

SOUND MEASURED BY CAMERA

Prof. Webster's Remarkable Instrument and What It Will Do.

INCREASING SUM OF HUMAN KNOWLEDGE

Converts Sound Waves into Curves of Light and Measures Them Excessively. There is No Such Thing as Silence.

Prof. A. G. Webster of Clark University has just perfected a scientific instrument which is held to add considerably to existing knowledge of the phenomenon of sound.

Curiously enough light is the agency that has been called in to increase our knowledge of sound. It is by means of photography that Prof. Webster measures all sorts of notes.

Through a pin hole shutter of dark room, introduced into the panel of light any opaque body as a knife blade for example and observe the shadow which it casts on a white screen, we shall see that the edges of the shadow are fringed with colored light.



SOUND APPARATUS AND SOME OF THE RECORDS IT MAKES

thing as silence in the ordinary acceptance of the term. What men call silence includes all noises below the limit at which the human ear will register sound.

The mechanism by which Prof. Webster's machine records sound ready for measurement is comparatively simple. It consists of a set of movable mirrors and prisms which act in conjunction with a diaphragm.

During the past two months the printers granted the new charters in this country and three for Canadian union. Philadelphia has inaugurated a five-day week in all machine offices.

The Baldwin Locomotive works of Philadelphia are running day and night. Besides the work being done by this concern for American railroads, it has orders for over 100 locomotives from Russia and China.

Some really startling results were shown on the screen. The vibrations produced by a tuning fork were shown in the form of very regular waves across the screen.

LABOR AND INDUSTRY

OUR COTTON CROP AMOUNTS TO 11,159,944 BALES

Seeded raisins are becoming an important item among the fruit industries of California.

The gases generated at the asphaltum refining works in Ventura, Cal., are now being saved and properly treated, to produce sulphuric acid.

Judge Valliant of St. Louis has declared that it is a punishable one and no force or intimidation is used.

The Esty Hosiery company, Laconia, N. H., will be ready to start in the fall. It will manufacture new styles of hosiery and will use woolen and merino yarns.

Work has commenced on a new cotton yarn mill at Cherryville, N. C. Only about 1,000 spindles will be put in at first.

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BULLHEAD LUCK AT POKER

A Convincing Game at a Stop-Over Joint on the Edge of the Desert.

EXPERTS EATEN UP BY AN AMATEUR

Hands Held by a Foreign Pilgrim Who Was Considered a Pudding, but Proved the Luckiest of Poker Players.

"What I am here to assert and to maintain is that there is such a thing as drunken luck in poker just as there is such a thing as drunken luck in falling safely down stairs, or in not being run over by a brewery wagon, or in a whole lot of other things that I could mention."

"I suppose I ought to thank you for my cards, though I believe now that this class I hold in my hand contains mutton broil, if one of you fellows 'ud tell me that it did. But that's precisely what happened on this occasion that I'm going to tell you about."

"As some of you may remember, I took a string of horses out to the San Francisco track a couple of years ago, and I don't know how many crimps might be taken in the roll if I got to twiddling with the bank layouts along the road, and I didn't feel like smoking a pipe and dining off ginger-snaps and milk after I got back to this end of it."

"The receipt of the grips kind of livened up and one of my friends began to dilate upon the general jayness of going to bed at such an hour in the day, and suggested a little game of draw. 'We'll play a little game of draw,' said the other, 'let's see how much we can win.'"

"I'd no mind getting a few dollars of that stuff of mine back, protested one of my friends to the young Britisher, 'but, all the same, I want to give yourself a run for your money. Don't do such a thing as that—holding up a deuce when a man's opened it and is only going to draw two cards—or for one will have to lay out of the game. Give yourself a show.'"

"Dish 'em," said the Englishman. "No offense to you—but stay in my hand, and I'm playing it. Four cards."

"Well, he got his four cards, and the betting began. My friend on my left had opened the pot. He bet \$20. His partner next to him raised him \$20. Then we all looked at the young Englishman curiously to see what he was going to do."

"See the raise," said he. "Hundred more."

"We all threw our cards down a little impatiently."

"My boy," said I to the English lad, "you're playing cards with square people and we haven't the slightest disposition in the world to do you out of a sou, big winner as you are. Hang on to your winnings if you can. Don't bluff yourself out of what luck has brought you."

"You heard what I said, didn't you?" stammered the boy. "Hundred more."

"Well," said I, "you've determined to lick yourself, here goes. I've got you beat—I can beat any man that draws four cards to a deuce, or I'll go out of business. I'll raise you a hundred."

"Then there was a general call, in which the English boy joined, saying, 'You'd all three probably quit playing, thinking I'm a parrot, if I raised her again. So I call.'"

"He roared in the pot with his four deuces."

He had caught three more on the draw. That was the finish of those table stakes and we went down below to eat. The Englishman absorbed such a huge quantity of wine—the real kind, too, and lead, at Mojave, which struck us wonderful—at the meal that he was out for fair and we put him to bed and carefully stowed away the money he had won from us, together with what he had of his own. The three of us were still prowling around about midnight, when the young chap of an Englishman came down stairs from his bedroom. He was perfectly sober, if a little shaky. He wanted to get at his grip in order to find a brush and comb. He produced the valise that held all of his winnings and he took it upstairs. After a few minutes he came down again, brushed up and trim looking. But there was a puzzled look on his face.

"I saw you fellows," said he, addressing the three of us, "weren't you in some sort of a game of chance this afternoon?"

SOUND RECORDS

TUNING-FORK, DRAUGHT OF AIR, A VOCAL NOTE, SIBILANT (SOUND BELOW THE RANGE OF THE HUMAN EAR).

THE OMAHA DAILY BEE

THE BEE PUBLISHING CO., Proprietor.

Town..... Date.....

I hereby agree to take The Omaha Daily Bee for three months from date, through..... and pay for same at regular rates, in consideration of the privilege of joining the Omaha Bee Exposition Excursion, September 21, 1908.

How to Obtain Tickets.

Whether you are a subscriber now or not fill out the blank above. If you take or wish to take the paper through an agent, fill in his name in the place marked X, otherwise insert the word "mail."

Or, for \$2.00 we will send you a coupon ticket as above and WEEKLY BEE for one year'

To our Out-of-town patrons How to save a lot of money

As we have had a host of requests from Bee subscribers, who cannot take advantage of our excursion, Sept. 21 and 22, because this time the excursion includes the B. & M. R. R. only, and they live in towns not on the B. & M., we have yielded to the demand and made A Special Exposition Offer September 21 and 22

We have issued a coupon ticket which will admit the holder to the exposition grounds; to the following shows on the Midway:

- 1-Hagenback's Trained Wild Animals, 2-The Chinese Village and Chinese Theatre, 3-Past on the Midway, 4-The Streets of Cairo and Theatre, 5-The Flying Lady, 6-The Bombardment of Manila, 7-The German Village, 8-The Semic Railway and Battle of Manila, 9-Shooting the Chutes, 10-The Palace of Mysteries.

and will also obtain a special discount on hotel rates at the Dellone, Arcade or Saratoga hotels.

All for \$1.35

THE OMAHA DAILY BEE. THE BEE PUBLISHING CO., Proprietor. Rates: With Sunday - \$2 for 3 mos. Without Sunday - \$1 per mo. From all agents, 15c per week.

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SALUTE IN HONOR OF THE SAMOAN KING

It was permissible to apply sporting terms to royalty it would be in order to describe his late Samoan Majesty Maelua Laupapa as gun shy. He had been through so many wars and rebellions and had played the target so long that he looked as deadly as all artillery, great guns and small, and the reek of powder did not arouse in him the fever of fighting. In fact, he was decidedly lacking in martial spirit, relates the New York Sun, and found difficulty in screwing his courage up to the point of even taking a salute without winking.

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Scientist's Find Nothing New. SEATTLE, Sept. 21.—As far as new discoveries went the expedition sent out by the University of Pennsylvania to study northern Alaska from a scientific standpoint has been a failure. The three men of the party, in charge of E. A. Mchay, returned to Seattle on the Excelsior. Nearly 13,000 specimens, weighing nearly a ton, were gathered and placed in the collection brought back. The specimens were gathered east and south of Point Barrow and represent a considerable expenditure, but it is said the scientists send little that was new.

Financial Panic in San Domingo. NEW YORK, Sept. 21.—A dispatch to the Herald from Porto Plata, San Domingo, says: "The commercial panic caused by the regular financial system of the government has caused serious trouble in the northwest section of the country. Public peace has been disturbed in the province of San Juan de los Rios, and farmers are troops in their determination not to risk anything further to uphold the credit of the government. They refuse to sell their goods for bank notes. Exchange is now at \$3 in notes for \$1 in gold. The boundary dispute with Haiti has been settled."

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