THE BRUSH RAYS ARE EFFECTIVE.

Prof. Doremus Finds the Spark from a Holtz Static Machine Has Penetrating Power.

Without Tube or Bulb He Succeeded in Procuring Results Ascribed to the X Ray.

IS THERE LIFE IN CATHODE BEAMS?

A Drowned Mouse Resuscitated After an Hour in Their Effulgence—Edison Seeks Rays of a Higher Power.

While Thomas A. Edison is preparing for his experiment in the photography of the living human brain by the new process of Roentgen photography, scientists in New York have by no means left the entire field of cathode ray experiments to the sage of West Orange. While Edison has been busy perfecting tubes as a substitute for the expensive Crookes tubes that have hegetofore been deemed indispensable in securing photographic results, Dr. R. Ogden Doremus, and his son, Dr. Charles Doremus, of the College of the City of New York, have proved that the photographic reproductions can be secured without tubes. To accomplish this result an ordinary Holtz static machine is used, and the brush rays flowing between its two poles have been found to possess the penetrating power of thexray in a degree sufficient to pass through seemingly opaque substances and have photographic effect. A longer exposure is necessary than with a Crookes tube, but the same results have been attained, and the theory that the mysterious rays alone possess the penetrating power is disproved. Dr. Doremus says that so far his achievements are not research, but amusement. He considers it

From a photo copyright by Falk.
Professor Doremus.

He has discovered that the brush spark, or ray from a Holtz machine, has a penetrating power similar to the X ray.

unprofessional to make the result of his experiments public while they are not complete, and he will not give the details of his experiments. He says, however, that his photographs were taken without tubes, and that there are possibilities in that direction that may eliminate the tubes entirely.

The discovery that the brush rays discharged from a Holtz machine will find their way through the seemingly opaque substances is more or less of a puzzle to scientists. They are said to be a different sort of ray from the cathode rays within the Crookes tube that the scientists said didn't do the business in piercing the molecules of opaque matter.

Concerning the whole matter of cathode rays, Professor Doremus said:

"My dear sir, we don't know a thing about it. The thing is in its infancy. We don't know what the light is that does it."

EXPLANATION OF THE X RAYS.

Professor Pupin, of Columbia College, says that the cathode rays within the tube were projected with tremendous force against the glass of the tube, and that the X rays, the penetrating rays, were born at the glass, where it became luminous from the continued bombardment of the cathode rays. That would mean, he said, that the cathode rays themselves played but a secondary part in the shadow production, and were in reality in parental relation to the Raentgen light that affected the sensilized plates through opaque substances. The brush rays of the Holtz machine are by no means an unknown quantity, as are the X rays, and yet Professor Doremus finds that their penetrating and photographic power in as great.

Roentgen, in his definition of the rays that bear his name, maintains that these are not cathode rays. Yet the rays with which Dr. Doremus produces photographs are cathode rays, and are essentially different from the X rays.

Dr. Doremus says he does not know whether any one else has succeeded in photographing with the brush rays, unassisted by the Crookes tube. Whether or not it may prove of more value than the photographing with the X rays must remain a matter of conjecture. Experimenting with them will, it is said, be less expensive than with the Crookes tubes, or even the Edison substitutes for them.

The one Holtz machine can be used for thousands of experiments; no Ruhmkorff coil is necessary, nor is other apparatus essential.

The machine used by Dr. Doremus is of New York make and is capable of producing a voltage of 52,000. It has six plate-glass disks set upon a common axis and enclosed within a box set upon an insulated table. The object to be photographed is placed beneath the two poles in the face of the machine and as near them as is possible, without danger of contact with the brush discharge. An ordinary camera plate holder containing the sensitive plate is placed directly beneath the object through which the rays are to find their way. Good results are produced when the machine is turned at even a very low rate of speed.

SEES ITS FUTURE VALUE.

Dr. Doremus has faith in the practical utility of shadow projection photography and believes that it will be of incalculable value in medical science. Since the first news of Roentgen's discovery was cabled to this country he has devoted much of his spare time to the work, but until now he has looked upon it as amusement rather than serious research.

Dr. Lewis Sayre has asked him to experiment in photographing the bones in club feet and malformed knee joints, and he will comply. One of his assistants, whose upper arm was badly fractured and afterward broken again in an effort made by a physician to ascertain how strongly the bones had knit, will submit the arm to photography, and it is hoped that the negative will reveal the present condition of the fracture.

Dr. Doremus says that there are many hitherto unthought-of ways in which the new art can be utilized, but he is somewhat doubtful of its efficiency in photographing the human brain in the present experimental state of development of apparatus.

Max Osterberg, fellow of Columbia College, in a series of experiments in the college laboratory, has discovered what may prove to be a wonderful and unknown property in the X rays. He attempted to photograph a mouse, and the mouse, having been supposedly drowned, was resuscitated while in the radiance of the X rays under circumstances that led to the belief that the rays may have had something to do with it. The live mouse in a wire trap was placed in a pail of water and left there seventeen minutes with a weight on the trap.

The apparently dead mouse was left in the trap fully an hour before the experiment was attempted. Then the mouse was laid on its side on a sensitized plate, and the end of a vacuum tube placed two inches above the body. The ray-producing current was turned on and continued for an hour, when the operator discovered that the mouse was kicking. He pushed it away and it struggled as if trying to get back into the rays of light. It was put back in the trap and gradually revived, until it seemed normally active and healthy. It is still in the laboratory and will be used for future experiments as to the possible revivifying effect of the X rays.

ENTHUSIASTIC INDUSTRY.

Mr. Edison did no active work yesterday and rested, after nearly seventy hours of active experiment. It was found yesterday that he has been working with the most meagre knowledge of what was actually accomplished by Roentgen, and that he had not until Saturday read the Wurtzberg professor's report of his discovery, as printed in the European newspapers and cabled to this country.

Mr. Edison began his work out of mere curiosity, he says, but he has become so interested and has accomplished so much more than he anticipated, that he now finds it hard to tear himself away from his bulbs and Ruhmkort coils, even to eat.

Saturday he ate sandwiches incidentally as he worked, and his assistants, who have caught the fever of his enthusiasm, did not leave the laboratory for meals or anything else. They are all eagerly awaiting the result of this experiment in brain photography to-day, and there is rivalry among them as to which shall be permitted to furnish the brain for the test.

Mr. Edison is not over sanguine of the result of this experiment, but he has five tubes that he is convinced are the best he can make with his present knowledge of the art, and he hopes for the best.

In selecting the tubes for the experiment the utmost care has been used. As each tube was completed it was tested in photographing strips of steel, zinc, lead, celluloid, aluminum, glass and hard rubber. Out of a score or more the five having the most powerful photographic effect after penetrating the strips were selected. Mr. Edison kept exact memoranda of the vacua produced in those that proved to be the best, and he now hopes to make good ones invariably.

NOTHING ENTIRELY OPAQUE.

"There is nothing new," says Mr. Edison, "in penetrating steel. Roentgen did that. The fact is just this: The rays will penetrate any known substance in some degree. It is simply a question in this brain photography as to whether they will penetrate the skull in sufficient volume. I hope that they will, and if they don't I shall try to make some that will."

Mr. Edison's mail is full of letters from surgeons and scientists all over the country who are interested in the experiment, and many more have asked for the privilege of being present than Mr. Edison can possibly accommodate. The result, if successful, in the shape of a photograph, can be seen by any one.

The young man who submits himself to the experiment will not be subject to pain or inconvenience, and it is doubtful, Mr. Edison says, if it ever produces a headache. He will be placed on the laboratory table with his head on the sensitized plate for an hour for each exposure, and several exposures will be made with varying voltage and vacua in the tubes.

"If I do succeed," says Mr. Edison, "art terms will be badly mixed. One now speaks of an 'interior' and of a 'portrait.' We will have to add to the dictionary of art the term 'an interior portrait.'"

A PRACTICAL EFFORT.

The Presbyterian Hospital Preparing for Surgical Use of the New Photography.

To the surgeons of the Presbyterian Hospital will fall the honor of being the first medical men in the city to use Prof. Roentgen's cathode rays in the treatment of cases of broken bones and lost bullets. For several years Dr. George W. Stevens, an enthusiastic member of the Camera Club at No. 314 Fifth avenue, has been engaged by the hospital to make photographs of difficult and interesting surgical cases that the hospital physicians desired to preserve.

Saturday the physicians called upon Dr. Stevens to make an investigation of the use of the new light and report as soon as possible the benefits to be derived and the cost of equipping the hospital with a plant necessary for the work. It is proposed to supply a plant of such practical value that it can be used to locate fractures of bones and bullets or any other foreign substance that may be in the body.

Dr. Stevens said yesterday:

"We know so little about this new discovery that I do not feel inclined to say much. In fact, I have only been at work trying to see what can be done toward putting in a plant at the hospital. Just what I have done I am not at liberty to state. Of course we want to know just what practical results can be obtained before we go to the expense of an outfit, which I understand is decidedly costly.

"I have seen no photographs taken by the process, but I expect to know something in a couple of days in regard to the new light and its possibilities.

"There was no regular meeting of the medical staff. I was just told to go ahead and investigate the photographs taken, and find out what it would cost. I have not been at it long enough to give any opinion. I have made no experiments myself."

The physicians at Bellevue Hospital have also been talking of making some sort of an experiment with the new light. This, of all the hospitals, has the greatest opportunity in the city for a practical test of the new rays in surgery cases. While Bellevue physicians are very anxious to try the new light, the Presbyterian Hospital, not being hampered by official red tape, will undoubtedly be the first to secure an apparatus.

ITS LIFE-GIVING OZONE.

The Production of the X Ray Has an Exhilarating Effect Upon Experimenters.

Professor Michael I. Pupin, of Columbia College, who has been making a number of experiments with cathode rays, said yesterday:

"Unless we are able to get a stronger light from the Crookes tubes that we are now using, I do not see how we shall improve much. Nobody but Roentgen has been able to satisfactorily photograph a hand so that nothing but the bones showed. In the photographs obtained by myself and others here, we show the flesh of the hand almost as plainly as we show the skeleton.

"In Roentgen's productions no flesh showed at all, and that fact leads me to believe that he has not told all that he knows. I think that perhaps he is holding back until he is able to secure certain patents. He may have discovered something that is of great practical value.

"I myself shall make no more experiments until I am able to produce a Crookes tube that will throw a finer light than those I have so far used. All my experiments will be along that line. The length of time an article is exposed for photographing has a great deal to do with the result. A pair of spectacles in a case at an hour's exposure showed just the lines of the frame. Forty minutes later the glass was shown and the shape of the lens was clearly developed.

"The ozone in the atmosphere about the machine where photographs by the new process are being taken is very great. It keeps one fresh and exhilarated. An assistant working under my direction was up all day, all night and all the next day, and at 11 o'clock at night was still fresh, and didn't look as though he needed sleep. In the room where the process is going on it smells as sweet as it does just after a thunder storm and the air is purified."

ATTACKED BY A MADMAN.

After a Priest Had Blessed Him There Began a Terrible Struggle at the Altar of St. Paul's.

Boston, Feb. 9.—While Father Ryan was instructing a class of young people last evening in St. Paul's Church, corner of Mount Auburn and Holyoke streets, Cambridge, the meeting was disturbed by a man rushing in and requesting the priest to bless him. In order to cause no disturbance among the children Father Ryan complied with the man's request. The man knit down and was blessed.

Suddenly the clergyman was startled by the man jumping up and grasping him by both arms. Father Ryan tried to wrest himself free, but to no purpose. The man clung to the priest tenaciously and all efforts to shake him off were futile. The man seemed gaining more strength each moment and the priest, though suffering great pain, did not cry out for fear of exciting the children. Father Ryan, who is a tall, powerful man, was like a baby in the grasp of the infuriated stranger. As the struggle went on, however, the young people became excited and began to scream. A panic was averted by one of the older children, who ran out and found Officer Corcoran. The officer rushed to the priest's aid, but even his assistance failed to release the clergyman. A messenger was dispatched to Station 1, and two officers were soon on the scene. When they arrived they found both Officer Corcoran and Father Ryan struggling with the madman, who was foaming at the mouth. After a further struggle he was finally overcome and taken to the station house strapped in the patrol wagon.

He gave his name as Michael O'Nell. He is a teamster and lives at No. 627 Putnam avenue, Cambridge. He was examined by a physician, who advised his removal to an insane hospital.

Some time ago O'Nell created a similar disturbance in Father Scully's church. This evening Father Ryan was resting comfortably, but he will be unable to be about for several days, owing to the terrible bruises he received.

GIRL CLERKS, FAREWELL.

Report Favorable to the Department Stores Adopted by the Central Labor Union.

The final report of the committee appointed by the Central Labor Union to investigate the conditions under which girls work in the dry goods stores was made yesterday. The report was the production of Robert Winston, delegate of the Liberty Dawn Association of Coach Drivers, and John J. Pallas, delegate of the Pattern Makers' Union. Delegate Farley, of the Hexagon Labor Club of Tilelayers' Helpers, presided at the meeting.

The report stated that Delegates Winston and Pallas had on January 14 visited the following dry goods store: Hearn's, Macy's, Ehrich's and O'Neill's. They found everything in good shape, fair ventilation, good sanitary arrangements and the employes generally satisfied with their surroundings. In Ehrich's the employes were paid for overtime and given supper free when they worked overtime.

A long discussion followed as to whether the stores ought to be inspected by the Board of Health Inspectors or the Factory Inspectors. Delegate Edwards, of the Hexagon Labor Club, referred to Factory Inspector Connelly as a "big stuff."

The chairman demanded that he withdraw the expression.

"I want," said Edwards, and then the said some more things about the factory inspector.

"Well, I'll say he is a political stuff," he said finally.

The report was finally adopted.

Delegate Hoadley, of Electrical Workers' Union, said: "I have a humiliating report to make. After striking against non-union men we had to settle the best way we could."

Mr. Hoadly said that the union had found that strikes were fruitless. His trade struck for thirteen weeks in 1892, against non-union men, and again in 1894, for the eight-hour work day and both strikes were failures. He believed that arbitration was the best way of settling strikes, and proposed that the constitution of the Central Labor Union should be amended by bringing in a plank to the effect that all grievances must be submitted to it before strikes were ordered. As Delegate Hoadly spoke only for himself and not for his union the resolution was not entertained.

He gave notice that he would come next Sunday with the authority of his union to state the question.

TWO BOY BURGLARS TRAPPED.

Policeman Mallon Saw Them Climb Over the Fanlight of a Saloon.

Policeman Mallon, of the Macdougal Street Station, went sleuthing yesterday morning. At 2 p. m., while looking for open side doors, he saw two men skulking along the gloomy sides of Mercer street. The officer stepped inside a storm door, and presently saw the men climb through the fanlight at August Lindermann's saloon, at No. 174. He rapped for assistance and got Officers Hoggman and Ruland, of his own station house.

While the two watched in front, Mallon went to the side door and found it unlocked, but the two men were holding it from the inside. At last his superior strength overcame them, and he walked in, to be confronted by two beardless youths. They gave their names as John Welling, of No. 128 Houston street, and Emil Bauth, of No. 31 Morton street.

At the station house they were recognized as the two boys arrested two weeks ago for having, with two others, robbed a restaurant at Prince and Wooster streets. They escaped punishment then by turning State's evidence. In Jefferson Market Police Court yesterday Magistrate Brann remanded them until this morning, in order that the saloon-keeper might be summoned to appear against them.

Dr. Jayne's Expectorant is both a palliative and curative in lung complaints, bronchitis, etc. It is a standard remedy for coughs and colds.

If bilious take Jayne's Painless Sanative Pills.*,*

Don't be without it; Uberti's Tar, Boneset and Honey for coughs and colds. Sold everywhere.*,*

JOHANNA TAKES A SMOKE.

Lighted a Cigarette, Puffed at It and Looked at Herself in a Glass.

The Big Ape Was Disgusted When, by Chance, She Stuck the Lighted End in Her Mouth.

THREW THE TOBACCO AT M'KAY.

She Was Not Sick After Her First Experience—Wore the Keeper's Cuffs on Her Ankles All the Afternoon and Seemed Vexed.

Johanna, not satisfied with learning to write and drawing well enough to have her sketches published in the newspapers, has taken to smoking cigarettes. Yesterday was her first go at them, and, unlike the majority of persons, after their first smoke, she was not sick.

Johanna figured extensively in the Sunday papers, and during the visit of a party of women from Boston she thumbed over the papers and seemed, according to her keeper, "just a little stuck on herself."

Keeper McKay retired to the rear room in which he sleeps, leaving his coat and vest and a pair of cuffs on the radiator, more than seven feet from Johanna's cage. While he was away he heard something fall and thought that his vest had fallen off the radiator. Thinking of his watch in the pocket, he ran into the room and saw Johanna pulling the vest and a pair of cuffs into her cage. She had knocked them off the radiator with her lasso. The watch had rolled under the heating apparatus uninjured. Johanna, with vest and cuffs, retreated to the rear of the cage, and after putting the cuffs on her ankles, commenced to search the pockets of the vest. She made several attempts to put on the garment. She put her head through the armholes, and finally threw it on the floor.

SHOWED HER HOW TO WEAR IT.

Mr. McKay coaxed her for several minutes, and she brought the vest to him. It was no longer of any use to the keeper and he held it open while Johanna put her arms through the places where they ought to go. Mr. McKay buttoned two buttons and Johanna unbuttoned them. He gave her a looking glass, and she surveyed herself with pride. The things in McKay's pockets interested her. A box of cigarettes was a good find. She opened it and took out a picture of a burlesque actress. One cigarette was in the box, and Johanna handled it so roughly that it was broken and crumbled away.

"If you are going to be a new woman, 'Hanna, you will have to smoke," said the keeper. He rolled her a cigarette of large-cut tobacco in brown manilla paper.

TOOK THE MATCH HERSELF.

"Open your mouth, 'Hanna," said he, as the big ape stood up before the bars. The cigarette was placed in her mouth, and Mr. McKay handed her a lighted match. Without the slightest hesitation Johanna lighted the cigarette. The smoke went up her nose. She drew a breath and Johanna was smoking. She took it out of her mouth, turned it around in her big hand and put it back again, took another puff and took it out. Keeper McKay danced with joy. "She'll talk in a month," he said. Johanna went to the corner of her cage and surveyed herself in the glass. Looking in the glass was a mistake. The cigarette was reversed and she put the lighted end in her mouth. McKay laughed at her and she threw the cigarette at him. He coaxed her for the cuffs she had on her feet, but she refused to give them up. When McKay left for dinner Johanna, with vest and cuffs on, was in the corner looking very mad. Mr. McKay wore no cuffs to dinner, as Johanna was wearing his only pair of cuff buttons.

BENEFT TO MARVIN CLARK.

The Blind Journalist's Friends Filt the Casino in His Honor.

Marvin R. Clark, the blind journalist, was given a benefit at the Casino last night by members of the Press Club, the Thirteen Club, German Press Club and hosts of friends in all professions. A lengthy programme was arranged, there being so many who volunteered their services in his behalf. Canary & Lederer donated the use of their theatre for the occasion, and a large audience assembled to enjoy the treat provided.

The Orpheus Orchestra, under direction of Emile Schoen, opened the proceedings with Strauss's "Persian March." It was followed by Hubert Arnold with violin solos, in which he was accompanied on the piano by Emil Levy. Signor Carbone, who appeared by permission of Abbey, Schoeffel & Grau, sang Tagliafico's "Angel Serenade," and was enthusiastically applauded.

Victor Herbert, conductor of Gilmore's band, played two violoncello solos; J. E. Dodson gave a humorous monologue, Max O'Rell told a few humorous reminiscences and Mme. Clementine De Vere sang one of Donizetti's arias with great success.

Other volunteers were Minnie Methot, soprano; Signor Russitano, of the Metropolitan Opera House; Nelson Wheatcroft, oFrrest D. Carr, Elita Proctor Otis, Wilton Lackaye and Claudia Hazen Barto.

Signor Russitano, at the conclusion of his song, was presented with a laurel wreath tied with silken American flag streamers.

The benefit was a huge success, financially and artistically. In an address to his friends, printed on the programmes, Mr. Clark thanked all who took part in the affair, and invokes blessing upon those who were instrumental in coming to his assistance.

ROHRIG HAD THE LAST LAUGH.

Arrested a Saloon Keeper Who Sold Liquor Through a Barred Door.

In Jefferson Market Police Court yesterday Magistrate Braun held in $100 for trial Patrick Sheridan, saloon-keeper at No. 440 West Twenty-seventh street, who has an original method of defying the Sunday law. Detective Rohrig, of the West Twentieth Street Station, made the arrest.

He said he found Sheridan handing out bottles of whisky through a small opening in a heavily barred door. He called on him to surrender himself, but the saloon man only gave him a big wink and told him to come inside and make the arrest. That was a week ago yesterday. Rohrig bided his time, and arrested Sheridan Saturday night, meeting him on the street by accident.

Free Fight in Third Street.

There was a free fight in John Tinko's saloon, No. 246 East Third street, late Saturday night. All the reserves from Union Market Police Station were sent there, and twenty arrests were made. Nicholas Jurcucy, of No. 280 Third street, sustained a compound fracture of the skull, and is now in Bellevue Hospital in a dying condition. The twenty fighters were paraded before Magistrate Flammer, in Essex Market Police Court, yesterday. He decided to let them all go except the saloon keeper and Michael Persibank. They were remanded till this morning to see if Jurcucy dies.

OBITUARY.

Superintendent Merwin Samuel Tilletson, of Adams & Co.'s Sixth avenue dry goods establishment, died at his home in Coram, Suffolk County, New York, the 31st ult. Mr. Tillotson was born at Jericho, L. I., fifty years ago, and had been identified with the dry goods business for the past thirty years, both in Brooklyn and this city, and was recognized as an invaluable man in the trade. A delegation representing his associates of this city attended the funeral, which took place at Coram on Tuesday, February 4. He leaves one brother, Foster Tillotson, of Brooklyn, and three sisters.

FOR STATE CHESS HONORS

Great Attraction on Washington's Birthday for Lovers of the Royal Game.

One Tournament for the State Championship and Another for Players Not Competing Therein.

BAIRD MUST GUARD HIS LAURELS.

Many Leading Local Lights Enteree in the Contest—Brooklyn's Tournament Likely to End To-morrow Night—Getting Ready for the Cable Game.

Chess for State honors will be the attraction for lovers of the royal game on Feb. 22, Washington's birthday, when the New York State Chess Association will hold its eighteenth annual meeting in the assembly room of the United Charities Building, this city. The assembly room, a fine, large hall admirably adapted for the purpose of holding such an event, will be the scene of some very exciting contests which are bound to produce chess play of a high order.

There will be, as usual, two tournaments, one for the State championship and the other for players not competing for this honor, and both are expected to bring out a large field of strong experts.

The present champion, D. G. Baird, will have to look to his laurels, for in the championship event are entered such leading local lights as J. W. Showalter, S. Lipschutz, A. B. Hodges, E. Delmar, H. Helms, E. Hymes, J. M. Hanham, J. S. Ryan, S. R. Rocamora and others.

Pairing of the contestants will occur at 9:30 a. m., and the sessions of play will be as follows: 10 a. m. to 1 p. m., 2 p. m. to 6:30 p. m., 7:30 p. m. to the close.

BROOKLYN'S TOURNAMENT.

The Brooklyn Chess Club's championship tournament, an event of much local importance, is gradually nearing its completion. E. Delmar, H. Helms, S. R. Rocamora, and J. Morphy are the candidates for the three prizes and a most exciting race is on between these experts. Tuesday's play should tell the tale, for that evening Delmar is to play with Helms, while Rocamora is booked to meet Morphy. The score to date:

Players.	Won.	Lost.	Players.	Won.	Lost.
Barrett	1½	0½	Rocamora	7	2
Breckenridge	5½	6½	Ruth	5½	4½
Delmar	8½	1½	*Showalter	3	1
Elwell	4½	6½	Somwelne	7½	5½
Finlay	3½	7½	Taber	4½	7½
Helms	8½	2½	Fatum	5½	4½
Morphy	9	3	Turner	2	10

* Showalter retired from the contest.

At the Progressive Chess Club, of this city, Hermann Helms, the young Brooklyn champion, recently gave a very successful simultaneous exhibition against a strong team of sixteen players. In five hours play he succeeded in defeating ten, losing only one and drawing the rest. A summary of the play follows:

Tables.	Players.	Openings.	Score.
1	Greenbaum, Petroff		½
2	Ross, P—Q 4		½
3	Eigel, King's gambit declined		1
4	Goldinger, Evan's gambit		½
5	Winter, Blackmar gambit		0
6	Friedman, Ruy Lopez		½
7	Greenberg, Queen's gambit declined		0
8	Appel, Evan's gambit		0
9	Borsody, K B opening		0
10	Rosenfeld, Scotch gambit		0
11	Kirschner, French defence		0
12	Kunen, P—Q 4		0
13	Schwartz, Ruy Lopez opening		½
14	Kempner, King's gambit declined		0
15	Hammond, Ruy Lopez		0
16	Martin, King's gambit declined		0

Total score: Helms won 10, lost 1 and drew 5.

COMING CABLE CONTEST.

The London Field of February 1 says: "A meeting was held on Wednesday evening, at the British Chess Club, to consider the selection of the British team in the forth-coming cable match between the United States and Great Britain. Sir George Newnes, Bart, was in the chair, and the secretaries of the leading metropolitan clubs were present, whilst the leading provincial clubs had sent in the names of those players they considered fit to be included in the team. The honorary secretary of the British Chess Club having made out a synopsis of the votes thus given, put in before the meeting, and those present handed in to the chairman their lists, which will be referred to the Selection Committee for guidance in their final selection. The match is to take place on March 13, eight players a side, according to the wish of the American Committee.

Caught His Own Burglar.

Solomon Buldenback, who says he is twenty-six years old, was remanded in Essex Market Police Court yesterday. He is accused on direct evidence of one burglary, and is suspected of several others. Louis Scherelz, of No. 115 Chrystie street, told Magistrate Flammer he was awakened Saturday night and found Buldenback in his room. He jumped out of bed and seized him, and found he had packed a bundle containing clothing and jewelry worth $100. He dragged the burglar to the street and turned him over to Policeman Von Diezelski, of the Eldridge Street Station.

Readjustment of our firm interests requires an immediate sale of all our winter stock.

What's left

Of the overcoats go for half value.

$30 English Melton Overcoats for **$15**

$10 for $20 English Kersey Overcoats.

$12.50 Llama Thibet Overcoats for (Some lined with silk.) **$7**

We desire a cash basis for the readjustment. For that reason the entire stock will be turned into cash.

E O THOMPSON
245 Broadway
Opposite City Hall Park—Cor. Murray St.

West 14th St.
ESTB'D 1807
COWPERTHWAIT'S TRADE MARK
"RELIABLE" CARPETS

DAINTY, DELICATE AND DELIGHTFUL

are the figurings, colorings, styles, patterns and designs of our "Reliable" Carpets. Such original ideas in such large assortment have never before been seen in the history of carpet selling. More alluring still are the exceedingly low prices, being the late low prices, at which we offer this unexampled stock. When you once see these carpets, your pocketbook will almost open of itself.

First-Class Furniture at Rock Bottom Prices
CASH OR CREDIT
COWPERTHWAIT & CO.
104, 106 and 108 West 14th St.
NEAR 6TH AV.
Brooklyn Stores: Flatbush Av. near Fulton St.

THE HIGHEST GRADE
CHAMPAGNE
$25.90 A BASKET.
PIPER HEIDSIECK-SEC.
FOR SALE BY
ALL GROCERS AND WINE MERCHANTS.

GREATER NEW YORK'S GREATEST STORE.

Bloomingdales
3rd Ave 59 & 60th Sts

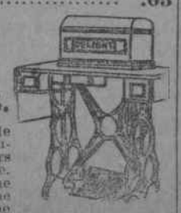
THIS MORNING OPENS the second week of Our Great Sale of Manufacturers' Stocks. Many strong leaders have been brought forward—several new stocks were opened—and the prices! Ah! Read and appreciate some. No wonder that we expect to do a rousing business this week.

Groceries.

The Most Complete Grocery Department in America.

Oranges, Messina, large, dozen..... .19
Lemons, extra fancy, dozen..... .12
Tomatoes, hand packed, solid, can.. .07
Corn, finest New York State, can.. .08
Early June Peas, finest, .15, .13 and .10
Schnittbohnen (Sliced Beans) 2½-lb. can ..... .18
Wheat Flakes, finest 2-lb. package.. .05
Mixed Pickles (Formerly 15c.) per bottle .06
Chow Chow, extra fine, bottle .06
California Lemon Cling Peaches, Extra fine .14
California Apricots..... .12
California Crawford Peaches.. .12
Buckwheat Flower, prepared, 3-lb. package ..... .12
Maple Syrup, purest, 1-gal. can, .99.
½-gal. can..... .52
Salmon, finest, tall can, .15, flat can .17
Smoked Sardines, finest imported, can ..... .12
Olives, finest Queen, 10-oz. bottle.. .12
Olives, finest Queen, one gallon jar. .92
Black Peppper, pure, 1-lb. can, .17, ½-lb., .09, ¼-lb..... .05

DELIGHT SEWING MACHINES.



The cheaply made Machines from unknown manufacturers are dear at any price. Our "Delight" is the best. Maker's name stamped upon the works of every Machine. The $55.00 kind 18.99

Picture Dept.

5,000 handsome pictures of all kinds in white enamelled frames, size 10x13 inches, Union Frame & Picture Co.'s price, $3.00 per doz., each, now..... .12

2,000 Artogravures, Madonna, Sacred Heart of Jesus, etc., all mounted and framed in 1 inch ornamented solid oak frames, different patterns, size 13x16 inches, Union Frame & Picture Co.'s price, 50 cts each, now..... .29

1,000 beautiful Artogravures, colored Landscapes, Marine and Fruit Dining Room Pictures in oak and gold or white and gold open work frames, size 24x28 inches, Union Frame & Picture Co.'s price, $2.50, at ..... .98

Furniture Features.

Those Morris Chairs at 7.98

With hair-filled, reversible, corduroy covered cushions, are quick sellers, and no wonder. Never was anything so good offered for so little money 7.98

BLOOMINGDALE BROS., Third Ave., 59th and 60th Sts.

AMUSEMENTS.

HAMMERSTEIN'S OLYMPIA, B'way. TO-NIGHT. MUSIC HALL. TO-NIGHT. FIRST PERFORMANCE OF THE SPECTACULAR OPERA AND BALLET, MARGUERITE. Libretto and music by Oscar Hammerstein. A Gorgeous and Costly Production, employing 150 People in the Cast, Chorus and Ballet. Preceded by an attractive VAUDEVILLE PROGRAMME. Eve. 8:15. THEATRE. Mat. Wed. & Sat.

RICE'S EXCELSIOR, JR. HOLIDAY MATINEE WEDNESDAY. 100th Souvenir Performance Feb. 17. CONCERT HALL PROMENADE CONCERTS. FIFTY CENTS ADMITS TO ALL.

HARLEM OPERA HOUSE. Evgs. at 8:15. Sat. Mat. only at 2. JAS. A. HERNE IN SHORE ACRES

KOSTER & BIAL'S MUSIC HALL. Nightly and Saturday Matinee. TO-NIGHT, FIRST TIME PAUL MARTINETTI'S PANTOMIME ON. in a Grand Scenic and Ballet Production of ROBERT MACAIRE and an unequalled vaudeville gramme. ADMISSION 50c.

Proctor's PLEASURE PALACE, 58th St., near Lex. Ave., 12 to 12. 25c., 50c. Stalls and box, $1, $1.50, $2. Geo. Lockhart's Comic Elephants. Marie & Dunham, Donatos, Bengalis, 40 others.

Proctor's Theatre, 23d St., n'r 6th Ave. 11 to 11; 25c., 50c.; stalls & box seats, $1. The Black Patti, John W. Ransone, Bonnie Thornton, Bruet-Riviere, Pholtes, 38 others. Sunday concerts, both houses, 2:30 to 11 P. M.

FIFTH AVENUE THEATRE. Eve. at 8:15. Sat. Mat. at 2. ONLY TWO WEEKS MORE. SPECIAL MATINEE WEDNESDAY, LINCOLN'S BIRTHDAY. WM. H. CRANE IN THE GOVERNOR OF KENTUCKY. Seats now selling for remaining performances.

ABBEY'S THEATRE, B'way, cor. 38th st. Every Ev'g and Wed. and Sat. Matinees. SARAH BERNHARDT. First time in Sardou's drama, GISMONDA, With original Scenery, Costumes and Effects. Special Mat. Fri'y, 14th, of Magda (by request).

HOYT'S THEATRE. 24th st., near Broadway. Evenings 8:30. Sat. Mats. 2:15. 6TH CROWDED WEEK. HOYT'S A BLACK SHEEP. 50TH PERFORMANCE FEB. 24. SOUVENIRS.

CASINO THEATRE. 2D WEEK. Canary & Lederer's Casino Company in THREE LADY SLAVEY. CASINO 12 to 6 "CABARET" Adm. CHAMBERS. 8 to 12 DU MENANT." 25c. SPECIAL MAT. Lincoln's Birthday, Next Wed.

MET. OP. HOUSE. GRAND OPERA. LAST WEEK OF THE SEASON. To-night (only time), Die Meistersinger. Wed. Evg., Feb. 12 (last time), The Huguenots. Thurs. Evg., Feb. 13, in Brooklyn, Carmen. Fri. Eve., Feb. 14, 1st subscription night, Faust. Sat. Afternoon, Feb. 15, last matinee, Carmen. Sat. Evg., Feb. 15, pop. prices, Lohengrin. Sun. Evg., Feb. 16, Last Sunday Concert.

SANFORD'S THEATRE. 31st st. & 3d ave. Mats. Tues. & Sat. Charles Frohman's Co.—CHARLEY'S AUNT.

PEOPLE'S THEATRE, H. C. Miner, Prop. Wednesday—Matinee—Saturday. ON THE BOWERY. STEVE BRODIE AND BIG COMPANY.

PALMER'S THEATRE. BEGINNING TUESDAY, FEB. 11. Evenings at 8:10. Saturday Matinee, 2. FOR THE CROWN.

NEW IMPERIAL MUSIC HALL. Great Variety Show and Ballet. REDUCTION IN PRICES. MATINEE TO-DAY. Admission 25c. Reserved Seats, 50c.

COLUMBUS THEATRE. Evgs. at 8:15. Mats. at 2. Lincoln's Birthday. HUMAN HEART.

AMERICAN THEATRE. Matinee Saturday. Reserved Seats, Orchestra Circle & Balcony, 50c. THE SENSATIONAL SUCCESS. BURMAH.

PASTOR'S CONTINUOUS 20 and PERFORMANCE, 30 cents. 12:30 to 11 P. M. Come any time. Big show.

ACADEMY OF DESIGN, 23d st. and 4th av. Second Week, 29th Annual Exhibition of the AMERICAN WATER COLOR SOCIETY. Open weekday and evening. Admission 25 cents.

EMPIRE THEATRE. Mats. Wed. and Sat. Evenings at 8:15. EMPIRE THEATRE COMPANY. THE STRONG PLAY, A WOMAN'S REASON.

ICE PALACE. SKATING DAY & NIGHT. LEX. AVE. and 107TH ST. SKATING TO-DAY AT 2. TO-NIGHT AT 7:30.

GARRICK THEATER, 35th st., near Broadway. Evenings at 8:15. Mat. Sat. Richard Mansfield, Lessee; Chas. Frohman, Mgr. E. M. AND JOSEPH HOLLAND. A SOCIAL HIGHWAYMAN

BROADWAY THEATRE. Evg. 8:15. Mat. Sat. 2. THE FAMOUS BOSTONIANS. SUMPTUOUS REVIVAL. ROBIN HOOD.

GAIETY THEATRE, Broadway and 29th st. JOHN B. ROGERS, LESSEE AND MANAGER. CONTINUOUS VAUDEVILLE. 20c., 30c. NO HIGHER. 12:30 to 11. CONTINUOUS CONCERT Sun. from 2 to 11 p. m.

HERALD SQ. THEATRE, B'way & 35th st. DAVID BELASCO'S THE HEART OF MARYLAND. Special Souvenir Mat. Wed., Feb. 12. REGULAR MATINEE SATURDAY.

STAR THEATRE, B'way & 13th st. Res. Seats, 25c., 50c., 75c. THE WAR OF WEALTH.

ACADEMY OF MUSIC, 14th st. & Irving pl. LAST WEEKS THE SPORTING DUCHESS. Mats. Wed. & Sat., 2. Eve. at 8.

GARDEN THEATRE, Madison Square. ENORMOUS SUCCESS OF CHIMMIE FADDEN.

GRAND OPERA HOUSE. Mats. Wed. & Sat. THE GAY PARISIANS.

THE LEGEND OF FAUST AGAIN.

Nordica Sang in Berlioz's Musical Story at the Metropolitan.

Owing to its success last Sunday "La Damnation de Faust" was repeated at the Metropolitan Opera House concert last night. Mme. Nordica sang Marguerite's part instead of Mme. Clementine deVere Sapio, who was heard last Sunday. Mr. Lubert was Faust, M. Castlemary, Brander and M. Plancon, Mephistopheles.

Hector Berlioz's dramatic legend was again superbly rendered. Faust's reverie, interrupted by the dance of the peasants and march of the troops, was melodiously set forth. Later one could almost feel his sensations as he is on the point of draining the poison vial, but is deterred by