

## Laboratories' Motion Picture Camera Can Take 4000 Photographs a Second



At the Bell Telephone Laboratories in New York City is a high-speed motion picture camera which can take pictures at the rate of 4,000 exposures a second—240,000 a minute. It is used in the study of moving parts in telephone apparatus and equipment, since the film, when developed, can be projected slowly to reveal the details of motion which take place too swiftly to be comprehended by the human eye. In the photograph above, William Herriot of the Laboratories staff is preparing to "shoot" with the high-speed camera the motion of the armature of a re-

## Inefficiency Expert

By ELIZABETH G. GRAY  
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WFO Service

### "WORKING, BUT"

"Just taking a little needed rest between jumps, Al."

"Like to sandwich in a little impersonation for a few weeks?" A discerning eye could see that the jumps had long since over-reached their mark, for the pitiable signs of forced dieting were tracing needless, premature lines between Bill's handsome, dark eyes. Bill wasn't complaining. His chances were even at college and he had chosen the theater instead of business. He had already proven his ability, but the shows were not going too strong just now, and the managers were afraid to take a chance. Too much competition. Movies, you know.

Bill smiled. "Break it easy, Al. Murder or robbery?" "Bill, I've always thought you missed your vocation. As an efficiency expert you'd make a fine actor. Here is your chance to try. Remember Uncle Eb? He came to visit me once at college, and you entertained him for me because I was . . . I forgot the trouble. Well, as a sort of post mortem joke, he left me the pulp mills as my share of his fortune."

"The thing is this: Since I have been long-distance boss of said mills they have barely been paying expenses. They produced thousands of dollars for Uncle Eb, under the same regime."

"Dawn is cracking, Al. My new role is that of the little Dutch boy who discovered the hole in the dyke and put in his thumb to stop the leak."

"Bill, my relief is like sudden vision to a blind man. All you have to do is to pretend you are me, call someone's bluff, and collect a hundred thousand as long as you want the job? O. K."

Out of the first hundred (in advance), Bill adopted an orphan sport model. He chugged into town Saturday with the prospect of a long, lonely Sunday ahead of him. Then he saw HER. She was so beautiful that she left Bill breathless for a moment. He approached her hurriedly, holding out a small, newly wrapped parcel and in his most perfect, irresistible, matinee-idol voice he said, "I beg your pardon, but is this yours?"

Very seriously she took the package. "If it isn't yours, perhaps it is mine. Thank you."

She was leaving him. "May I give you a lift somewhere?" "Thank you, Napoleon, but your carriage awaits without me." She stepped into a shining new white roadster and, without so much as a backward glance, was out of sight.

For a week Bill put all his time into the mills, trying to discover why such a busy place was not producing results. Everyone liked him. He liked everyone but the manager. Therefore he appointed the part of villain to him and watched him. This led to the discovery that very often the white roadster was waiting outside to drive his villain away on an afternoon. And from the rumble seat two golf bags nestled closely together and nodded wisely to each other.

The day Bill decided that he was taking money from his friend under false pretenses he saw the car drive away from the mills with a single passenger. Racing to his own coughing steed, he cried joyfully: "Do your stuff, T. B. This is just to say good-bye."

The car immediately stopped sputtering and gave chase to the sleek white beauty ahead. About four miles outside of town he saw the car parked by the roadside. Just ahead he saw another car wrapped around a telegraph pole. She was on her knees before the battered form of the manager of the mills.

"Got a flask?" she wanted to know. "No, you wouldn't! Well, go find a doctor. No, wait. See what you can do for him. I'll go." Instantly she was out of sight.

"I'm in love," sighed Bill, gazing after the departing car.

The form on the ground moved and spoke. "Josephine!"

"That's fine, you're doing fine," he told the man, while his heart sang. Her name was Josephine and she had loved him Napoleon. Suppose I've called him first sight with her, too? The injured man was speaking again. "Josephine, I stole the money from the mills because I wanted enough to marry you. We must go away quietly now, because I think he suspects. Where are you, dear?"

"I am here, dear. Where is all the money now?" asked Bill, softly. "In the bank in New York. Safe—safe. We must hurry."

Bill sent a telegram to Al later that day, which read: "Got my finger in the hole in the dyke, and all's O. K. Can't leave just yet. There is a woman in the case."

The answer came immediately: "Fine. All ends as I expected. Sis says if you don't propose soon she is going to. Better keep that manager's job at the likes living in the country. Good luck—Al."

## COW HAIRCUTS GAIN APPROVAL FOR WINTER

At least that is the recommendation of E. C. Scheidehelm, extension dairyman at Michigan State College. He advises dairymen to clip hindquarters and udders of cows to keep the animals cleaner and to make it less difficult to wash the udder before milking.

In looking over reports for December production from the 25,000 dairy cows on test in 77 associations in Michigan, Scheidehelm finds that the average cow took lessons in hanking and showed up with a 6 per cent increase in milk production in December. But this was not unusual, for that was the trend in herds throughout the nation.

The average cow apparently is trying to pay her bill this winter. For the Michigan average of the 25,000 cows for December was a production of 26.67 pounds of butterfat.

Fifty hundred and ninety-three animals were removed from dairy herds on test, but 132 of these were sold for dairy purposes, thus retaining a place in some producing herd.

Cow prices have been comparatively steady, although the general milk price level is somewhat below a year ago. Scheidehelm attributes this demand for good dairy animals to the disease elimination programs now in progress.

In the southwest corner of the State the dairymen still hold the lead in one recommended practice. This is in weighing the amount of milk each cow gives at each milking. In southwestern Michigan counties, farmers following this practice are 43.3 per cent of the dairymen in testing associations.

## BREER 'POSSUM COMES NORTH; UNWELCOMED

Opussums are becoming considerably more numerous in Michigan than they were formerly, but nobody seems very happy about it. The "possum" is not held in as high esteem in these parts as it is in the south where it is regarded as a table delicacy. In Michigan, it is considered mostly a nuisance, due partly to its own stupidity and partly to the fact it probably is blamed for some things it does not do.

The opussum is one of those unfortunate who usually gets caught in the act, and there's a good reason. It is so lacking in either fear or sense that it even has the habit of lying down and taking a nap on the very spot where it has committed larceny. If, for instance, it steals a farmer's chicken coop, it does not, like the crafty weasel or mink, make a quick and strategic retreat. It may lie down and go to sleep amid the shells of the eggs it has just eaten and if not

disturbed by the irate farmer take up its abode in the coop.

Nevertheless, from observations made by game investigators and from complaints received by the department of conservation, the opussum, once unknown in Michigan, is increasing. The number taken by trappers, the severe winter of 1935, decreased to one half that taken the previous year, but have been on the up cycle since then. It breeds rapidly, being capable of several litters a year, and it is omnivorous, eating virtually everything from snakes to berries. Many persons believe "possums kill rabbits and skunks in their holes but game investigations reveal no serious inroads on these species by "possums."

## WEST POINT PARK

Miss Jeanne Addis visited the Redford High School Monday with Miss Dorothy Altman, one of the students.

Wayne Dwyer of Farmington was the guest Saturday evening of Miss Jeanne Addis.

Mrs. Marvin Addis, Mrs. Harold McVicar, son Harold, and Miss Jeanne Addis were guests Friday afternoon of Mrs. Joseph Freer of Detroit.

Mr. and Mrs. Melvin Murphy of Cass City were callers Monday morning of Mr. and Mrs. William H. Zwickel.

Regular meeting of the P.T.A. will be held next Thursday evening Feb. 9, at 8. The card party given by the P.T.A. last Thursday afternoon in the old school house, was a great success.

Mr. and Mrs. Haas and family of Detroit, were guests Saturday of Mr. and Mrs. Thomas Clarke. Mr. Howard Middlewood gave a linen and personal shower last Friday evening at her home in honor of Miss Virginia Adams of Farmington. About 25 were present. After the card games, a dainty luncheon was served.

James Eastman was surprised Saturday evening when the members of the "Scotch Eight Five Hundred Club," walked in on him. Five hundred was played and a lunch was served.

Mrs. Albert Owen visited her father, John Rowe in Detroit, Tuesday. He is very ill.

## KING CAROL ACCEPTS

New York.—King Carol of Rumania has accepted President Roosevelt that at the New York World's Fair of 1939 Rumania's arts and industries will be fully represented. This message was conveyed in the King's acceptance of the President's invitation for Rumanian participation in the exposition. Grover Whalen, President of the Fair, commenting upon this, said that the friendship between the United States and Rumania, said: "We see in the New York Fair an opportunity to solidify our relations and we hope to be able to clasp the hand of King Carol in 1939."

## SERVE SOMETHING SIMPLE



THE most time-consuming committee meeting, an everyday sewing group or just the accidental dropping in of a few neighbors can be turned into a real occasion by just the serving of a few simple refreshments!

If you are looking for an unusual beverage to serve at a friendly gathering, Spiced Grape Juice is a happy thought, and is well suited to winter tastes.

### SPICED GRAPE JUICE

(Serves 10-12)

10 cups  
10 allspice berries  
1 stick of cinnamon

2 quarts sweetened grape juice

Add spices to grape juice and heat over a low flame for about 10 minutes. Remove from fire and strain. Cool slightly; then pour over ice cubes. For this pungent, spicy beverage you'll need plenty of taste-free, crystal-clear ice cubes, and it takes only a few minutes' time to make all you want from the cake of ice in your modern air-conditioned ice refrigerator. Just fill the easy-to-use ice cube

with warm water, place it on the cake of ice in the refrigerator, and in 35 minutes you'll have sparkling, hard-frozen cubes.

Serve Queen O' Hearts Sandwiches with the Spiced Grape Juice to make your party a real "occasion." Spread thin slices of white or brown bread with soft butter and cream cheese mixed with just enough currant jelly to tint the sandwich filling a delicate pink. (Softening the jelly over hot water before using, combine with the cheese and whip thoroughly to remove lumps and make the filling smooth and fluffy.) Cut the sandwiches with a heart-shaped cookie cutter, arrange on a serving plate covered with a napery dolly, and store in your modern air-conditioned ice refrigerator until time for serving.

## OFFER BIG MONEY SAVING

# Values

## A & P FOOD STORES

Our Own TEA	Iona CORN	Red Circle COFFEE
1/2 lb pkg 21c 1 lb pkg 37c	4 No. 2 cans 25c	1 lb 19c Rich & Full Bodied

SAUERKRAUT, A & P, 4 No. 2 1/2 cans . . . . .	25c
GREEN GIANT PEAS, 1g can . . . . .	15c
GRAPEFRUIT, 2 No. 2 cans . . . . .	25c
CLOROX, Small 13c, Qt. . . . .	25c
BISQUICK, 1g pkg . . . . .	29c
PANCAKE FLOUR, Chief Pontiac, 5 lb bag, 49c	
SUPER SUDS, Red Fox, 2 lg pkgs . . . . .	35c
CRYSTAL WHITE SOAP, 1g, 6 bars . . . . .	23c
PALMOLIVE SOAP, 3 cakes . . . . .	17c
SOAP CHIPS, 5 lb box . . . . .	27c
FLOUR, Iona, 2 1/2 lb bag . . . . .	55c
WHITEHOUSE MILK, 4 tall cans . . . . .	25c
MELLO WHEAT, 1g pkg . . . . .	17c
MATCHES, A & P Kitchen, 6 boxes . . . . .	23c
COCOA, Iona, 2 lb can . . . . .	17c
HEINZ BABY FOOD, 3 cans . . . . .	25c
SALADA TEA, Blue Label Black, 1/2 lb . . . . .	39c
VERMONT MAID SYRUP, 12 oz bot. . . . .	21c
TOMATO JUICE, Iona, 3 No. 2 cans . . . . .	25c
SCRATCH FEED, 100 lb bag . . . . .	\$1.50

Michigan Navy BEANS	Sultana PEANUT BUTTER	WHEATIES
10 lbs 29c Help the Farmer	2 lb jar 23c	2 pkgs 21c Korn Kix 2 pkgs 23c

## WE REDEEM WELFARE ORDERS

## A & P FOOD STORES

SPIRE 700 FEET HIGH  
New York.—The Trylon, a three-sided spire 700 feet in height at its needlelike tip, which, with the Perisphere, a 200-foot globe, forms the dominant, impressive architectural group of the New York World's Fair of 1939, is the first triangular tower ever to be constructed, according to the extensive research of its designers. It rises to the height of a 59-story building.

LOW FEE  
In most license states, the law is not a revenue measure, and the fee is set only high enough to cover the cost of administration.

Be noble! and the nobleness that lies in other men, sleeping but never dead, will rise in majesty to meet them own.

—J. R. Lowell.

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<input type="checkbox"/> National Live Stock Product . . . . .	1 Mo.
<input type="checkbox"/> Household Magazine . . . . .	1 Mo.

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