

MAY SEND MOVING PICTURES BY WIRE

This, It Is Claimed, Will Soon Be Possible—Can Watch Ball Game by Telegraph.

To sit in a theatre in Chicago or Boston and watch a world's series baseball game on a screen just as it is being played at that very moment on the grounds at New York, or sit in New York on the noon of March 4 and watch the inauguration while it is actually in progress—that is the moving picture show of the future.

Just now the talking moving pictures are proving as far an advance in marvel over the still pictures as the still pictures were in advance over the stereopticon, but the goal beyond the talking pictures is the television pictures, or pictures from a distance.

It is coming. How many years, is a question, but it will not be many inaugurations. Already it can be done with a tiny picture, the size of a thumb nail, and if proper emphasis is given to the difficulties of enormous expense and crude results, it would be safe to say that the inauguration of President Wilson could be seen in this way in New York.

Hundreds of scientists all over the world are working on the problem of the television, though perhaps none of them has thought much about the use. Hundreds of patents have been taken out on details, and working models for tiny pictures are being built by scores.

To only a slight degree is the problem related to the idea of sending photographs by telegraph wires, though in some particulars the two ideas overlap, and the successful Korm apparatus for sending photographs, which has created so much interest in the last year, offers suggestions for help in the much harder and more promising field of distance moving pictures.

Simple principles that can be easily understood are used in the television work; it is only the complication of the apparatus which is difficult or obscure.

Look at any reproduction of a photograph in a newspaper—a "half-tone"—and you will see that it is made up of a quantity of tiny dots, some faint and some comparatively thick and black. To reduce a photograph, the engraver cuts the original picture all up into these little dots, by means of special apparatus for re-photographing the picture. In television, the camera which takes the picture of President Wilson as he takes the oath would cut the picture up into the same light and dark dots. Now if a message could be sent back to New York telling the comparative blackness of each of these dots, and each dot could be reproduced on a screen there with its proper shade of black, there would be on the screen a crude half-tone picture of the scene. That's what television does now.

The simplest way to send the messages of the dots is to use silicium, the metal which allows more or less electricity to pass through it, according to whether little or much light is thrown on it. Where each dot falls, in the receiving camera, is a bit of silicium, connected by wires to New York, and as the dot is dark or light, so the amount of current sent to New York from that dot is controlled. Then at New York this current controls a tiny light, which, by means of a tiny mirror, throws onto a screen the right shade of light to represent that particular dot. Every dot has the same kind of apparatus. But the dots are so small that millions of wires would be needed to send the picture. Assuming, however, that such an apparatus could be built on a large scale for it has been on a small scale, all that would be necessary to have the distance moving picture would be to keep the current flowing, and the tiny dots would vary just as the picture in the receiving camera varied, and it

would be a distance moving picture in New York.

The quantity of wires is the stumbling block, but two schemes have been used to get over this. One is to have only a few sets of wires which would one after the other, hundreds in a fraction of a second, send the report as each dot's blackness to New York, and then go back and send a new report on each dot, all in 15 times a second. That has been done on a small scale.

Prof. Rosing, of the St. Petersburg, Technological Institute, has worked out the best scheme so far. He uses an apparatus which takes the report of each dot separately and sends it to the other end over one pair of wires. At the receiving end that dot is flashed onto the screen in the proper place. By a very complicated machine every dot is picked up, sent over the one pair of wires, and flashed on the screen at the other end, 15 times a second.

Scores of other ways of sending the dots are being tried out, and the only question about distance moving pictures is not "can it be done soon?" but "how soon will it be done?"

Willamette Notes.

Ralph Moores has been elected to manage the annual Oregon-Willamette law school debate. Nothing definite has been settled on as yet, but it is planned to hold the debate in April. The track work has now started in earnest, and a goodly number are working out each evening. Among the old men are: Stearns and Marsh, mile; McInturf, sprints and low hurdles; Blackwell, sprinter, jumps and low hurdles; Francis, sprints and weights; Jory, distances; Rowlands, distances; Mills, hurdles and jumps; Pfaff, weights; Smith, jumps and pole vault; Doan, pole vault and jumps. It is probable that Mills will not be out. His absence will leave a big gap in the jumps and hurdles.

Brazier Small, an old Salem high star, is the only track man of note that has yet been discovered among the new men. However, many of the new students have asserted their intention of trying out, and it is quite possible that new talent may be discovered.

A head janitor was recently added to the staff in charge of the university buildings. He will be general caretaker of the grounds and the buildings. He has some 18 men under him.

Manager Paget announces that the Oregon-Willamette football game has been definitely agreed upon for Oct. 18. A later date was desired but could not be obtained. This game will open the season of the best contests that the local fans have ever witnessed.

The manager of the Wallulah is busy running the different organizations to the photographers. The latest group he has resurrected contains all the sons and daughters of ministers that are attending the university.

Rumors regarding the fact that the law school will probably be discontinued in 1914 are now current, following the statement to that effect made by Dean McNary at the recent banquet held by the law students.

The mock legislature finally adjourned. Its last important action was the passage of a resolution taking the editor of the Collegian to task for an editorial upholding the faculty in regard to the walk-out on inauguration day.

Glenn MacCaddam and Paul Smith have been selected as the debating team that will go to Idaho, while Chas. Ohling and Seth Axley will defend the institution at home.

The interest in baseball is steadily increasing. A large squad is out each evening, and an excellent team is assured.

Next Friday evening the state oratorical contest occurs at Newberg, Eric Felt, who will represent Willamette, has his "thunder" all in "AI" order. His subject will be "The Validity of Nations."

Arrangements have been made with Whitfield & Co., of Portland, to audit the university's books for the past two years and prepare a general system of reports, and all devices necessary to a perfect bookkeeping system. This will put the business end of the

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The Y. W. C. A. held their regular meeting last evening, installing the new cabinet for the last semester. The new cabinet consists of Lola Belle Cook-Bellinger, president, and the following heads of the different departments of the association work: Devotional, Lottie Penn; extension, Mildred Bartholomew; membership, Kate Harton; rest room, Eleanor Ruby; Bible study, Ruth Owens; mission study, Elma Emmel; publicity, Mary Cone; finance, Helen Westell.

James Datro, a prominent preparatory student, is preparing to leave school and accept a position with the O. W. R. & N., at Pocatello, Idaho.

Plans are already under way for this year's May day program.

THE ROUND-UP

The Coos Bay fish hatchery at Marshfield is to have new buildings.

Philomath has organized a company and will establish a \$50000 creamery at that point.

Eugene had a banquet Tuesday night at which everything served was a Lane county product.

Due to its fine climate Roseburg may be the training ground of the Regina, Canada, baseball team.

Albany is to have a baseball team with A. G. Senders, who managed the team last year, in charge of it.

The Oregon Electric officials have assured Eugene that the road will build a fine new depot there in the very near future.

A horse jumped overboard from one of the Coos river boats Wednesday, but was gotten back with the aid of a sling and block and tackle.

Some Roseburg cider makers have been fined for selling cider containing more than 7 per cent alcohol. This will cause a boom in dry territory for Roseburg cider.

On account of improved market conditions, many sawmills in all sections of the state that were closed down during the winter, are resuming operations.

Because the laws governing fishing in the Umpqua are so obscure that they are capable of several interpretations, the sentences of three men convicted of violating them were on motion of the prosecuting attorney at Roseburg, suspended Wednesday during good behavior.

Lane, Jackson and Douglas counties have formed the Southern Oregon fair circuit. The first fair on the Southern Oregon circuit will be held at Medford on September 16, 11, 12 and 13, followed by Roseburg's fair on September 17, 18, 19 and 20. Lane county's fair will be held at Eugene September 24, 25, 26 and 27. From Eugene most of the stock and exhibits will be shipped to Salem for the state fair, which will be held the following week.

CONGRESS FORGOT TO SUPPLY THE FUNDS

(UNITED PRESS LEASED WIRE.)
Washington, March 7.—That congress completely forgot to supply funds to run the new department of labor was discovered today by Secretary William B. Wilson. The temporary quarters of the department here are in a little room containing a desk and a few chairs in the headquarters of the department of commerce.

A stenographer, borrowed from another department, peated on the office

door a slip of paper bearing the words "Department of Labor."

The special session of congress probably will vote funds for the new department immediately.

Tough on the Mule.

(UNITED PRESS LEASED WIRE.)

Washington, March 7.—With her mule "Sufrage" supplying the locomotive power, Miss Margaret Geist is planning a trip from here to California. She will depart March 15. Miss Geist recently drove "Sufrage" at the head of the suffragette's band which marched here from New York.

Many a Suffering Woman.

Drags herself painfully through her daily tasks suffering from backache, headache, nervousness, and loss of sleep, not knowing her ills are due to kidney and bladder troubles. Foley Kidney Pills will help any form of kidney or bladder trouble, any backache, rheumatism, uric acid poisoning or irregular kidney action. They are strengthening, tonic and curative, and contain no habit forming drugs. No one who suffers from kidney and bladder trouble can afford to overlook Foley Kidney Pills. Dr. Stone Drug Store.

Children are much more likely to

contract the contagious diseases when they have colds. Whooping cough, diphtheria, scarlet fever and consumption are diseases that are often contracted when the child has a cold. That is why all medical authorities say beware of colds. For the quick cure of colds you will find nothing better than Chamberlain's Cough Remedy. It can always be depended upon and is pleasant and safe to take. For sale by all dealers.

A Message to Railroad Men.

E. S. Bacon, 11 Bath St., Bath, Me., sends out this warning to railroaders everywhere. "My work as conductor caused a chronic inflammation of the kidneys and I was miserable and all played out. I was weak and had dizzy spells, and a friend recommended Foley Kidney Pills. From the day I began taking them, I commenced to regain my strength. The inflammation is gone and I feel better now than I have in twenty years." Try them. Dr. Stone Drug Store.

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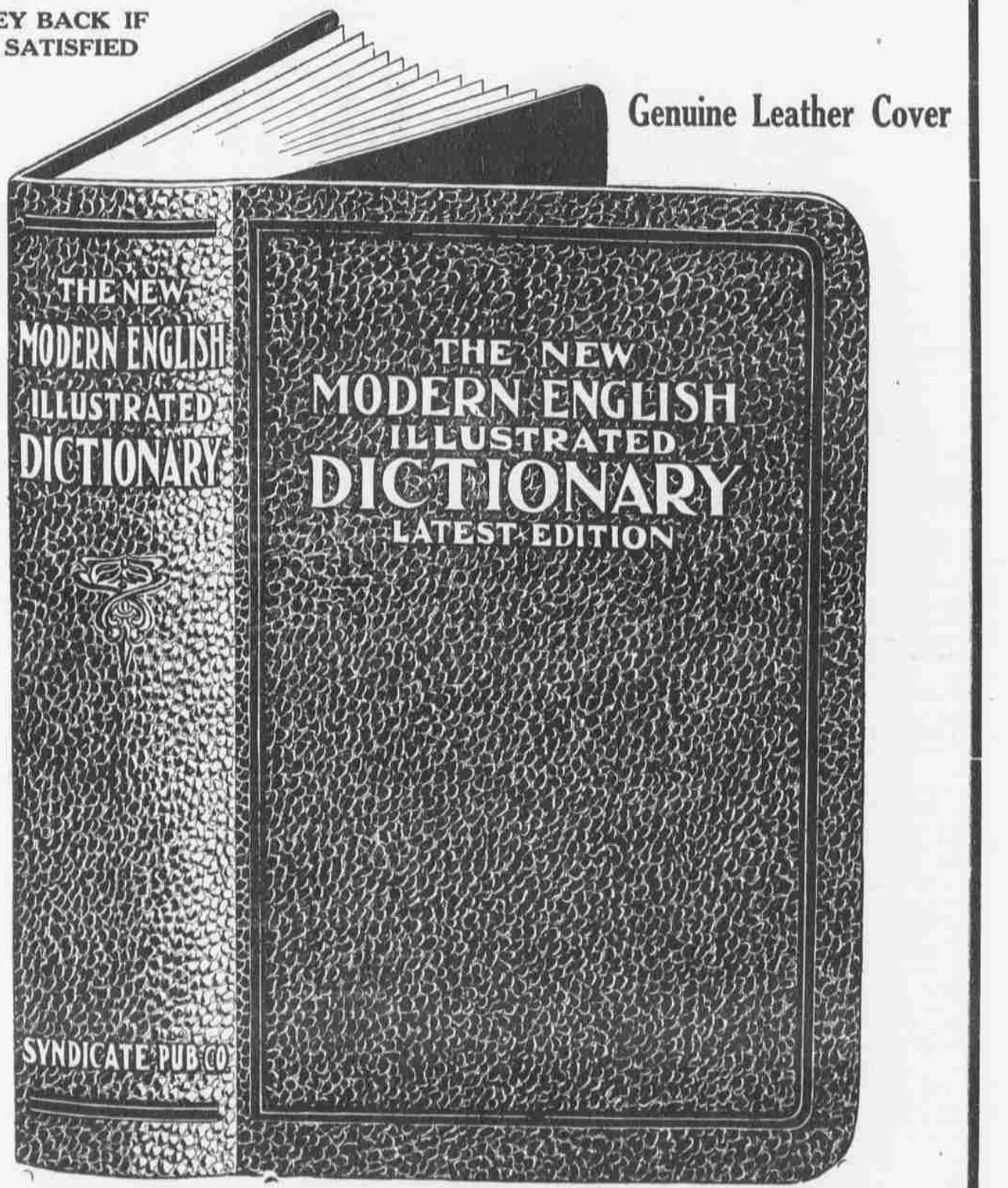
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the poisons from the blood, and drive it out of the system.

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