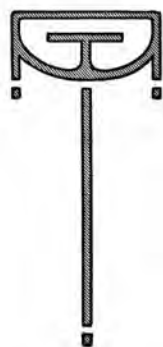


KODAK PARK BULLETIN



FEBRUARY, 1916

KODAK PARK BULLETIN



EASTMAN KODAK COMPANY,
KODAK PARK WORKS,
ROCHESTER, N.Y.



KODAK, LIMITED, KINGSWAY, LONDON, ENGLAND



Kodak, Limited

Our European Headquarters

KODAK is not local, nor even national, in scope, it is a truly international institution. If celestial transportation facilities were better there is no doubt that the traveler on Mars could stop at any corner store to get his roll of film, just as the globe trotter of this world can buy a Kodak or our film nearly anywhere that the sun shines.

The American business centers in Rochester, where as we all know, the company's general offices and five of the factories are located, these being the Premo, Hawk-Eye, Folmer-Century, Camera Works and Kodak Park. The business of the Canadian Kodak Company centers in Toronto, where Kodak Heights, a beautiful new plant is rapidly approaching completion, while the European Headquarters for Kodak is in Kingsway, London.

The big six story, fireproof building shown in the frontispiece is the outgrowth of a very humble be-

ginning made about thirty years ago. By gradual steps the company has outgrown quarters in Soho Square and in Clerkinwell Road. A few years ago when the third move became necessary the Kingsway building, was built and occupied. About sixty-six thousand feet of floor space is provided in this building, which is one of the largest and finest structures on this busy thoroughfare.

In England, in addition to the headquarters in Kingsway, Kodak operates a very extensive factory at Wealdstone near Harrow in Middlesex. As the British Journal of photography said at the time of the erection of the London building "the large amount of capital which Kodak, Limited has invested, not only in this new building, but also in their extensive factory at Harrow, Middlesex, is a substantial sign of the confidence which they have in the future of the photographic trade."

Noon Classes for Girls

To make use of that half hour at noon, which is so often of little value to many of the girls who either do not need or care for exercise, classes in needle work have been organized. Elizabeth Long of the Film Pack is instructor in crocheting, Lillian Miller of the Box Department is teaching tatting while Amelia Vetz and Carol Regg are conducting an embroidery class. Girls who desire to learn any of these arts are urged to communicate with Mrs. Thompson.



Chemical Plant Bowling Party

On Saturday evening, January 29th, the "Old Guard" of the Chemical Plant held their annual Bowling Party at the "Premier" Hotel where bowling and a "Dutch" supper were the main events of the evening.

Paul Lange and George Tozier demonstrated the urgent need of some system of preparedness, by the very low scores they obtained.

After a most enjoyable evening, with everyone more than glad they had come, Messrs. Marshall, Combs and Cook prompted no doubt by a spirit of economy walked home, it being only a little matter of five or six short miles, while Frank Hauser, who has been suffering with a couple of broken ribs, the result of a recent fall, insisted on going home all alone.

Everyone present regrets that a year is such a long time to wait for such a good time to come again.

R. A. W.

Looking Us Over

Year by year Kodak Park is becoming more and more a Mecca for tourists. Of course we are not getting into the class with Niagara Falls, but as a real live magnet for attracting visitors we are coming into notice. In his annual report for 1915, Mr. Strutt states that he and his assistants have led over three thousand persons through the mazes of our factory. This is an increase of six hundred over 1914.

The list shows that people of forty-four states, of all of our territories, and of twenty-two foreign countries visited Kodak Park.

Among the more recent noteworthy groups of sightseers were the women principals of the public schools of Rochester, a party of employees from the H. J. Heinz Company of Pittsburgh, the "Home of the 57 Varieties," and the delegates to the convention of the New York State Dyers and Cleaners Association. The last group was addressed by Dr. Mees and Dr. Clarke on the subject of dyes and color. Julio Nin y Silva, one of our dealers, came all the way from Uruguay to see where "movie food" is made.



As Montague Glass Says:

"If people was just as much ashamed, Mauruss, of having nothing on their brains as they are about having nothing on their bodies, they'd be acting a whole lot more decent, y'understand."



Recognition and Reward

for

Suggestions Adopted and Put in Force

From November 1, 1915, to January 1, 1916.

Please notice that the new suggestion rules for the year 1916 do not affect the suggestions which appear in the following list, as the rules apply to suggestions put into operation after January 1, 1916.

Improvement In Product

Awards of \$20.00

M. J. CULHANE

15182 Better equipment in the Black Paper Coating Department to reduce waste and improve product.

A. L. TENNY

13104 Improvement on film pack cases, Film Pack Department, Building No. 12.

Awards of \$10.00

D. GEO. ALLEN

19678 Method of avoiding mistakes in weighing, Building No. 35, tending towards improved product.

C. W. MARRISON
SAMUEL COHEN

6535 Improvement in Negative Albums, Folding Department, resulting in improved product.

Reduction in Costs

Award of \$100.00

J. Q. COLLIN

18680 Certain changes on machinery in Building No. 35, effecting greater economy in operation.

Award of \$50.00

R. W. COOK

24201 Improved manufacturing method in Chemical Plant resulting in considerable saving.

**Award of \$25.00**

W. M. FITZPATRICK

- 18685 Change in equipment, Building No. 35, resulting in more economical operation.

Award of \$15.00

CLARENCE SCHUTT

HERBERT ROSS

- 7334 Improvement on machinery, Building No. 34, resulting in increased output.

Award of \$10.00

W. AGNESS

- 24225 More convenient and economical method of conducting operations, Bldg. No. 8.

Awards of \$5.00

E. G. SHORES

- 23256 Improved accounting for truck service.

CHAS. E. SADDEN

- 20501 Measuring device for use in steel shed.

P. J. DURDEN

- 21649 Attachment for use on coating machines, Building No. 3.

A. WHITMAN CRITTENDEN

- 11295 Improved system for handling Yard Department transfer orders.

A. A. TAYLOR

- 19688 Installation enabling equipment to be handled more economically, Bldg. No. 35.

ROBERT HALL

- 19280 Installation resulting in cutting down waste, Building No. 21.

A. C. CAMPBELL

- 24540 Method of effecting saving in Building No. 20.

Award of \$4.00

IRWIN STEWART

- 24100 Improvement on scrap film cans, Building No. 12, resulting in saving.

Award of \$2.00

ROSCOE WOODEN

- 21063 Device in Black Paper Department resulting in slight saving.

Improvement in Manufacturing Methods**Awards of \$10.00**

L. SMART

JOSEPH R. LOWRY

- 20988 Improvement on machinery, Carbon Paper Department.

H. J. EPPINGER

- 19670 } More systematic method of
19677 } recording transference of material, Building No. 35.

Award of \$6.00

W. H. CHURCH

- 21327 }
21330 } Various improvements in
24227 } Building No. 17½ and Yard.
21329 }
22978 }

Awards of \$5.00

F. C. DRURY

- 22972 Better method of handling operations, Building No. 18.

L. P. CHAMBERLAIN

- 20023 Improvement in lighting, Steel Shed.

R. W. LOCKWOOD

- 21467 Efficient and safer method of operating lathe, Machine Shop.

JOHN A. HOOKER

- 23628 Device for use on slitting machines, Building No. 12.

FRANK J. LANG

- 18673 Method of doing away with excessive friction on machinery, Building 35.

ALFRED DURRANS

- 19674 } Installation of equipment
19675 } preventing injury to product, Building No. 35.

JOSEPH H. KERR

- 24971 } Changes in equipment,
24973 } Building No. 43.
24974 }

Awards of \$4.00

TILLIE STRAUB

- 19435 Better manufacturing operation in Building No. 2.

SAMUEL J. STARKS

- 21123 } Improvements in laundry
21124 } operations.

H. COMBS

- 24690 } Suggestions resulting in
24691 } neater appearance and additional safety, Buildings Nos. 13, 20 and 21.

FRED DIMMICK

- 21406 } Improvement between Build-
21628 } ings Nos. 31 and 34, and in Building No. 35.

ARTHUR J. CURTIS

- 24291 } Improvements in equipment
24310 } resulting in saving, Machine Shop.

W. ELLIOTT

- 20141 } Improvement in manu-
20142 } facturing equipment, Building No. 12.

EDWIN F. JAMES

- 24598 Device for use on slitting machines, Building No. 12.

JOHN H. DEAN

- 25186 } Additional equipment for
25188 } use in Building No. 15.

Awards of \$3.00

ARTHUR C. BIRCH

- 13944 Additional equipment for Building No. 36.

A. E. RICHARDSON

- 13946 Change in operating equipment, Building No. 36.

JOSEPH G. McARTHUR

- 8491 Device for use in Black Paper Department, resulting in saving of time.

WM. H. QUICK

- 20836 Device for use in Building No. 29, which results in increased efficiency.

A. L. ARMSTRONG

- 20504 Change in manufacturing methods, Chemical Plant.

EDWARD J. KAISER

- 24410 Better and surer method of operating Carbon Paper Department.

WILLIAM MERSON

- 21498 } Improvements in Lumber
21502 } Storage Shed.

GEO. W. FARMER

- 24418 Change in machinery, spooling room, Building No. 12.

SEWARD E. LAY

- 23984 Slight alteration in Building No. 2 to prevent injury to stock.

B. H. TOWNSEND

- 24446 } Changes in equipment,
24674 } Department No. 50.

ROBERT NEWELL

- 21438 Equipment in Building No. 15, resulting in economy and convenience.

JAMES T. SAVAGE

- 22696 } Additional equipment,
22707 } Buildings Nos. 15 and 34.

RAY F. GUARD

- 25187 Installation of equipment, resulting in improved appearance, Building No. 15.

JOHN F. KOFKEE

- 18662 Modification of equipment, Building No. 35.

Awards of \$2.00

SUSAN LA DINE

20993 } Certain changes on machinery, Carbon Paper Department.

L. SMART

20997 } Alterations in equipment,
22045 } Carbon Paper Department.

E. BATTERSBY

21389 } Changes resulting in additional convenience and
21390 } safety, Chemical Plant.

E. G. NORTZ

15112 Improvement on chip cans, Black Paper Department.

G. L. GREGORY

14416 Improved manufacturing method, Paper Box Dept.

L. L. MACMULLEN

20055 More accurate method of conducting operations, Power Department.

JAMES M. TRAYHERN

21588 Easier method of distributing distilled water for batteries.

O. E. FALK

22013 } More economical method of
24154 } handling operations, Carpenter Shop.

WALTER G. POPE

8494 Slight alteration in machine, Building No. 29.

J. J. MOYNIHAN

24215 } Change in operations and
24217 } additional equipment, Chemical Plant.

Reduction in Accident or Fire Hazard

Award of \$4.00

EDW. F. GOODRIDGE

21909 Plan to lessen confusion in going to and from work, Building No. 12.

Awards of \$3.00

MATTHEW SCANLON

24387 } Additional safety devices for
24614 } use in basement of Building No. 29.

JACOB J. SCHNETZER

22066 } Improvement on film and
23195 } paper cans, also safety device on machine, Building No. 12.

Awards of \$2.00

KATHERINE WALDRON

20157 Improved fire protection, Building No. 16.

LEWIS M. VAN DERBECK

10341 Better protection for railroad crossings.

CHESTER W. ENGLISH

25250 Improved protection for railroad crossings.

HOMER J. NELSON

21106 Safety signal for use in Building No. 29.

JULIUS WISEMAN

18705 } Suggestions resulting in additional
18724 } safety, Chemical Plant.

J. HUTTER

21392 Safer method of handling operations, Building No. 46.

JAS. F. YOUNG

19485 Safer equipment, Machine Shop.

M. A. PIKE

25499 Reduction in fire hazard in manufacturing departments.

E. S. BURKHOLDER

22071 Identification for shutoff valve, Building No. 12.

ERNEST W. DOE

22330 Additional lighting resulting in increased safety, Department No. 50.

EARNST MAURER

19682 Improvement on elevator gates, Building No. 35.



JOHN L. SWARTHOUT

18714 Minor changes in wooden trucks, Building No. 35, resulting in increased safety.

KARL INGRAM

21886 Installation, Building No. 21, resulting in additional safety and neatness.

EDWARD H. RIGNEY

8493 Guard for use in Black Paper Department.

Awards of \$1.00

E. C. SLAUSON

Suggestion Number 23168.

JAMES WARD

Suggestion Number 20026.

GEORGE MAID

Suggestion Number 21473.

WILLIAM G. McMASTER

Suggestion Number 5048.

JOHN KELLER

Suggestion Number 23816.

HARRY SCHWUCHO

Suggestion Number 24084.

SAMUEL KAUFMAN

Suggestion Number 21245.

J. C. WISHART

Suggestion Number 21421.

JOHN G. CARMICHAEL

Suggestion Number 22244.

GEO. COOPER

Suggestion Number 22357.

E. F. PIKE

Suggestion Number 25004.

R. THOMAS

Suggestion Number 21187.

Conveniences**Award of \$3.00**

W. J. FOLEY

17376 More convenient way of conducting operations in Chemical Plant.

Awards of \$2.00

MARY MACMULLEN

21081 } Additional conveniences in
21083 } Buildings Nos. 2 and 28.

ELIZARETH LONG

11945 Additional equipment, Film Pack Department, Building No. 12.

RUTH McDERMOTT

20158 } Additional conveniences for
20159 } use in Building No. 16.

WALTER W. BECK

14823 } Improvements in stock room,
22954 } Building No. 5.

FRANK HALL

20663 Improvement in Sewer System, Building No. 44.

WILFRID CUSICK

20978 Suggestion resulting in improved operations, Carbon Paper Department.

J. H. KIRCHGESSNER

20238 More convenient method of identifying stock, Building No. 5.

PAUL L. DOWE

23155 Protection for curb cocks.

FRANK A. STELMACK

23301 Additional equipment, Building No. 46.

A. L. MACFARLAND

22256 Improved suggestion blank.

FRED G. PACKARD

22864 Additional kitchen equipment, Building No. 28.

FRANK A. HEIER

12992 Improved apparatus, Outside Pasting Department, Building No. 12.

- W. F. MANHOLD
25256 Improvement in book trucks,
Building No. 26.
- GEO. BALLARD
22896 Protection for windows, Cine
Shipping Room, Building
No. 12.
- CECIL BLOOMFIELD
23171 Additional storage equip-
ment, Building No. 12.
- WALTER W. JENKINSON
23368 New form for use in Cine
Department, Building No. 12.
- H. A. STRICKLAND
24435 Method of identifying film
spools, Building No. 12.
- T. J. McMASTERS
24443 Additional equipment for use
in Department No. 50.
- JOHN DEAN
W. E. DIVER
25002 Method for preventing injury
to floor.
- FRANK E. GERSON
22048 Additional convenience
Building No. 35.
- JAMES LARKIN
6321 Additional convenience for
use in Building No. 21.
- P. M. SMITH
10156 Slight change in machine,
Building No. 21.
- S. G. REYNOLDS
15421 Extension to sewer system,
Building No. 21.
- JOHN W. GOODFELLOW
19103 } Slight improvement, Build-
19150 } ing No. 21.
- D. G. ROUP
21396 Equipment in Building No.
19, resulting in additional
convenience.
- Awards of \$1.00**
- BESSIE M. ATKIN
Suggestion Number 21895
- FRANCES REX
Suggestion Number 17825
- CATHERINE WEIGEL
Suggestion Number 21229
- MATILDA SMITH
Suggestion Number 23963
- FLORENCE KERMIS
Suggestion Number 17818
- LILLIAN KREBS
Suggestion Number 22059
- MURIEL SWETMAN
Suggestion Number 24437
- WILLIAM O'NEILL
Suggestion Number 8735
- MATTHIAS WELCH
Suggestion Number 8495
- R. C. DREW
Suggestion Number 15117
- J. H. DRISCOLL
Suggestion Number 21091
- WILEY G. BARROWS
Suggestion Number 21716
- ARCHIBALD M. HODGE
Suggestion Number 21736
- C. KELLY
Suggestion Number 25299
- CARL N. HOLT
Suggestion Number 22695
- WM. JONES
Suggestion Number 22847
- JOHN L. HOUD
Suggestion Number 18827
- E. J. WASHBURN
Suggestion Number 19317
- LAWRENCE W. HARMON
Suggestion Number 24833
- WALTER R. VREELAND
Suggestion Number 23106
- WM. C. SIMPSON
Suggestion Number 15028
- CECIL J. FREARSON
Suggestion Number 14094
- CONRAD GANZ
Suggestion Number 23388
- JOHN W. AURAND
Suggestion Number 21420
- RALPH SANFORD
Suggestion Number 22359
- FREDERICK FARR
Suggestion Number 24671
- JAMES BENSON
Suggestion Number 21382
- GEO. H. PHILLIPS
Suggestion Number 22258
- ALBERT REYNOLDS
Suggestion Number 23038
- THOS. NORTON
Suggestion Number 25012
- MICHAEL LAFORCE
Suggestion Number 19189
- CARLTON W. WALLACE
Suggestion Number 21342
- GEO. CLARK
Suggestion Number 24506
- FRANK J. MAYNARD
Suggestion Number 24515



E. H. ASHMORE

Suggestion Number 24534

FRANK H. WALCH

Suggestion Number 16209

F. W. BOPP

Suggestion Number 22786

BERT F. WABY

Suggestion Number 22632

**Additional Awards****\$12.00**

HARRY J. ROSS

6322 Improvement in construction in Building No. 31.

\$2.00

EDWARD J. BACH

25190 Improvement in equipment, Black Paper Department, Building No. 12.

The list of awards for November and December, 1915, covers 182 suggestions, the total amount awarded being \$596.00.

The total number of awards for the year 1915 was 915, the amount awarded being \$2,458.50, exclusive of annual awards which will appear in the April BULLETIN.

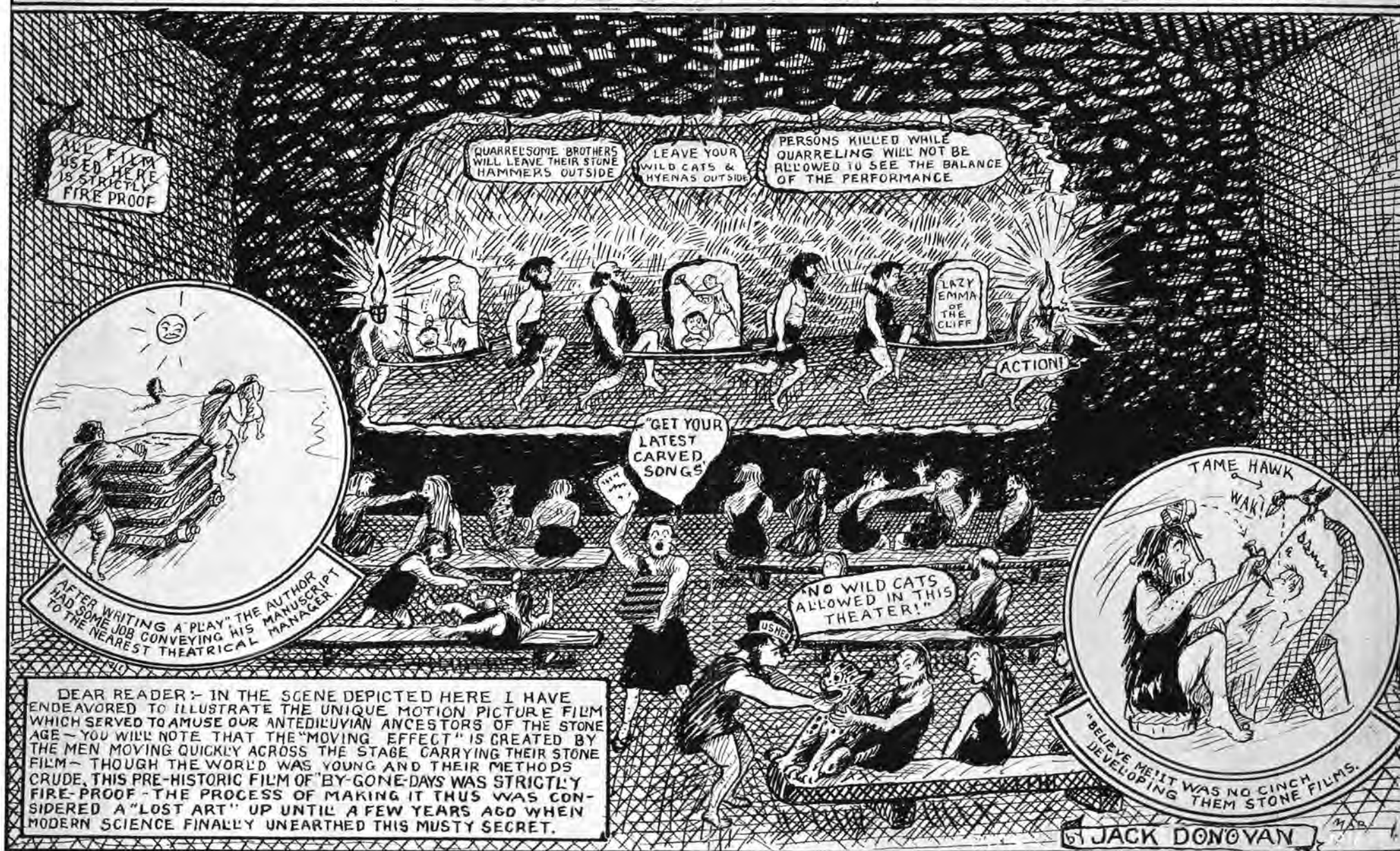
The Suggestion Complaint Committee will meet in Fire Headquarters on Tuesday, February 29th, at 2:00 P. M., to hear any complaints concerning the operation of the Suggestion System.

Department Suggestion Records

The "Suggestion Average" for the year 1915, for comparison with the records for 1913 and 1914 is obtained by dividing the number of suggestions from any department, adopted and put into operation, by the number of employees and multiplying the result by 1000. That is, the Suggestion Average represents the number of suggestions per 1000 employees per year in all three columns.

1913		1914		1915	
STANDING	SUGGESTION AVERAGE	STANDING	SUGGESTION AVERAGE	STANDING	SUGGESTION AVERAGE
1 D. O. P. Coating	733	1 D. O. P. Coating	500	1 Building No. 15	1263
2 Powder & Solution	723	2 Job Print	442	2 Powder & Solution	530
3 Job Print	394	3 Yard	395	3 Research Laboratory	500
4 Engineering & Maintenance	321	4 Laboratories	356	4 Chemical Plant	483
5 Film Emulsion	283	5 Powder & Solution	322	5 D. O. P. Coating	464
6 Chemical Plant	269	6 Chemical Plant	301	6 Industrial Laboratory	408
7 Roll Coating	253	7 Dope	288	7 Engineering & Maintenance	373
8 Platino	235	8 Engineering & Maintenance	279	8 D. O. P. Packing	301
9 Plate Emulsion	223	9 Envelope & Carton	245	9 Envelope & Carton	274
10 Box	192	10 Emulsion Coating	243	10 Platino	250
11 Yard	190	11 Plate Emulsion	222	11 Roll Coating	224
12 Envelope & Carton	189	12 Testing	217	12 Testing	191
13 Testing	143	13 Roll Coating	202	13 Emulsion Coating	190
14 Film Spooling & Packing	125	14 Film Emulsion	139	14 Yard	179
15 Black Paper	134	15 Building No. 15	138	15 Office	148
16 Office	133	16 Black Paper	125	16 Film Emulsion	120
17 Dope	111	17 D. O. P. Packing	121	17 Plate	111
18 Plate	109	18 Film Spooling & Packing	90	18 Film Spooling & Packing	88
19 Laboratories	101	19 Office	77	19 Plate Emulsion	56
20 Emulsion Coating	71	20 Folding	71	20 Baryta	48
21 D. O. P. Packing	62	21 Box	65	21 Folding	41
22 Folding	51	22 Plate	60	22 Box	20
23 Building No. 15	36	23 Baryta	48		
24 Baryta	22	24 Platino	0		

THE MOTION PICTURE DRAMA OF OUR ANCESTORS.





H. E. AKERLY, EDITOR

CORRESPONDENTS

J. FITZPATRICK,	E. G. SHORES,
A. MANN,	R. A. WEBER,
H. E. ROBINSON,	F. WILLIS.

PUBLICATION COMMITTEE

M. H. EISENHART
L. BURROWS, H. H. TOZIER.

February, 1916

Telephone Politeness. There is no question about it, telephone manners are improving,—ask any girl on the board. But save your applause, there's lots of room yet for improvement. When you take off the receiver, the man still lives who blurts into your ear, "Who is this?" and who displays, when you tell him, equal courtesy in growling, "I didn't want you." That fellow is with us and with him the clever boy who rattles the receiver hook, and the bright one who kids the operator.

"I can tell a man's character by the way he calls me on the telephone," said a big man the other day. It would well pay those of us who use the 'phone incorrectly to remember that the correct way to answer the telephone is to say pleasantly, "Film Department" or, "Mr. Brown speaking." And in calling, if the one who an-

swers merely says the usual meaningless "hello," don't break his ear drum returning the hailing signal; ask him, "Is this the Coating Department?" or "May I speak with Mr. Smith?" Every little bit of courtesy helps to make the use of the telephone pleasanter for all.



The Man at the Door The man at the door who has to decide who shall enter the hall and who shall not, has more cusses and condemnation heaped on his head than any other person connected with social or athletic events.

At our recent smokers it has been noticed that membership cards have been transferred to outsiders. When they get to the door, invariably they are spotted and then someone hears a dialogue like this:—"Where do you work?" "At the Park" "Where is your card?" "You have it." "I guess not, this card belongs to Jim Jones and you are not Jim Jones. Step aside please and let the other people pass. What, give you back your card? Nothing doing, I'll keep this one." So it goes all evening. If K. P. A. A. members realized that the smokers and fun were for themselves only, there would be no trouble. By doing this, it will make life more pleasant, not only for the man at the door but for all those who have anything to do with our amusements.

F. H. G.

Motion Pictures in the Stone Age.

The cartoon by Jack Donovan of the Chemical Plant, "The Motion Picture Drama of our Ancestors" is so excellent a piece of original humor that it deserves a special word of appreciation.



Kodak Park Night

The second Kodak Park Night of the year, January 20th, provided an evening of undiluted pleasure for the sixteen hundred K. P. A. A. members who filled the Assembly Hall. Not only did the band and chorus exceed previous records but the speaker of the evening, Mr. C. D. Williamson, brought the Grand Canyon and the western Indians a few thousand miles eastward. The interest shown in Mr. Williamson's pictures and clever travelogue was marked.

A Range Finder for Kodaks

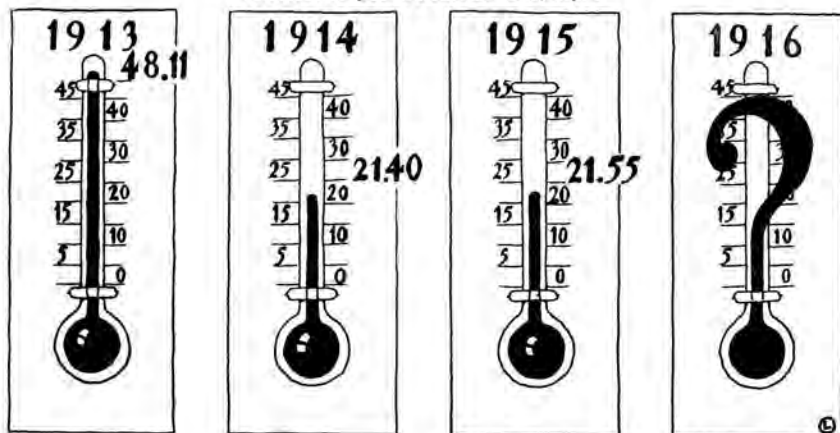
The gunner on a battleship has a range finder so that guess work is eliminated in making his shots. Why, then, shouldn't a Kodak have a range finder so that Mr. and Mrs. Average Man, who have difficulty in estimating distances and are without the helpful assistance of a clairvoyant, can set their Kodak for the proper focus with accuracy and speed.

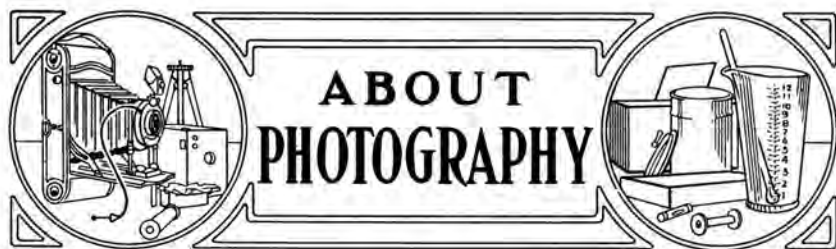
The new 3A Autographic Special with its range finder now gives the Kodaker a chance to "find his range" before pressing the button without any uncertainty through having to guess the distance. With an Anastigmat lens this feature is very valuable at short distances.

This model of the Kodak is the latest word in cameras, equipped as it is with every approved device. The price with this newest refinement is only advanced \$3.00.

Safety Record—Watch the Mercury

Accidents per Thousand Employees





The Development of An Invisible Image Into a Negative

By Dr. C. E. K. Mees

THE early processes of photography required very great exposures so that when having a portrait taken the unfortunate subject had to sit for as long as ten minutes in the full sun without moving in order to sufficiently impress the plate. Although many experiments were made in the attempt to find substances more sensitive to light so that the exposure could be reduced, the only real solution was to find some method by which the light had to do only a little of the work and the production of the image itself could be effected by chemical action instead of by the action of the light.

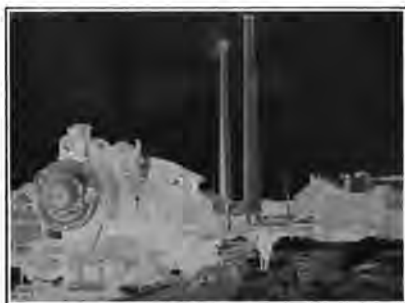
The first great step in this direction was taken by Fox Talbot in 1841. He found that if he prepared a sheet of paper with silver iodide and exposed it in the camera he got only a very faint image, but if after exposure he washed over the paper with a solution containing silver nitrate and gallic acid, which is a solution from which metallic silver

is very easily deposited, then this solution deposited the silver where the light had acted and built up the faint image into a strong picture. This building up of a faint image or, indeed, of an image which is altogether invisible, into a picture is what is now called "development." If you expose a film in the Kodak and then, after the shutter has allowed the light to act for a fraction of a second on the film, look at the film in red light, which will not hurt it, you will not be able to see any change at all in the film. But if you put the film into a developing solution, the invisible image which was produced by light, and which in the photographic books is called "the latent image," will be developed into a black negative representing the scene that was photographed.

Fox Talbot was not only the first to develop a faint or invisible image; he was also the first man to make a negative and use it for printing. What is meant by a negative is this:

If you look at your film after you have exposed and developed it, you will find that the sky, which was bright in the picture, is shown in your film as very black, while any shadows in the picture, which, of course, were dark, will be transparent in the film, so that the light let through the film is in the reverse order of the scene photographed, all the bright parts in the scene being dark in the film and the dark parts bright. For this reason the film is called a "negative" and when it is printed on paper the same reversal happens again and the clear parts in the negative become dark in the print while the dark parts of the negative protect the paper from the action of the light so that the print, which we may call a "positive", represents the scene as it appeared.

Fox Talbot, then made two of the



A NEGATIVE

great steps in the development of photography when he found how to expose his paper for a time insufficient to darken it completely and then to develop upon his paper a negative which he could print on paper covered by silver chloride. Of

course, the paper was not transparent as our film is, but he made it more transparent by treating it with oil or wax. In this he was followed many years afterwards by Mr. Eastman in his roll holder, which was the forerunner of all the



A POSITIVE

Kodaks. In this roll holder at first Mr. Eastman used a paper film to make the negative on and then made the paper transparent for printing.



Building No. 15 Sleigh Ride

Weather-man Casey, of Building No. 15, having predicted a clear night and good sleighing for January 15th, the Packing Room held its first annual sleigh ride by going to Pittsford.

The affair was a huge success from beginning to end. Twelve couple started out in a bob appropriately named "Belles and Beaux." On the way down songs of the past, present and future were sung by the entire company, while the talented German comedian, Herb Wehner, entertained on the way back.



BY FRED H. GARDNER

Officers

President, R. C. RUCKOLDT,	Fire Department
Vice-Pres., H. R. WILLIAMSON,	Building No. 29
Secretary, J. F. TALLINGER,	- - - Office
Treasurer, B. M. BROWN,	- - - Office
Manager, CARL HALLAUER,	- - - Building No. 28

TRUSTEES

Percy Bryan,	- - - E. & M. Department
Frank Henchen,	- - - Building No. 36
Fred Gardner,	- - - Office
F. H. Wignall,	- - - Box Department

MANAGERS AND CAPTAINS

Clyde Miller,	- - - Captain of Track Team	- - - Office
---------------	-----------------------------	--------------

Joe Fitzpatrick,	- - - Manager of Bowling Team	- - - Building No. 2
------------------	-------------------------------	----------------------

Ben Abel,	- - - Captain of Bowling Team	- - - Building No. 12
-----------	-------------------------------	-----------------------

Bessie Atkins,	- - - Manager of Girls' Bowling Team	- - - Building No. 12
----------------	--------------------------------------	-----------------------

Manager K. P. A. A. Bowling League	
Frank Henchen,	- - - Building No. 36

Captains K. P. A. A. Bowling League			
H. Burley,	- - - Velox	R. Weber,	Chemical
E. Church,	- - - Tool	G. Sloab,	Emulsion
G. Driscoll,	- - - Film	H. Gardner,	Autogra.
J. Yoekel,	- - - Plate	N. Bruce,	- E. & C.

Austin Culligan,	- - - Manager Indoor Baseball	- - - Office
------------------	-------------------------------	--------------

Fred Gardner,	- - - Captain Indoor Baseball	- - - Office
---------------	-------------------------------	--------------

Carl Hallauer,	- - - Manager Basketball	- - - Building No. 28
----------------	--------------------------	-----------------------

Robert Weber,	- - - Assistant Manager Basketball	- - - Chemical Plant
---------------	------------------------------------	----------------------

Allan Ferguson,	- - - Captain Basketball	- - - Building No. 4
-----------------	--------------------------	----------------------

John Fitzpatrick,	- - - Captain Second Basketball	- - - Job Print
-------------------	---------------------------------	-----------------

Howard Taylor,	- - - Manager K. P. Midget Basketball	- - - Office
----------------	---------------------------------------	--------------

Albert Ballard,	- - - Captain K. P. Midget Basketball	- - - Office
-----------------	---------------------------------------	--------------

Mae Carr,	- - - Captain Girls' Basketball	- - - Building No. 36
-----------	---------------------------------	-----------------------

Emmett Lott,	- - - Manager Baseball	- - - Building No. 29
--------------	------------------------	-----------------------

Walter Farley,	- - - Manager Musical Clubs	- - - Building No. 12
----------------	-----------------------------	-----------------------

Horace Robinson,	- - - Director of Glee Club	- - - Building No. 12
------------------	-----------------------------	-----------------------

John Tyne,	- - - Librarian of Glee Club	- - - Office
------------	------------------------------	--------------

Percy Bryan,	- - - Librarian of Band	- - - E. & M. Department
--------------	-------------------------	--------------------------

Assembly Hall Schedule

Noon

Monday.....Men	Wednesday.....Girls
Tuesday.....Dancing	Thursday.....Men
Friday.....Girls	

Night

MONDAY

5:30 to 6:30	Girls' Basketball Teams.
6:30 to 9:30	- Band Rehearsal.

TUESDAY

5:30 to 7:30	- Men's Gym. Class.
7:30 to 10:30	- Girls' Basketball.

WEDNESDAY

5:30 to 8:00	Glee Club Rehearsal.
--------------	----------------------

THURSDAY

5:30 to 10:30	K. P. A. A. Basketball League and Amateur Athletic Federation Basketball.
8:00 to 10:00	- Girls' Gym. Class.

FRIDAY

5:30 to 7:30	- Men's Gym. Class.
7:30 to 10:30	- Dramatic Club.

SATURDAY

12:00 to 1:30	- Boxing.
1:30 to 7:00	- Open for girls only.
7:00 to 10:30	- Boys under twenty.

NOTE:—When an entertainment is given or a game played, this schedule will be dropped for the evening.



Checker Tournament

Monday, February 21st, the first rounds of the checker tournament will be played. Thirty-two members will compete for the silver cup. R. W. Cook, Chemical Plant, and F. A. Vahue, Bldg. 14, have charge of the players and schedule.

Big Team Basket Ball

Kodak Park, 37—C. Y. M. A., 7

Our team defeated the C. Y. M. A. on January 21st by the score of 37 to 7. The game was played in the Assembly Hall before a goodly sized crowd. About a dozen loyal rooters accompanied the Catholic boys and

at the hands of the Cathedral Five. The game was played at the Frank Street Hall and proved a heart-breaker for our boys. Judge Harmon had no less than twelve shots hit the wire, then do a little spin and flop out. The K. P. played a faster game than the score indicates, but it seems that the luck pulled one way.



K. P. A. A. OFFICERS—1915-16

Standing—F. Henchen, Trustee; B. M. Brown, Treasurer; F. H. Gardner, Trustee; J. F. Tallinger Secretary. Seated—C. S. Hallauer, Manager; H. R. Williamson, Vice President; R. C. Ruckoldt, President; F. H. Wignall, Trustee; Percy Bryan, Trustee.

made things lively with cheers and stunts. Slim McAvoy, the famous catcher with Connie Mack's Athletics of the American League, was seen in action at a forward position and though in the game only a few minutes, he managed to drop the ball through for the "C's" first field goal.

C. M. A., 25—Kodak Park, 14

On Wednesday Evening, January 26th, our team went down to defeat

Kodak Park, 17—Perintons, 15

On Friday Evening, January 28th, the team met and defeated the crack town team from East Rochester in what was considered the fastest and cleanest game ever played at the Park. This is a very broad statement but nevertheless true. In the first half K. P., by the brilliant shooting of Harmon and Guillod, managed to work ahead. When it ended the score stood 12 to 3.

In the second half the Perintons started off with a rush and before the boys realized it, the score was in favor of the visitors. A basket by Benzoni and a foul shot by Ferguson, brought the score to a tie. From then until about thirty seconds before time the ball see-sawed back and forth. Then the ball was held

his toes, Kodak Park came back to take the last game of the Brockport series. The final score of 18 to 6 is indicative of the relative playing of the two teams. While the playing of every man was notable, the floor work of "Ace" Guillod and the foul shooting of Ferguson deserve special mention. With the team



THAT PERINTON GAME—BY LAUTES

under the Kodak basket. Charlie Green, jumping for us, held his man from advancing and, on the jump, tossed the sphere in for a clean basket and the game, for time was called with the ball in the air.

Kodak Park 18—Brockport 6

On Saturday, February 5th, in a game of thrills, with every man on

going at its present pace there seems no reason why Kodak Park should not be the city champions.

Arrangements are now being made for a series of big games to decide the local title. So far they are in such a tentative state that a formal announcement is not warranted. The bulletin boards will have the announcement soon.

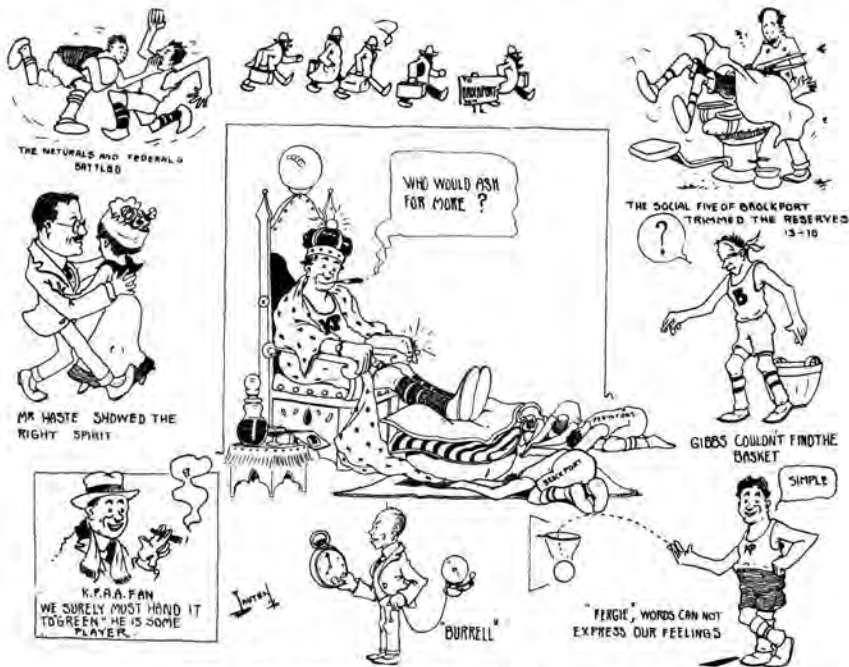
Second Team Basketball

As well as a successful First Team, we have a cracking good bunch of "Scrubs." The Second Team captained by Fitzpatrick recently took the Co. G., N. G. N. Y. team into camp by the score of 48 to 9. Bye and Quigley showed up excep-

Prospects for Baseball

As the basketball season nears its close the Kodak Park rooters will soon transfer their attention from the National indoor sport to the great American game—Baseball.

The question of interest is whether Kodak Park will be able to put in



THE BROCKPORT GAME—AS SEEN BY LAUTEN

tionally well. Later in the same week the team representing Rosenberg Brothers went down to defeat by the chesty "Plebes" to the tune of 45 to 9—Some scoring machine—"Look out, you First Team fellers." say the reserves. Without doubt another year some of the reserves will make the big team, judging from the showing the boys are making.

the field a team that will take its place with credit in comparison with that of last season. With Forstbauer, Bercher, Manhold, Gardner, Lawler, VanGraafeiland, Bahr, Kennedy, Gallagher and La Cava as a nucleus and with the new material on the Park, a fast team ought to be rounded out earlier than ever in the season.

Rubber Soles

The rule that only rubber soled shoes can be worn on the Basketball court will be enforced from now on. Members found playing with heeled shoes will be "eliminated" from the court.

Trap Shooting

A committee has been appointed to make plans for a gun club to start operations early in the spring. H. Le B. Gray, H. H. Tozier, H. C. Dunk and A. W. Madsen are the members of this committee



GIRLS BASKET BALL TEAM

Standing—Wilhelmina Van Galmart, Anne Dalzell, Mae Carr, Captain Seated—Alice Bloedergroen, Ella Hoffmeier, Carrie Smith.

Girls' Basketball

Possibly the most novel feature of this year's basketball season has been the playing of the girls' team. Victories in the first two big games is an enviable record. Watkins was defeated by a lopsided score in the first game while Corning's clever team fell before the girls in the preliminary to the Perinton game, the score being 12 to 3. Return games with these teams will be played soon.

Girls' Gym. Class

All girls belonging to the K. P. A. A. are invited to join the girls' gym. class which meets every Wednesday evening at eight o'clock. Girls are to register at the K.P.A.A. Office before entering the class. Every girl is required to wear rubber soled shoes in the class work. It is also advisable for class members to purchase a suit. This can be done through the association.

Another Smoker Coming

The man who selected the seventeenth of March as the date for the next smoker must have had something up his sleeve. The Chief and "Carl" both strenuously deny however, that they have it in for anybody. They promise that the indoor sports will be the best ever pulled off and the "smokes" will be as nearly imported as possible, whatever that may mean.



Kodak Park Athletic Association

Treasurer's Report, December, 1915

Balance on hand Dec, 1, 1915, \$ 828.60

RECEIPTS

Dues from members	-	\$	36.75	
Donations	-	-	-	10.00
Dances	-	-	-	217.30
Bowling	-	-	-	68.00
Basketball	-	-	-	114.70
Sales of supplies; Members buttons & pins			8.15	
Miscellaneous			.10	455.00
Total				\$1,283.60

DISBURSEMENTS

Stamps, car tickets	-	\$	2.24	
Dues refunded	-	-	-	.25
Signs	-	-	-	1.65
Dances	-	-	-	129.89
Bowling	-	-	-	155.45
Indoor Baseball	-	-	-	11.98
Basketball	-	-	-	267.91
Smokers	-	-	-	121.45
Glee Club	-	-	-	21.30
Band	-	-	-	37.88
Soccer Football	-	-	-	2.60
Football	-	-	-	77.26
Dancing Class	-	-	-	14.00
Cash on hand and in bank Jan. 1st, 1916				439.74
Total				\$1,283.60

Girl's Party

The first big party for girls was held on January 18th in the Assembly Hall. As each girl entered she was given a box of candy. The usheresses and confection venders were in costume and needless to say represented characters of the other sex, Charlie Chaplins being in the majority.

The festivities opened with a parade of the four hundred fifty girls, Marguerite Ellis leading hammering a bass drum, and followed by the ushers and performers.

The thunderous applause and screams of joy which greeted the twelve act vaudeville bill sounded like a busy night on the western battle front. No one performer can be singled out for mention, as the applause and laughter was equally distributed throughout the entire evening.

The performers who graciously gave their services to make the evening a success, were the Misses Doris Long, Florence Doescher, Ruth Glieve, Elizabeth Morgan, Helen Fogarty, Dorothy McMullen, Helen Phillips, Ethel Bradbury, Elfrida Manhold, Sylvia Rich, Francis VanBork, Wilhelmina VanGalmart and Ella Hoffmeier.

While each member of the K. P. A. A. was permitted to bring a girl friend for the party this will not be the case at the next party on the evening of Friday, March the twenty-fourth. At this time only girls belonging to the K. P. A. A. will be admitted.

**Bowling****Camera League**

The interest at the Park has been keenly aroused this year and the support given has been most gratifying.

On Saturday, February 6th, the boys met our old rival, the Camera works and bested them two out of three. The team standings follow:

	W.	L.	P. C.
Kodak Park . . .	39	6	.867
Camera Works . . .	35	10	.778
Premo . . .	20	25	.444
Main Office . . .	19	26	.422
Folmer-Century . . .	14	31	.311
Hawk-Eye . . .	8	37	.178

K. P. A. A. League

The standing of clubs in the K. P. A. A. League, week ending February 2nd, was as follows:

	W	L	P. C.
Film - - -	33	9	.786
Autographic - - -	29	13	.696
Velox - - -	24	18	.571
Plate - - -	22	20	.524
Tool - - -	18	24	.429
Emulsion - - -	17	25	.405
E. & M. - - -	15	27	.357
Chemical - - -	10	32	.238

INDIVIDUAL AVERAGES

	G	P. C.
Buckman - - -	42	191.33
Behrns - - -	27	190.7
Manhold - - -	25	181.11
Casey - - -	36	180.32
Murphy, Jr. - - -	37	180.3
B. Abel - - -	42	179.31

Indoor Baseball

The most exciting game of the year in the Industrial League was the ten inning contest of February 9th, when Kodak Park won out over Defender, 11-10. The team is now in fifth place.

**K. P. A. A. Basketball League**

The K. P. A. A. basketball league was opened on February 6th when the Federals and Neutrals, both of Building No. 29, met in mortal combat. The game put up was a cross between a battle royal and a bull fight. Science was cast to the winds while charges and counter charges were made on first line trenches. At the end the Neutrals emerged victorious the score being six to two.

Future games will be played on Thursday evenings, three each evening. The teams which will battle for the cup on exhibition in the trophy case are as follows:—

Building No. 29 - - -	Neutrals
Building No. 29 - - -	Federals
Building No. 26 - - -	Office
Building No. 42 - - -	Teutons
E. & M. Dept. - - -	Outlaws
Building No. 2 - - -	Allies

Dates Ahead

Sat. Feb. 19	Basketball	K. P. vs. Auburn	Assembly Hall	8:00 p. m.
Mon. Feb. 21	Checker Tournament		Building No. 28	8:00 p. m.
Wed. Feb. 23	Bowling	K. P. A. A. League	Grand Central	8:00 p. m.
Sat. Feb. 26	Basketball	Open	Assembly Hall	8:00 p. m.
Sat. Feb. 26	Bowling	K. P. vs. Hawk-Eye	Genesee Hall	3:00 p. m.
Wed. Mar. 1	Basketball	K. P. vs. C. Y. M. A.	C. Y. M. A. Gym.	8:00 p. m.
Fri. Mar. 17	Smoker		Assembly Hall	8:00 p. m.
Fri. Mar. 24	Girls' Party		Assembly Hall	8:00 p. m.



HOW IS YOUR LOCKER?

