt., Lowelltown, Houlton, Port Fairfield and Vanceboro (from New Brunswick) Me., and intermediate stations in the U.S.A.

Holiday fares will be based on first class fare and one-third or coach class fare and one-third for the round trip. First class tickets will be valid in sleeping or parlor cars on payment of extra charge for accommodation furnished in such cars.

Tickets good going Tuesday, June 30 until 2 p.m., Standard Time, Wednesday, July 1, with return limit to leave destination not later than midnight, Standard Time, Thursday, July 2, and limited to continuous passage in both directions.

THE OLD GARDENER

Complaints are often heard about the slow growth of wisterias, and their tardiness in flowering. These plants are particularly slow in getting under way if planted in heavy clay soil. When such soils must be used, it is an excellent plan to open up a considerable excavation and to fill it to half its depth with good sifted loam with which an equal amount of sand has been incorporated. After the plants have been set in position, the same mixture of loam and sand may be used to fill the hole.

It is advisable, of course, to plant the wisteria in an open, sunny position and to give it an abundance of water. Under such conditions, it will make reasonably rapid growth and will flower in a few years if, as should always be the case, it is a grafted plant and not one grown from seeds.

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