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Sea's Mysteries To Be Solved

Electrical Properties of Sea and Air, Ocean Currents and Atmospheric Phenomena to Be Studied on Non-Magnetic Ship Carnegie

Washington — The non-magnetic ship, Carnegie, has left New York under tow for Washington, to complete preparation for a three-year voyage in the course of which natural scientists of the Carnegie Institution, which owns the vessel, hope to obtain much valuable data on the electrical properties of the sea and air, ocean surrents, conditions varying with the depth of the water, and atmospheric phenomena.

As planned, subject to authorization later, the tour would cover approximately 110,000 miles and take the vessel into each of the oceans and into all jaaitudes between 60 degrees north and 60 south. For motive power, the ship depends primarily on her sails, although she carries for emergency use a 100 horsepower gasoline engine.

An important object of the expedition is to be determination of whether the sea contains electrical currents similar to those passing through the land, and in turn, the effect of these on compass variation. Terrestrial magnetism and its influence on the compass also will be studied, together with atmospheric electric pressure and the radio activity of air and water.

Through cooperation of the Navy Department, a sonometer for determining the depths of the ocean has been installed With this and a winch electrically operated and capable of reaching a depth of 30,000 feet, the chemical composition and temperature of seawater at varying depths are to be studied. It is thought that data obtained in this way will have an important effect upon the study of ocean currents.

The vessel is termed "non-magnetic" because in her construction no magnetic materials, with the exception of the auxiliary engine, were used, assuring a minimum of error in making electrical observations.

The coming voyage, which under year, will be the Carnegie's seventh similar expedition.

Europe and America

Bernard Fay in the Paris Figaro: (Europe does not know how to treat the United States). She might be proud of them, the greatest contemporary creation of the white races, admire them, be fond of them, and let them know it. . . . Or she might hold herself utterly aloof. . . . But she does not seem to follow either of these methods to its proper end: she has, in a general way, no love for the American nation, and she lets them know it, but on every critical occasion she appeals to the Americans and asks them to act as mediators. No attitude could be more dangerous nor memory of the Greeks, who in their discords called in the Romans is no chimera, though conditions may be very different and the dangers of a totally different character.

"Sitting in a strong wind makes one drowsy," says a doctor. A sleeping draught.

ISSUE No. 44—'27

Canadian Capital in Fiji Islands

Natives are Happy But are Easy Prey to Tuberculosis

That Canadian capital will be behind a new meat-packing industry in the Fiji Islands is an opinion voiced by Capt. F. A. Williams, shipping agent, customs official and acting harbor commissioner in Suva, in the Fiji Islands, who with Mrs. Williams recently passed through Montreal on their way home after returning from a trip to Europe. This comes as a result of the success of a Canadian investment in conjunction with the British Government for the canning of pineapples on the scene of their growth.

"There is not the least semblance of disloyalty; the entire group of islands is whole-heartedly British although there are only 5,000 Englishmen in the Fiji Islands as compared with 84,000 Fijian natives and 73,000 natives of the East Indies," reclared Capt. Williams. He states that the islanders are the happiest people on earth and that progress is rapid there—perhaps too rapid for the well-being of the race as the law compelling natives to clothe themselves when they come to town is rapidly breeding among them a high percentage of tuberculosis. This disease, according to Capt. Williams, who has been a resident of the Fiji Islands for 55 years, threatens to destroy the race.

One regulation of the islands is that all enterprises must have a certain percentage of British capital. the port of Suva is an important centre. The harbor, though small, can accommodate five large liners and the port is also an important cable station. According to Capt. Williams, there is no private ownership of land on the islands but the community system of ownership is used. As yet there are no railways in the Fijis but there are over 300 taxicabs and privately owned cars. These cars are 80 per cent. British or Canadian manufacture.

Radio Helping to Create More Piano Players

It seems that "listening-in" is gradually developing a desire on the part of many young people to play. For instance, under the caption, "Radio Attracts Boys to Piano," a well-known newspaper recently ran (in part) the following news item:

"Radio is inducing the boys to learn piano playing. The art once considered the forte of girls and only men of foreign birth, is now, through the incentive of hearing music over the radio, the property of farm boys as well."

The writer of the newspaper item in question in confirming the above item then went on to give his personal experience with radio. He said:

"I notice that every time I tuned in I would hear a piano. If someone sang, the piano accompanied the voice. If I heard a violin or other instrumental solo, there was almost invariably a piano accompaniment.

"Ensembles and small orchestras nearly all have pianos. Every dance orchestra has one. Piano solos come out of the air with great frequency, often rendered by some noted artist. I began to realize the enormous usage to which the piano was put. Inquiry disclosed the interesting fact that nearly all music is first composed on the piano and then transposed for other instruments or for orchestras.

"The conviction was driven home that the piano is assuredly the most serviceable of all musical instruments. And it was the radio that first brought to my attention the various uses of the piano. It led me to find out something about the place piano has in music, and what I learned was truly surprising. Vast numbers of people are hearing piano music every evening the year round. I believe the radio is a strongly ally of the piano, and that serious consideration should be given to its possibilities."

Facts of Interest

The national debt of Canada decreased by $70,189,814 in the first half of the current fiscal year, that is from April 1st to September 30, 1927.

There are 12,270 post offices in Canada, 284,000 miles of telegraph lines and over 1,000,000 telephones with a three million wire mileage.

Higher education in Canada is carried on in 23 universities and 32 colleges with a total student registration of over 60,000.

Minard's Liniment for Asthma.

Triumphs of M. Jonquelle

by MELVILLE DAVISSON POST

THE TRIANGULAR HYPOTHESIS.

BEGIN HERE TODAY

"Let us assume that there are three ways in which Dernburg Pasha might have been killed," said M. Jonquelle, greatest of French detectives, to the Turkish Envoy who was demanding reparations for the murder in Paris of his fellow citizen.

Dernburg had been found dead in the library of his house. His throat was slashed and a trail of blood on the white squares of the checkered marble floor apparently indicated the escape of the assassin.

"I might have killed him," said M. Jonquelle. "You might have killed him. He might have been killed by a man no longer living."

The last theory startled the Envoy.

GO ON WITH THE STORY.

CHAPTER III.

"It is a conceivable theory," remarked Monsieur Jonquelle, "that Dernburg Pasha was struck down by a hand that we can no longer consider to be living."

"But if you please, we will take up these theories in their order. Did I murder Dernburg Pasha? It is an interesting hypothesis, and I should be glad to consider it at some length. But it seems to require no extended deductions to conclude it. We have shown that the mysterious visitor who called on Dernburg last night was not his assassin, because the evidences which seem so to indicate were laid down by design and did not some about by accident. They were laid down by the intention of some person, some person who wished to establish that this visitor was the assassin. But the visitor himself could not have wished to establish that he was the assassin; consequently he could not have made these indicatory evidences, and therefore he was not the assassin of Dernburg Pasha."

He paused.

"And now, monsieur, as I was the visitor who called on Dernburg Pasha last night, it must be clear that I was not the assassin that struck him down. These conclusions may seem to interlock with a slight obscurity. But if you reflect upon them, monsieur, you will observe that they are sound and convincing."

There was a moment's silence. The Oriental did not speak, and the Prefect of Police continued:

"Now, monsieur, we approach the second hypothesis: did you murder Dernburg Pasha?

"Here, monsieur, one finds himself confronted with certain difficulties. You took charge of this house the moment it was ascertained that the man was dead."

The Envoy interrupted:

"I did, monsieur. As a representative of the Turkish Government, it was my duty to take charge at once of the property of one of its murdered citizens. I came at once and took charge of it."

"That is true, monsieur," continued the Prefect of Police. "You came as you had the right to do, and you took over this house as it was your duty to do. And from this base we may go forward with the hypothesis in its first inquiry—namely, did I create these false evidences on the floor of this drawing room, or did you, or did the agency not now living undertake it?"

"Now, monsieur, let us consider these suggestions in a reverse order. If Dernburg Pasha was struck down by a hand not moving alive in the world after he died on the floor of the library yonder, then such a hand could not have gone forward with the manufacture of these false evidences of his assassination, and we may dismiss it. I cannot have manufactured them, monsieur, because it is not conceivable that one undertaking the assassination would construct evidence of his crime to convict himself. Therefore, monsieur, by elimination, we seem to arrive at the conclusion that it was you who manufactured them."

The Envoy's face seemed to form itself into a sort of plastic mask.

"Now," Jonquelle went on, "if you manufactured them, monsieur, it was with a deliberate obect. That object would be to fasten the crime upon another. But one does not undertake to fasten a crime upon another without an adequate reason in himself. Now, what reason, monsieur, could you have had for wishing to establish that I, who called upon Dernburg late last night, had accomplished his murder and fled, carefully dropping splotches of blood on the white squares of the floor of this drawing room, and escaping over a wall covered with a coating of dust which I did not remove? What could have been your object in undertaking to establish these facts, if you were yourself guiltless of his death?"

The man's reply was quite simple and without emotion.

"Why, monsieur, should I wish to assassinate Dernburg Pasha?"

"Did you not wish to take over this house?" replied the Prefect of Police. "And if you took it over, you would take it over with what it contains. Let me show you, monsieur, the treasure that it contains!"

He stooped over, slipped the point of a knife-blade under one of the large white marble squares in the drawing room floor and lifted it up.

These squares had been laid down on wooden sills, nailed together, and floored over underneath. Each square had, therefore, a sort of wooden pocket beneath it. This wooden pocket under the white square that Monsieur Jonquelle removed, was filled with gold pieces.

The Oriental, bending over, made a profound exclamation of surprise. He remained immovable in an overwhelming wonder. That the man was amazed at something of which, up to that moment, he had not had the slightest conception, was clearly evident.

Monsieur Jonquelle permitted the marble square to go back into its place, and he returned to his chair. The Oriental sat down beyond him, speechless in his amazement. The Prefect of Police continued to speak as though the man's concern were not a thing which he had observed.

"And so you see, monsieur, we have here the motive, the opportunity, and the construction of these false evidences, to indicate that you were the assassin of Dernburg Pasha. And again I beg you to observe how fatal it is to proceed with indicatory evidences when one wishes to establish a theory. It is fortunate, monsieur,

Monsieur Jonquelle permitted the marble square to go back into its place.

that it is I who considered these evidences against you, for it is I who know that Dernburg Pasha was dead when you arrived in this house."

He paused.

"And from the wound in his throat, I knew at once what had it was that inflicted it—a hand not now living!"

"The hand of the dead man!" echoed the Oriental. "You mean the hand of a dead man?"

"I mean the hand of the dead Dernburg Pasha," replied the Prefect.

"The wound began heavily on the left side and tailed off to the right. That is the slash of a suicide. Death-wounds, inflicted by one intent on taking his own life, are always inflicted on the left side, because they are undertaken with the right hand, and if they are done with a knife, they begin with a heavy incision that tails out as the knife is drawn to the right—as the strength of the person undertaking to inflict the wound fails. Suicidal wounds, when inflicted with a sharp instrument, have always these evidential signs. They cannot be mistaken."

Monsieur Jonquelle arose.

"Let me clear this mystery," he said. "Dernburg Pasha was one of the most accomplished counterfeiters in the world."

He opened his hand.

"This device, which looks like an alabaster box, is a mold made of plaster for the purpose of counter-feiting one of the largest gold coins of the French currency. Dernburg came here, took this house, carried forward his undertaking until he had stored the squares under this drawing-room with false coins. Then when he had finished—when he had got the coins molded, gold-plated and hidden, ready for the business of their distribution, I called on him last night! It was my voice that was heard outside. I showed him that he was at the end of his tether—that the house was guarded; and I came away leaving open to him the only escape he had. He affected that scape with a razor drawn across his throat."

Monsieur Jonquelle paused, his voice rm, even and unhurried.

"You appeared, monsieur, a little late, and seeing an opportunity to obtain an indemnity from France for a murdered subject to your country, put the razor into your pocket and clumsily daubed the white squares of this drawing-room floor with the evidential signs of an assassination."

(The End.)

A Monetary Puzzle

Mysterious coins have put in an appearance in Albania, according to reports from Budapest. The coins are ostensibly of the same value as the French Napoleon and bear the picture of Skander Bey on one side. the Lion of Venice on the other. It is not known who minted or distributed them.

Minard's Liniment for Toothache.

Fashion

AN ATTRACTIVE NEW FROCK

This charming frock is shown in View A fashioned of lace and satin, and in View B of figured material. The skirt and bodice are gathered to a belt, and there is a soft bow arranged at the top of the front panel. Bands of ribbon form an effective trimming on the bodice and long gathered sleeves, and is also used for the binding on the V neck and top of the vestee. No. 1649 is in sizes 34, 36, 38, 40 and 42 inches bust. View A, size 36, requires 2⅛ yards 39-inch lace, and 1⅝ yards 39-inch material. View B, size 36, requires 2⅝ yards 39-inch, or 3 yards 54-inch material; 5½ yards 2-inch ribbon. Price 20 cents the pattern.

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The Intellectual Cynic

New York Herald-Tribune: It has become the minimal business of sophistication to turn up the seamy side of nobility, to discredit not merely the mythical great of the past but any symptoms of nobility in the present. A smile greets any flight of eloquence or inspiration and the term "noble" has become almost a term of abuse. In the "intellectual best society" these days one believes in Truth, Goodness and Beauty at one's peril. Much of the current mockery of life has been attributed to the post-war disillusion, and one may suppose that that is as good an explanation as any. But there are symptoms that even the so-called "sophisticated" public is growing weary of listening to the snickering little enemies of the spirit.

Gabby Gertie

"A stepper occasionally beats time and breaks a record."

Rural Progress.

"Have you made any improvements around the farm?" he was asked.

"Yes, sir," answered Farmer Hawbuck. "We've rechristened the old barn . We call it a garage now and make the summer boarders pay rent for it."—Boston Transcript.

Who'd 'a Thought It?

Q.—2. Who was the father of John the Baptist?

A. (on another page)—2. Miss Rebecca M. Church of Toronto.—Toronto Daily Star.

CORNS

Quickly lift out painful corns, tender toes and pressure of tight shoes.

Dr Scholl's Zino-pads

Increasing Value of Canada's Fur Crop

A Timely Monograph Published by Director Natural Resources Service, Ottawa

There are thousands of trappers in Canada and all of them are engaged at one time or another during the winter season in taking the pelts of wild fur-bearers. There is hardly a farm, village or a town in Canada that has not got its trapper or fur trader. Millions of dollars are distributed each year among these persons as a result of the disposal of Canada's annual raw fur catch. Last year it had a value of $15,072,244. A very considerable increase in the yearly value would be made possible were proper methods of pelt handling more widely known.

Too many trappers think that once they have taken a skin nothing else remains to be done. Amateur and farmer trappers which form more than half of the trapping fraternity are the chief losers through this lack of knowledge in the handling of raw pelts, as poorly prepared pelts bring much lower prices than those which have been properly preared. Leading fur authorities have stressed the fact that in many cases u to one-half of the pelts coming to the raw fur markets fall into the unprofitable class and that every year there is a tremendous loss in pelt values that could be prevented. The loss, however, is not confined to the careless trappers, but effects the whole fur industry and lowers the value of both the raw and finished product.

With a view to improving this condition and making possible a wider knowledge of the essentials necessary to the proper skinning, stretching and drying of raw pelts, a monograph entitled "The Preparation of Pelts for the Market" has been prepared by the Department of the Interior. This monograph will be sent free of charge on request to the Director, Natural Resources Intelligence Service, Department of the Interior, Ottawa, Canada.

Scottish Pipers Play as in old Days

In the midst of a rapidly changing world that tends to let slip through its busy fingers so much that was dear to the past, the ancient pibroch reigns on serenely in Scitland. Each year rival players of the bagpipe meet for earnest feats of competition and one of the most famous of these conclaves is known as the Skye Gathering.

It is held on the lovely Isle of Skye, where the atmosphere conspires to the complete enjoyment alike of those who participate and those whose occupation is listening and looking on. A kindly little green hill has been converted into an amphitheatre, set off to the southward by the dark Cuillin range.

Although many of these Scottish pipe and dancing fests are still held, it is said that the motor coach and the tripper have served to introduce in most of them a note of modernity that tends to steal away more than a little of the old-time charm. Skye, however, is too remote to have been spoiled; and there, as waning Summer merges into Fall, pipe music, Highland dancing and sports may be enjoyed in full and sweet simplicity.

The judges of piping are described as having had a strenuous day at Skye. "They sat in their little box for six hours, listening attentively to one competition after another." But the rival pipers did not command entire attention. There was also the dancing. And where, if not at Skye, could one hope to see Highland dancing at its best?

Well, that's another way of looking at it, remarked the telescope gazer at the moon.

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