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*The Silvery Veil of Winter
In Seneca Park*

Standardizing Overhead Line Construction

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It is usually very important to do almost anything the best way. In engineering practice this idea may be broadened. For example, a number of equally good ways may exist for mounting a transformer on a pole, but it is of the utmost importance to adopt, so far as possible, the best method of installing it. In a large company with extensive activities and a broad scope the importance of this idea is multiplied a thousand fold and the expenditure of more time and money on details is

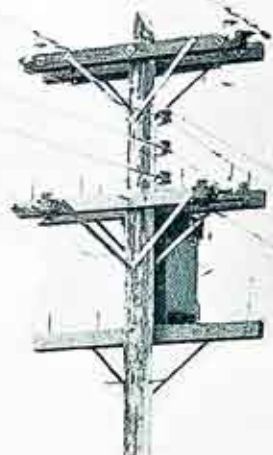
therefore justified. This practice is commonly known as standardization and it is the purpose of this article to show its importance in company construction practice and briefly to indicate what has been done in this respect in the construction of the Company's Overhead Electric Distribution lines.

In order to determine and put into effect the best practices of line construction, there must be a direct coordinating medium between everyone interested in the problems of the industry. Magazines, technical papers and activities of electrical associations all serve this end. Within the company itself it is also of prime importance that a direct connection

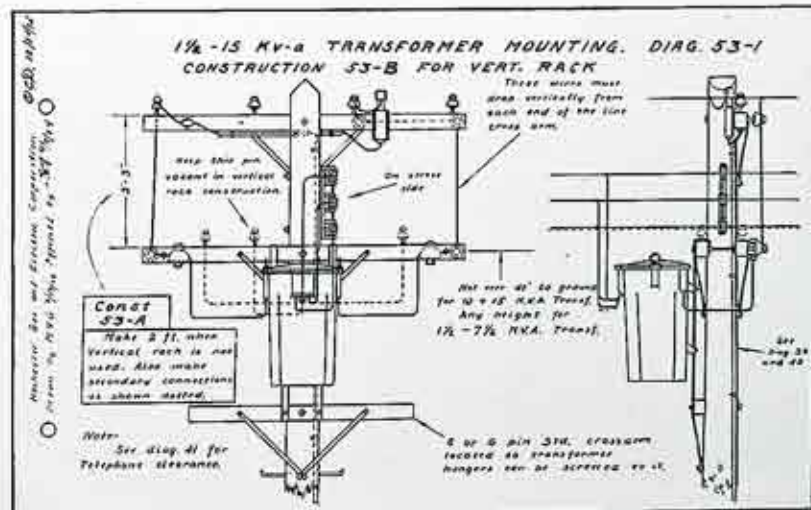
exists between the trained technical talent and the experienced construction men making the installation. Relatively few men are necessary in a small company to carry on the work, so direct supervision can be effected quite easily. However, as the company grows and more men are required, specifications become more important and serve as the interposing medium for gaining efficiency.

Through the use of these specifications there is a marked centralization of authority and responsibility in the engineers formulating the standards and the construction men making the installation. The installation is thereby favored by having the best construction practices of the industry as well as first-class workmanship put into it. The type of construction is not only influenced by the experiences of the individuals doing the work in this Company but by those of individuals in all active companies. New employes, through standardization, are afforded a correct guide for the per-

formance of their duties and can more quickly adapt themselves to the work, likewise the harmful effects of a multitude of less efficient methods are also avoided. If, however, a certain method is found superior to the



Line trucks are equipped with sufficient materials to make possible emergency installations. These linemen, Messrs. William Shears and Roy Mahey, are making up the anchor guy illustrated on the last page of this article.



The transformer at the top of page was installed in accordance with the above diagram which details a typical transformer installation. The material required for the job is listed on a supplementary diagram in the Standard Construction Book which contains 30 such diagrams.

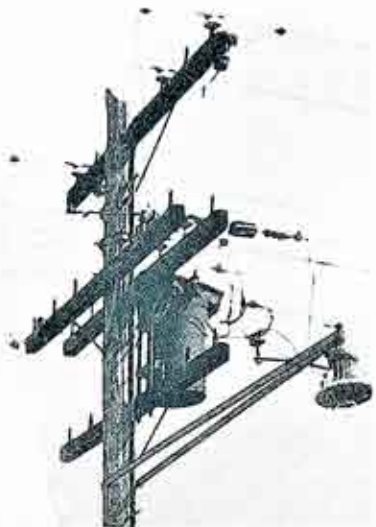
standard it can be adopted by revising the specifications, all installations being thereby benefitted.

In this connection the Company has issued a set of standard construction diagrams, consisting at the present time of about 80 prints put up in book form. The diagrams are on 4-inch x 7-inch sheets and show the standard practice which shall be followed in cable pole, dead end, secondary and joint pole construction, methods of installing guys, switches, transformers, making transformer connections, etc. Each line gang and contractor doing this type of work is furnished with a book containing these prints, which are bound in aluminum covers.

These specifications aid the Company very materially in accomplishing the primary aim of all Public Utility Companies which is three-fold: To provide reliable service to its consumers, to insure safety to its employes and the public, and to accomplish these results in an efficient and economical manner. In



The Standard Construction Book is also used in the field for inspecting and installing jobs. Mr. James Cooper, a company line inspector, is shown checking up the installation shown at the top of this page.



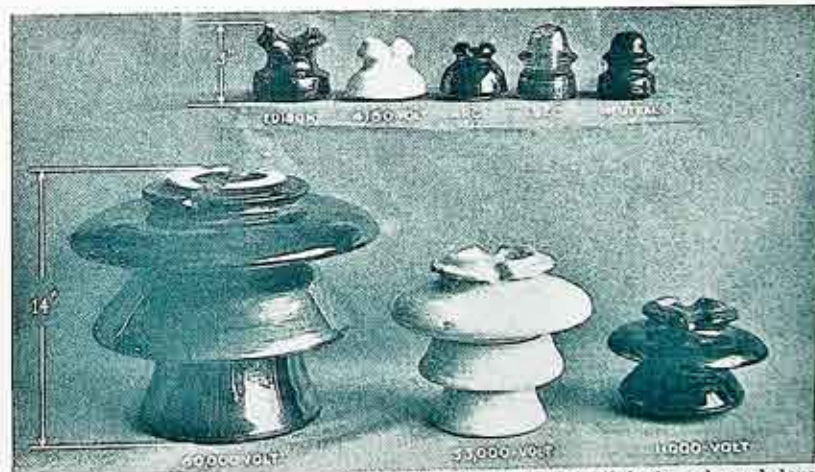
making the standard drawings these three factors are constantly kept in mind with the idea of obtaining a proper balance between them. In general, this justifies better construction with a slightly increased cost. For example, the lower maintenance cost and less frequent replacement balances the increased expense of galvanizing, which is but a small percentage of the total cost of a job, particularly when labor expense is included; consequently all line hardware is now galvanized.

Partly as a result of past experiences in this and other companies, the construction has been improved in some cases purely from a standpoint of safety. For example, to insure the safety of men operating high voltage pole top switches, the switch frames are grounded, insulating links are installed in the operating rod running down the pole and the operating handle is also separately grounded. Ground wire is completely surrounded by oak insulating moulding over its entire length of attachment to the pole and crossarm, so that pole hardware and guys will not

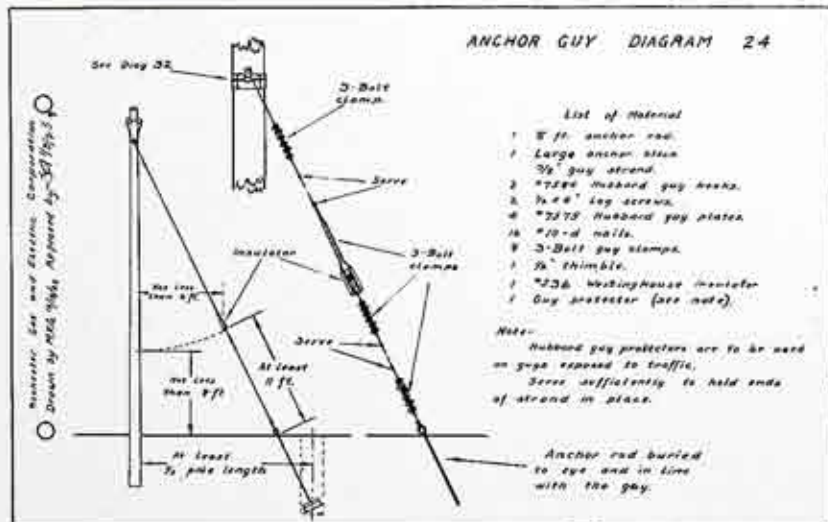
come in contact with it and become grounded. This obviates the possibility of a lineman getting a direct electric shock from a live line he may be working on or accidentally come in contact with, while supported by a grounded guy or crossarm brace. If a live wire should break it may fall on a guy wire which runs to a tree, a telephone pole or a company pole, or perhaps to an anchor. Under these conditions the guy insulator may be the means of saving the life of a person who may unknowingly touch the live guy. In this connection the Company has been foremost in adopting wet process porcelain guy insulators for all of its guys. The insulator used is mechanically stronger than the old dry process type and will withstand four times the voltage before flashing over.

The use of the small construction diagrams as illustrated on the following page effects a considerable financial saving through many different channels. Plans, work sketches, estimates, bids, and the work itself are more easily, accurately and quickly made because of them. The time and labor thereby saved effects a direct finan-

cial gain in many different ways. For instance, construction men become more familiar with the standard material and standard methods of performing specific jobs; this in turn better facilitates the application of unit costs to estimates and bids and by further removing the element of chance enables the contractors to do the work at a uniform and somewhat lower cost, at the same time making a reasonable profit. Lists of material can be more quickly and accurately made for estimates and the proper kind and amount of material will be received in the field. The inspectors have something definite upon which to base their work and things peculiar to the particular installations are more noticeable and can be given more consideration. The drawings promote intelligent discussions and serve as a standard of reference. In making work sketches, abbreviations and reference to diagrams, indicate in detail and in a method understandable to all concerned just what should be done. This quick understanding and common language, as well as the other factors mentioned in this paragraph,



Line insulators for various uses are easily distinguished on the line by their size, color and shape. The dimensions indicated are only approximate.



A reduction of one of the 4-inch by 7-inch sheets of the Overhead Construction Book is here shown. A complete material list accompanies the drawing.

not only hasten the completion of the work for new consumers but also facilitate doing the work at a lower uniform price agreeable to all parties concerned.



Testing a small concrete anchor block and a six-foot rod. 9,000 pounds was sustained in sand with only a two inch outward creepage. Fourteen similar tests were made of various type anchors placed around the pole shown above. Employees shown here are Messrs. Leon Atkinson and Charles Bruman.

The uniformity of construction which is gained by the use of standard material and standard methods of installing it is also one of the channels through which the maintenance as well as the construction costs are lowered. After a line is built, the importance of keeping it in operation arises. Here the "trouble men" make their appearance. They usually work under most unfavorable weather conditions and often in the dark of night. In making diagrams the convenience and safety of the men working on the poles under such circumstances is carefully considered.

Uniformity such as standard transformer installations and insulators distinctive in color and shape enable workmen to more quickly grasp unusual conditions which may be causing trouble. Consider a probable circumstance of a broken wire hanging from a maze of other wires running in all directions and on unrecognizable insulators. If these wires had been properly placed and distinctive insulators used, the situation would not only be less hazardous but an



These three men, Messrs. Roy Maken on the pole, Edmund Tompkinson and Bernard Cahill, are installing an anchor guy in accordance with specifications shown in the diagram on the opposite page.

important consumer or a group of consumers, perhaps a factory, may be restored to service more quickly.

Particularly in times of trouble, when a storm is

playing havoc with overhead lines and the gangs are busy restoring service, it is very important to have the necessary material on the truck, thereby eliminating a special trip to the Company's storehouse or the use of a poor substitute. Not only would consumers be out of service but the entire gang would be idle while the special trip is being made. The use of a poor substitute may prove equally as serious in the long run. To meet this condition a supply of bolts, nuts, insulators, clamps, etc., is carried on the trucks. Because of space limitations this supply is small in variety and quantity, so it is very important to know how much material is required for a job, a transformer installation for instance, and have that material on the truck before leaving the storehouse. It is mainly for this purpose that the material list is put on each standard construction drawing, as illustrated on the opposite page. By the use of these lists orders can be quickly and correctly made out and the proper material obtained. In making the standard drawings special effort is

made to keep the items of various kinds of material required to a minimum. This is in accordance with the general policy for stocking material, which is to stock as few varieties as practicable, there by making it easier to have asufficient supply at all times.

When selecting particular types or grades of material or when determining better methods of construction, comparative tests may be necessary. Such tests may vary from a simple absorption test made by placing porcelain insulator chips in a desk ink well for a definite time and noting the relative penetrations by breaking the chips, to more costly tests such as testing pole anchors in the field as previously illustrated in this article. A detailed discussion of these tests or their importance is beyond the scope of this article. However, it is of interest to note that they are closely interlinked with the construction book which is the medium through which conclusions drawn therefrom may readily be applied.

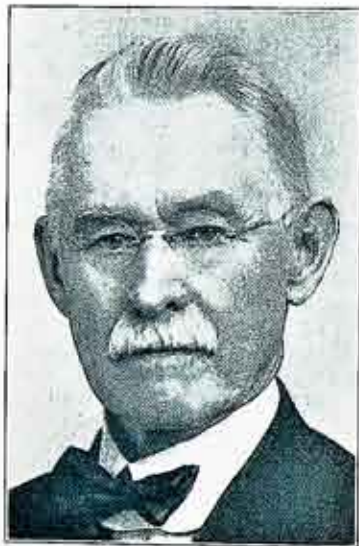
In conclusion it can be said that as a result of the overhead construction methods now used by this Company and set forth in the standard construction book, we have stronger lines, better and more safely built than ever before. The lines are constructed for many years of reliable service in a most economical manner.

In the small center cut is shown a wet process guy insulator used as a safety precaution on all Company guy installations. The first illustration of this article shows this guy being made up.



Mr. Edwin A. Fisher Retires From Active Service

AFTER thirty-three years of outstanding service to the City of Rochester, Mr. Edwin A. Fisher, Rochester City Engineer for many years, Consulting Engineer since 1913 and Superintendent of City Planning from 1917 to 1924, retired from active service on December 30, 1926. This event, which focused the attention of the entire City on the outstanding accomplishments of one of Rochester's most faithful and useful public servants and benefactors, reached its culmination in a testimonial dinner in Mr. Fisher's honor, at The Chamber of Commerce, on Thursday evening, December 30th.



Mr. Edwin A. Fisher, who recently completed thirty-three years of public service in Rochester.

Because The Company greatly appreciates the kindly and efficient treatment which has always been accorded this community by Mr. Fisher in his capacity as an official of the City, and because it believes the service he has rendered is invaluable, we take great pleasure in presenting some of the details of Mr. Fisher's most interesting career.

Mr. Fisher was born on July 18, 1847, at Royalston, Massachusetts, where he received his preliminary education in the common schools; at the New Salem and Bernardston Academies, the equivalent of present-day high schools; and at the Westfield State Normal School. He taught school for five years in his home state, begin-

ning his teaching career in the district schools, where the school year then comprised two terms, the Fall term and the Winter term. This gave Mr. Fisher ample opportunity, during the rather lengthy summer vacations, to follow his bent for engineering, an item which we shall mention later.

During his teaching experience in the district schools, where he taught the entire range of kindergarten, intermediate and advanced subjects, Mr. Fisher had ample opportunity to practice initiative, resourcefulness, discipline and diplomacy. He liked

teaching, gave much of himself to it and thereby began early in life to have a fine appreciation for the virtues of service, unselfishness and the development of such qualities as fit one for public usefulness. But he never forgot, during the five long, hard years of teaching, which finally culminated in the Principalship of a graded school, that he would eventually become an engineer.

To this day, Mr. Fisher is a firm believer in the utility of teaching as an aid to building a strong foundation for subsequent, larger work. There are many times, even now, when the odds-and-ends of mathematics which an engineer must have at instantaneous mental call, flash to immediate "attention" in his mind largely because of the firmness with which they were "fixed" there while he was teaching them to others. This is one of the rewards for teaching.

During the summer vacations, which generally lasted for six months, Mr. Fisher hired out where he could utilize his gradually increasing engineering knowledge. He became proficient as a rodman, a surveyor and a construction boss even before he left teaching. Most of his engineering experience and later work in Massachusetts and New York was as a railroad employee, that ample engineering school than which there are few better.

In April, 1871, Mr. Fisher began work with The Holyoke and Westfield Railroad. He could have begun this work a year earlier but had promised to take a school and felt he must keep his promise. During his first railroad construction work, as well as subsequently, he continuously pursued his engineering studies. He combined study with hard work in the school of experience. One of his early tutors in this connection was the Chief Engineer of The New Haven and Northampton R. R., with whom he studied before leaving the profession of teach-

ing. Mr. Fisher subsequently had charge of a division on this "road."

From 1875 to 1879, Mr. Fisher was an employee of the County of Hamden, and constructed for it two bridges over the Connecticut River, at Springfield. Just preceding this work, he had charge of the water supply for the city of Westfield, Mass., and in 1879, he was engaged in flood prevention work, at Westfield, Mass.

During the year 1881, Mr. Fisher was the principal assistant in the construction of an extension of the New Haven and Northampton R. R., and in the latter part of that year, he came to Mr. Morris as principal assistant in the construction of the Genesee Valley Canal Railroad, now the Pennsylvania R. R. branch serving Rochester. After having finished this work in 1883, he did location work with the Western New York and Pennsylvania Railroad and shortly afterward was appointed Division Engineer in charge of Maintenance of Way for that railroad, a position he held till September, 1889.

In September, 1889, Mr. Fisher became Superintendent of the Pittsburgh Division of The W. N. Y. and Penna. R. R., with headquarters at Oil City, remaining in that capacity till June, 1893, when he came to Rochester as principal assistant to Mr. Emil Kuichling in the planning and construction of an additional water supply for Rochester. Three years of Mr. Fisher's time were devoted to this project and, in June, 1896, he became City Engineer of Rochester, a position he held till January 1, 1914, when he became this City's Consulting Engineer. He remained Consulting Engineer until his recent retirement.

From 1901 to 1913, Mr. Fisher was a member and Secretary of the Public Market Commission, which planned, constructed and operated Rochester's fine new market until 1915, when it was turned over to the Commissioner of Public Works. From June 1, 1918

to Jan. 1, 1924, in addition to his other duties, Mr. Fisher was Superintendent of City Planning. During Mr. Fisher's tenure of office, Rochester added to its physical properties the Cobbs Hill reservoir, its new water supply system, its modern sewage disposal plant and an additional Hemlock conduit. Mr. Fisher was very active in the construction of the new Subway and has been the guiding spirit in synchronizing Rochester's phenomenal growth with her ideals for civic beauty and good taste. In this last connection, alone, the entire City is under obligation to Mr. Fisher's foresight, ability and good judgment.

Mr. Fisher bears his seventy-nine years of life very gracefully and, as Engineer Emeritus at Mayor O'Neil's suggestion, he will continue to freely give of his specialized services for the public welfare. Mayor O'Neil made a glowing speech detailing Mr. Fisher's attainments, capabilities and personal qualities. He struck a key-note, however, when he said: "It is not only about the successful work of our honored guest that I want to speak, but the thing which has always impressed me about Mr. Fisher is his kindly nature and genial manner." We call that a real tribute.

There is plenty of sparkle still in Mr. Fisher's kindly eyes. It is noticeable when he brings to memory the early days, when, for instance, as a young man, he bid-in the job of caring for the church he had been attending in Royalston, Mass. He swept it out regularly, built and maintained the fires in winter, dusted, filled the lamps, rang the bell and did a lot of other incidental work for the wonderful sum of \$5.25 per year. But, "It was my bid," he said, "and I was more or less satisfied and did a good job. Anyhow,

that was a lot more money in those days than it is now."

Mr. Fisher's career, it seems to us, is one bubbling over with inspiration for young men who have some worthy goal ever urging them on to do their best. He kept everlastingly at it; he worked hard. Even a job that paid him but a little more than five dollars a year demanded his best effort and gave him an opportunity to serve a lot of good "folks," and make friends.

The perseverance with which Mr. Fisher stuck to his original intention of becoming an engineer, and made every job he took contribute something in experience to that end shows his ambition, perseverance and tenacity. These attributes, along with his intellectual capabilities, experience, inspiration for his chosen field and his ability to get along well with others made him an especially valuable man for the big jobs Rochester had waiting for him thirty-three years ago.

And Rochester is fortunate in having had woven into its progress and growth the product of thirty-three of the best years of Mr. Fisher's active life. We are glad that he still will be with us and that this City may depend upon him for advice and council. We join with Mr. Fisher's army of friends in wishing for him many more years of health and usefulness.

Mr. Fisher is a member and has been an active and enthusiastic worker in the following organizations: The American Society of Civil Engineers; The Rochester Engineering Society; The American Society of Municipal Improvement; The American Waterworks Association; The New England Waterworks Association; The American City Planning Conference; The American City Planning Institute and other state and local City Planning organizations.

health and happiness of humanity. It is better to take five minutes longer to drive home or to our work than to continually tempt fate and run the gauntlet of death.

Carelessness in driving is but a habit. Let's not let it grow upon us. Rather, let us continue to drive sanely and habitually observe the precautions which we all fully understand but with which we sometimes gamble.

If we do this, we need not be overawed by the dark, stormy and slippery days and nights which characterize this time of year. Sane driving will soon develop a confidence which the most treacherous night may not assail. Unless we have this confidence in ourselves we are bound to be a menace to others. Why not take inventory of our ability as drivers and begin the New Year with an idea of developing such qualities as our analysis shows us we need to qualify as sane drivers.

We Must Have Comedy

"A man without mirth is like a wagon without springs, in which one is caused disagreeably to jolt by every pebble over which it runs."

—Henry Ward Beecher.

SELDOM do we stop to reflect upon the part comedy plays in our lives. From infancy to old age, throughout every stage of development and decline, laughter has a stellar role and comedy is one of its principal vehicles.

Everything possible is done to attract, interest and amuse an infant, to make it smile. And Dad, Mother and the children all help, their antics comprising an example of true comedy. From the very beginning, we have to be taught to appreciate comedy.

As we get older, we seem to forget the virtue of comedy. The rush of business responsibilities drives laugh-

ter from our lips; frowns supplant the smiles of childhood, unless we watch out; and if we are not careful we become eligible to the long-faced gentry, who are anti-everything.

However, we never become independent of comedy. We always seem to need it, and therefore we support with our keenest enthusiasm those mediums which supply us with liberal doses of it to sweeten the lack-lustre, more tragic elements of existence.

The "Movies" cash-in on this human tendency. Producers make a study of amusing us. Like the masters of ancient literature, they give us liberal portions of comedy even with the tragedies which they present for our approval. And they are wise.

Comedy is radiant and shines, by contrast, most conspicuously after the fog of despair or the formality of dignity. And as life is like a play, comedy has a place in our every-day existence.

And in business as well as in most every other sphere, comedy is frequently the sugar coating which helps us to swallow, without grimaces, the more serious things of life which are sometimes not so palatable.

The Bible tells us that "A soft answer turneth away wrath;" but the addition of a little comedy, a good laugh, and the clearing of an embarrassing atmosphere does even more than that. It is not only defensive but is also actually aggressive in obtaining constructive results. Abraham Lincoln was a master at this, and many other big men in history have utilized comedy to make friends and to win causes.

An embarrassing situation is easily controlled by the injection of comedy; the disciplining of children is often made less strenuous by parents who succeed in supplanting tears, frowns or open mutiny with the laughter that applied comedy can bring forth. In fact, a reasonable amount of comedy has a place in almost every phase of life,

and it would appear that comedy is a shock absorber which helps us to ride over the rough places of life without unnecessary jolting. It helps to "put

over" worth-while ventures, keeps us even-tempered and has a tonic effect upon us which helps to reduce the unnecessary tragedy of life.

A Busy Mother Exemplifies the Christmas Spirit

DURING the Holiday rush, many circumstances occur to cut down rather than boost the confidence of many public servants in the spirit of peace on earth, good-will toward men.

In the hurry and bustle characteristic of this seasonal acceleration of business, most of us vibrate just a little faster than we do normally, during the saner weeks of the year. The result is that while we have plenty of good wishes for the world at large, sometimes we forget to be as patient as we ought with those with whom we come in contact, in business.

The Holidays are a test and an opportunity as well for most of us; and often we come out of the ordeal on merely a fifty-fifty basis, having just about 'held our own' so far as the little courtesies of life are concerned. Sometimes, our record is not so good. "Behind the counter" comprises an excellent vantage point from which to study human nature and character. And we hold no brief for clerk or customer. In the field of Public Relations there is ample room for improvement for all of us.

Public servants get the bitter along with the sweet, just the way it happens almost everywhere else in the world. And after having received a 'jolt' from some person who has an imaginary or a real grievance, a cashier may next encounter one of those poised and wholesome characters who seem to take delight in compensating the world for its 'bad breaks'.

The thoughtfulness of one woman customer of The Company, it appears, is a bit unusual in its plan of presentation. This woman, a mother in very humble circumstances, sent in her little boy with money to pay an overdue gas and electric bill. She had received The Company's customary notice of an overdue account, but it did not annoy her and in expressing her concern at not having paid her bill on time, she made everyone in the cashiers' cage very happy.

The following message was handed in at a window of the 'cage' by one of the children of this foreign-born mother. While we had to edit her 'copy' somewhat, her spirit of good-will was one-hundred percent. In almost every nook and cranny, there are to be found such persons as this thoughtful customer. Her action is a challenge to all of us. Perhaps we, too, could sow more good cheer than we sometimes do, to say nothing of the times we are actually luke-warm to customers or friends.

Translated from broken English, the letter reads:

"I am very sorry I was late in getting back home, after having been out of town. I just returned last night at seven-thirty o'clock, and found your letter awaiting me.

"I was glad you reminded me, for I have been very busy with the children and had forgotten. I am sorry and wish to thank you for your courtesy in reminding me.

"Please let me wish you all a Happy New Year, and the best of health."

"Rocky" Pays His Gas Bill

OUR canine friend shown in the accompanying snap-shot reproductions is "Rocky," as the highly polished brass letters on his harness indicate. "Rocky," and his master, Mr. Glen D. Rockwell, owner of a restaurant at 235 North Street, came in to see our new office building some days ago.

Of course, we are proud of our new building, but you should have seen the pride exhibited by 'Rocky,' and his master as well, when the former walked along the Main Floor approach to the Cashiers Department, with a pipe held firmly in his mouth. 'Rocky' walked right up to the cage, and after his master had taken the pipe, he held a gas bill in his mouth, together with some currency, and stood up on his hind legs while Miss Neuhierl took it and receipted it. Then he poked the bill back into the pocket of his master's overcoat.

During the progress of this informal exhibition, many persons on the Main Floor came over to see the fun, and in the excitement Mr. Rockwell dropped

a dollar bill; but 'Rocky' observed it on the floor and picked it up and took it to his master. Then 'Rocky,' at his master's wish, listened in on the radio for us and did many other cute things, all of which pleased everyone very much.

And as a reward for what he did, we took 'Rocky' out in the yard and photographed him. Strange to say, the next day 'Rocky' was stolen from his home and was away for a number of days. His master had just arranged to publish his photograph in the papers when he came trailing in, very happy at getting home again.

'Rocky' looks like a German Police dog, but his master says he is just an ordinary 'dog'; he calls him a mouse hound. But don't tell 'Rocky' this for it might make him feel badly. He thinks he's an aristocrat; and as he acts like one, why spoil his happy dream. At least he's a wonderful dog.

Mr. Rockwell's business card details that there are: Two Good Places to Eat! At Home and at Rocky's Lunch. And as they are both Home to 'Rocky' he is pretty well satisfied.



"Rocky" doesn't use tobacco but he likes his pipe. See how thoughtful he appears.



"Rocky" Poses for us, holding in his teeth his master's receipted gas bill.

A Canoe Trip in Northern Ontario

EDWARD A. ROESER

THE out-of-doors has a strong appeal for a large number of people. It is generally conceded that a vacation spent in the open, away from the comforts and conveniences of modern life, fortifies the body and mind, and it is surprising that more do not avail themselves of the opportunities presented to visit the forests and streams in search of health, relaxation, diversity and pleasure. The writer has spent many vacations in the north woods of Ontario near the Height of Land, where the waters either drain to the south to the Great Lakes drainage basin or to the north to Hudson's Bay. Chief among the claims to interest one in the selection of this territory is its profusion of interconnected lakes, an untouched pine clad forest, the French pioneer and half-breed Indian, the lure for gold and finally the rather rapid penetration of enterprising capital in the exploitation of the abundance of natural resources.

This particular trip was taken in the firm conviction that a rapidly waning physique might be rebuilt. Rest, fresh air, good food and complete relaxation were the elements recommended. A three months' trip was planned with the writer's wife attending to the routine and directing our genial 220-lb. Ojibway guide in performing the duties incidental to camp life. Since Hudson's Bay Posts are the corner grocery stores and they are a few hundred miles apart, it was necessary to be sure that three appetites could be satisfied for twenty days or more. How we wished we did not have to sleep or eat, when a portage was reached! Some fifty portages were made varying in length from a hundred feet to two miles with pleasant diversity in contour and composition of trail.

Fishing, hunting, shooting rapids and encountering the unexpected always furnished plenty of diversion from the routine duties of camp life. The less tangible appreciations came

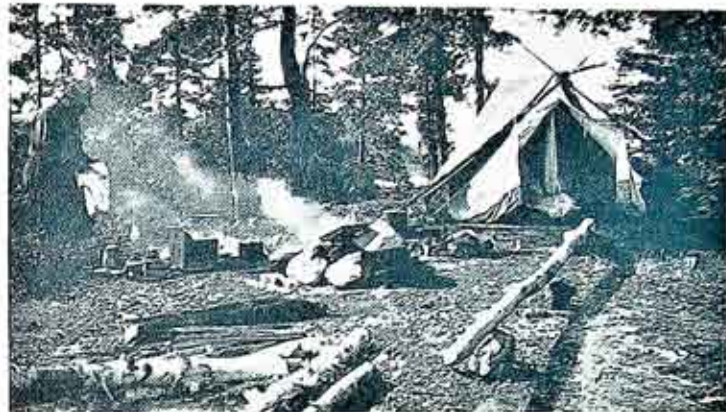


Fig. 2: All the conveniences of home in the heart of the Temagami Forest Reserve.

in the ever changing scenes, produced largely by variations of sunlight, clouds, rain and wind. Fish formed the principal item of diet, therefore this pleasant sport had to receive serious attention each day. Bass, salmon trout, trout, and pickerel served in turn to satisfy our tastes.

The pursuit of larger game in the water formed a type of sport which we indulged in whenever opportunity presented itself but the difficulties of securing evidence with a camera are many. The young bull moose in one of the snaps, taken by Mrs. Roeser, is

shown with a touch of feminine pride to emphasize this point and that we men enjoy the thrills of forest life.

A total of approximately 1500 miles was covered in an 18 ft. canoe laden with all that man requires in a primeval forest. Day after day our camp was made at a new point, preferably on some lake, for the river banks are usually muddy and waters swampy. The thrills of white water in the rapids however are always enjoyable and, like much else in the woods, are ever new. To touch the pioneer life of this country one needs only to familiarize



Fig. 1: A western view of the pine clad islands of Lake Temagami from Rangers lookout, Bear Island.



Fig. 3: Cow Moose being pursued by the excited canoeist. One of the ways of conserving our game resources which possesses all of the "kick," even more than the hunter gets.

himself with the traditions of the backwoods French. Dr. Wm. H. Drummond has immortalized these people in his poems, as hunter, farmer, lover, riverman, canoe man and prospector. To those who are acquainted with French Canadian dialect a reading of these poems holds a store of humor and pathos. There is something in the lives of these people that is worthy of appreciation, and contact is the best method to become aware of it and love it.

The industrial side of the country is most spectacular, especially in connection with the mining of gold, silver, copper, cobalt and nickel. The romance of these enterprises is not only captivating and thrilling but causes one to



Fig. 4: Papoose enjoying comforts of early life on the "Chinada Road." Note the heart shaped holes to give an artistic appearance, the irregular wood strip for mosquito netting and the laced moosehide cover.



Fig. 5: Young bull moose after a speedy swim across a lake near the Height of Land. He is tired and so were we but if you like sport try this where wild life has a chance with man.

reflect and note the price that must be paid for progress. Nature exacts a toll in energy and brains that baffles those of us who are accustomed to more orderly procedure in the affairs of daily life as experienced in our cities. The lumber, paper and pulp industries are full of interest with their problems of extreme complication. However, the water power in this land is the key to the exploitation of these resources and the engineer has been the beacon light in the solution of the many problems.

This article briefly sketches the lure of the North woods for us, and by further acquaintance from time to time it is hoped that more may be learned of this great treasure house to bring comfort in reflection and continued stimulation to health regained.

Au Revoir, Not Good Bye, Said to Mr. Earle

MR. WILLIAM EARLE, who recently severed his relations with the Company after seventeen years of effort in its Gas Department, was honored by his associates at a dinner held at The Rochester Club, on Saturday, December 1st.

The occasion was an enthusiastic godspeed to Mr. Earle, who recently went to New York to live, having accepted the management of the New York office of the nationally known Koppers Company. While such functions as the dinner tendered to him usually come under the classification of farewell events, this one was more in the nature of a sympathetic au revoir to an esteemed fellow associate, who has grown too big for his job.

This circumstance would be more appropriately expressed by saying that Mr. Earle, as Mr. Searle expressed it in substance, has gone into a larger field of possibilities, one which will make it possible for him to be of a much broader utility to the gas industry in this country. As head of the Koppers' Company's metropolitan headquarters he will still be indirectly connected with many of the Company's projected and prospective gas activities, and his expert services will without question leave the stamp of his excellent judgment, experience and executive ability upon the present high-standard activities of The Koppers organization.

Therefore, no good byes were said at the dinner in Mr. Earle's honor. It was an enthusiastic get-together, as one of the employees of the Gas Department put it, and it served especially to show the excellent spirit of cooperation and friendship that Mr. Earle, as Superintendent of Gas

Manufacture for the Company, helped to develop.

Mr. Earle surrounded himself with a high-class organization, each member of which has felt the pulling influence of 'Bill' Earle's sterling personality. His particular field of operation at West Station is therefore left in good hands. His former post as Superintendent of Gas Manufacture was delegated by The Company to Mr. Alexander Beebe, whose broad Company experience and tuition under Mr. Earle qualifies him for his important work.

At the dinner Mr. Searle presented Mr. Earle with a handsome Gruen, Ultra Verithin watch, and a chain and spoke very warmly of the esteem with which The Company held Mr. Earle as an expert in his field, and of his personal qualities which are known to his hundreds of associates.

Another gift which Mr. Earle showed proudly to friends was a beautiful merchaum pipe, a token of the esteem of West Station Shift Men.

Because human beings are inclined to be selfish, we all hated to lose Mr. Earle. We will miss him a lot, all of us. But we like to think that our loss is a contribution to his enlarged scope of service. We know that he also sacrifices much to leave his home town and friends.

Mr. Earle will attack his new work with the confidence that must of necessity come from a consciousness of years of intensive study, preparation and practical experience.

If the respect and good wishes of friends count for anything, Mr. Earle will gracefully pass through the ordeal of transition from one field to another, which is never easy. We join in wishing him happiness and prosperity.

Mr. Russell Appointed a Director of the Lincoln-Alliance Bank

THE Company's Vice-President and General Manager, Mr. Herman Russell, was recently honored by an appointment to the Board of Directors of the Lincoln-Alliance Bank, of Rochester. This appointment bespeaks the confidence the Lincoln-Alliance Board has in Mr. Russell's general fitness for this important work and the responsibilities it will bring to him.

Mr. Russell has ever given bountifully of his time and talents to civic work, and has also been actively identified with social and club activities.

He was Chairman of the Utility Division of the Community Chest for two years; he is a first Vice-President of the Chamber of Commerce, having also headed many special committees in that organization, and is a Director on the Board of Governors of The Oak Hill Country Club.

Mr. Cadle is Chairman of C. of C. Convention Bureau

MR. Charles L. Cadle, The Company's Assistant General Manager, was recently appointed Chairman of the Convention and Publicity Bureau of The Rochester Chamber of Commerce.

Mr. Cadle, who will succeed Mr. Frederick J. Odenbach, was appointed to head this important Bureau by Mr. Edward A. Halbleib, President of the Chamber.

Mr. Cadle will be assisted in this work by the following members of the Chamber. Messrs. Carl S. Hallauer; M. J. Farrell; Fred B. Persse; E. Frank Brewster; John Connors; E. J.

Scheer; William H. Healy, Frank B. Rae; Fred J. Odenbach; George J. Barnes; John P. Boylan; Arthur P. Kelly; Arthur J. Messner; William F. Stanton; Fred J. Zorn; Roy C. Bradstreet; John C. Tulloch and A. H. Neisner.

Foresight of Employee Commended

WIDE-AWAKE employees, who are alert to the detection of accident hazards, often save the Company time, trouble and expense by reporting their findings in time to obviate accidents.

And this same ability to observe is an asset to an employee or to any other person in almost every walk of life. It is apt at any time to be of constructive benefit to an individual, to his employer, to the general public or to some other organization.

An instance coming in the last mentioned category is given herewith through the reprinting of letters concerning the commendable action of Mr. Cosmo Camellio, an employee of The Gas Department, whose thoughtfulness and observation may have prevented a serious accident, on the N. Y. C. Railroad.

THE NEW YORK CENTRAL RAILROAD CO.

Ontario Division
Oswego, N.Y., Dec. 16, 1926.
File—DSC.

Rochester Gas & Electric Corp.,
Rochester, N.Y.
Gentlemen:

On December 14th, Cosmo Camellio, one of your employees, while unloading coal in State Street Yard, discovered a broken wheel on PMcK 61136, and so informed Conductor Nesbit, who cut the car out for new wheels.

We desire to express our appreciation of the action taken by this man

as it is felt that in reporting this broken wheel he in all probability prevented a serious accident.

Very truly yours,
(Signed) C. F. MOYER, Supt.

December 20, 1926.

Mr. Cosmo Camellio,
50 Saratoga Avenue,
Rochester, N.Y.

Dear Sir:

I am in receipt of a letter from The New York Central Railroad Company, copy of which you will find enclosed, which I believe you will find self-explanatory.

The Railroad thanks you for the thoughtfulness which you exercised and I want to take this opportunity to express the thanks of our Company as well.

Yours very truly,
A. M. BEEBEE, Supt.
Gas Mfg. Dept.

Employees Form Basketball Team

Reported by FRANCIS GREEN

BASKETBALL is a popular sport with this company if the enthusiasm shown for the newly organized team composed of Company men is a criterion. The handful of men who turned out for the first game of the Industrial League to trounce Taylor Instrument Company, 20-18, a few weeks ago, has grown into a squad of fifteen to twenty players, and the number of rooters has increased from three or four persons to a crowd sufficient to partly fill the hall at the second game. This game was lost to Menihan Shoe Company by the score of 30-19.

By virtue of this victory and defeat the team stands in second place in the league composed of six teams representing industrial plants in the city.

Inasmuch as no practices were held for these games they are not considered as a full measure of their ability by the players, who feel that they are capable of much more and aver that they will prove it in the subsequent games.

Among the players who have come out to the practices are many with much previous experience. Jas. McConnell, acting captain, and William Stell of the Engineering Department, have played in high school and college; Francis Green of the Public Relations Department, played on the University of Rochester five; Charles Shaw of the Line Department, was a Mechanics Institute star, and Walter Yackel and Chester Kellog of the Line Department, Elmer Knope of the Auditing Department, Eugene Kent of the Engineering Department, Carl Freeman of the General Construction Department and Harold Diamond of the Coke Sales Department all have played on strong independent teams.

Ralph Flood has been elected manager of the team and urges all men who are interested in playing to get in touch with him. Games are played at the C. Y. M. A. hall on Friday nights under the supervision of the H. G. Sternberg Corporation.

Goodwill

Let us not forget that anyone who will visit us, anyone who will call us on the telephone, anyone who will seek our aid, offers to us the privilege of increasing goodwill for the General Electric Company. Let us not throw away that privilege. Let us not rebuff the man who gives us this opportunity.

—Owen D. Young

Electric Cooking Installation at the Chesborough Seminary

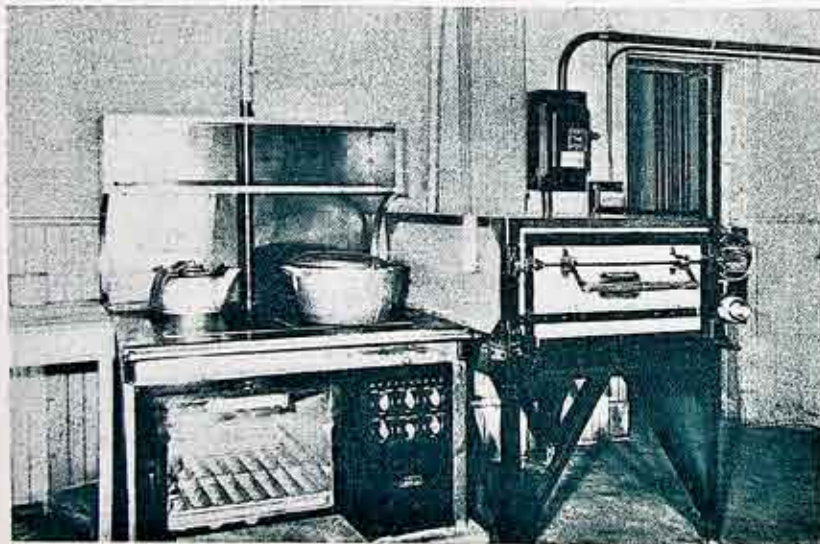
EDWARD R. WARREN and LUCAS S. CAPLE

LUST before the strike of hard coal miners in 1925 the A. M. Chesborough Seminary at North Chili gave its consent to the installation of electric cooking equipment to replace its coal heated ranges. The electric installation consisted of one section of Westinghouse commercial range and a twenty loaf section of automatic bake oven. Figure 1 shows the installation as it stands today. Figure 2 shows the three sections of coal heated ranges which were replaced by the electric range and bake oven.

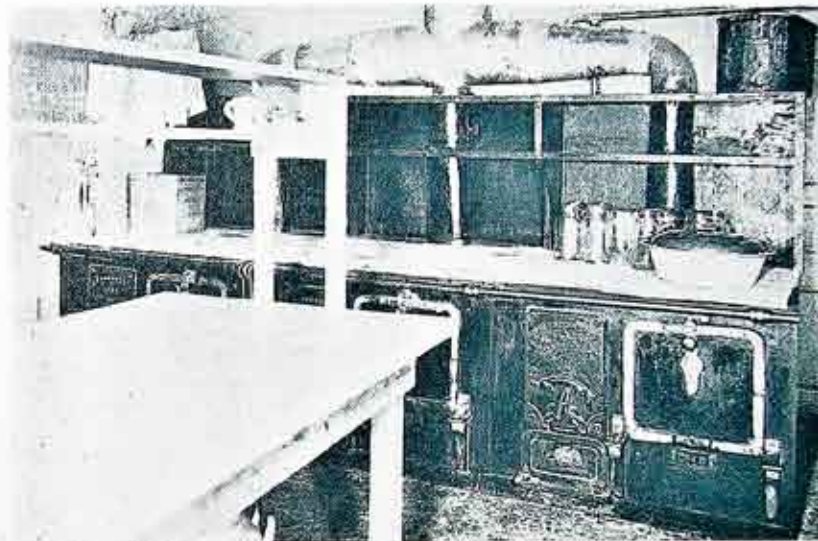
In addition to requiring less floor space than the coal ranges, the electric cooking equipment has enabled the Seminary to provide a cleaner and

more pleasant place in which to do the cooking than was possible with the coal ranges. Then too, experience with this job has shown that the food is more palatable and is cooked with less waste than was possible with the coal ranges.

During the canning season a large quantity of fruit and vegetables are canned for consumption in the winter months. The fruit and vegetables are raised on the farm which is operated by the Seminary and most of the canning is done in vacation time. It does not require a great strain on ones imagination to picture the discomfort of canning all day in a kitchen where three coal ranges are going, during the month of August. No such discomfort is experienced with electricity.



One section of Westinghouse commercial range and a twenty loaf section of automatic bake oven in use at the Chesborough Seminary at North Chili.



The old layout of three sections of coal ranges which required more floor space and was much harder to care for.

At the time the electric installation was made, special meters were installed for the range and for the bake oven. From these meters it has been possible to find exactly how much electricity was used for cooking purposes, as well as determining the load or demand.

Through the excellent co-operation given by the kitchen supervisor, data was obtained on the number of meals served and the menus. From this data and the special meter data it has been possible to arrive at the exact cost of cooking electrically for a fairly large group of people.

The average number of meals served per month during the school year was 4750 and the cost of electricity per meal served was 1.06 cents. The only article of food that is not cooked is white bread and it is purchased from a baker. The average total cost of electricity for cooking was \$50.75 per month which is, according to Chesborough's president, not greater than the cost of cooking with coal.

The maximum operating load of the cooking equipment was 15.3 kilowatts on a connected load of 26.5 kilowatts. During the four winter months, from November to February inclusive, the peak demand, or load from 4 P.M. to 7 P.M. was not more than 5 kilowatts. By operating in this manner the cooks were able to prepare the food at the least cost. The average cost per kilowatt-hour was 3.48 cents as compared to 4.36 cents before the range and oven were installed. The lower rate earned thru the operation of the range and oven resulted in a saving of approximately 20% in the cost of electricity for general purposes.

This electric cooking installation has been in successful operation for a sufficient length of time to demonstrate the very desirable features of cooking electrically in institutions as well as to show from actual experience that the operating cost is reasonably low. This installation is another example of the benefits that come to a rural community in which electric service is available.

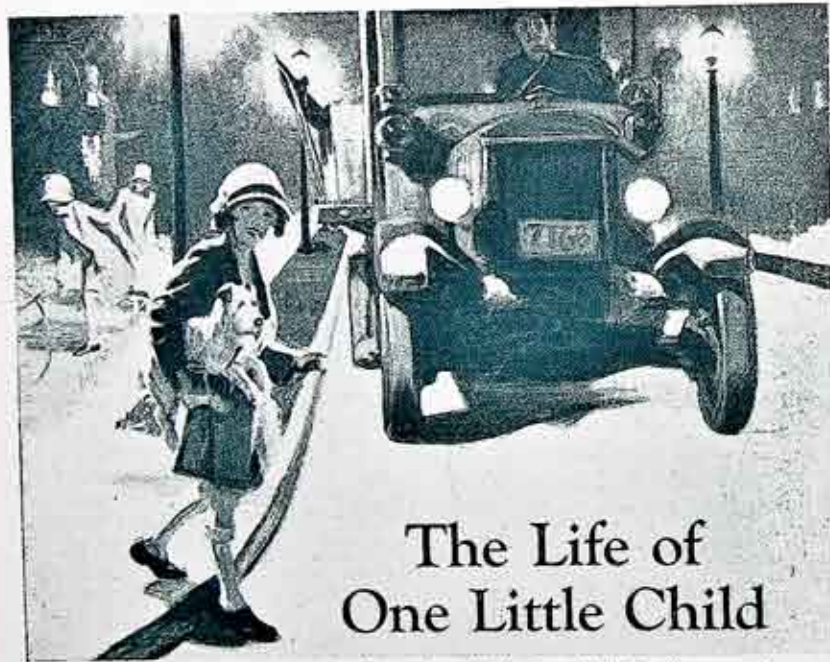
New Street Lighting Fixtures Installed in Pittsford

PHILLIP E. THOMAS

IN discussing safe night driving, an ardent motorist spoke of the remarkable change in street lighting in the village of Pittsford. "I come through Pittsford quite frequently in the evening and I have never taken particular notice of its lighting until one night last month when its brightness caused me to shut off my headlights and put on my dimmers. My bright lights suddenly seemed unnecessary."

This remarkable change has been brought about by the installation of

new street lighting fixtures on all of the main streets. There are 92 new lighting standards to replace 18 old style fixtures. The new lights consist of 77 class O, 200 candlepower lamps mounted on concrete standards and 15 class S, 400 candlepower lamps mounted on ornamental metal standards. The metal standards are distributed throughout the business district, while the concrete standards are located in the residential sections. All new lights are on 100 ft. spacing. In order to take care of the increased



The Life of One Little Child

The above illustration is used through the courtesy of the General Electric Company. In a very human way it indicates the great advantages of electric illumination in cutting down street hazards caused by inadequate lighting. Adequate lighting also decreases crime, enhances real estate values and is a source of great satisfaction to the entire public.



One of Pittsford's 77 new Class O, 200-candle power lamps, mounted on concrete standards. The concrete poles were used in the residential district.



One of the 15 Class S, 400-candle power lamps recently installed in the downtown section of Pittsford, on ornamental metal standards.

capacity, it was necessary for the Company to run an additional circuit from East Rochester, from where the street lights are now controlled.

The problem of the proper lighting of our streets at night is now recognized as one of vital importance. It is good business to have well lighted streets, for it enhances real estate values, acts as a protection against accidents and crime, and helps toward street cleanliness. There is no other civic improvement which benefits more and costs less than good street lighting. All who know Pittsford well, enjoy the little suburb with its beautiful large trees and old residences, many of which are older than the city of Rochester itself. It is purely residential. The absence of industry attracts many of the better class of residents.

Many inhabitants of the surrounding villages, as well as all of the vil-

lagers in Pittsford, have commented very favorably on the new installation. These fixtures furnish about 5 times as much light as the old ones did and give excellent distribution as well. In fact, the main streets in Pittsford are now better illuminated than many city thoroughfares.

Mr. Yawger, Superintendent of the Electric Department, represented our Company, while Mr. William L. Ford, President of the Town Board represented Pittsford in the lighting contract. Mr. R. C. Seibert was the contractor who put in the duct and erected the poles, and Alcott & Waite Contractors pulled in the cable and connected the lights. At the completion of the installation, the necessary tree trimming preliminary to the installation, was done under the supervision of Mr. John Ford, Jr., a nurseryman of Pittsford.

Visiting Nursing Service Establishment

THE Employees Benevolent Association in cooperation with The Company has established a visiting nursing service for the purpose of assisting sick and disabled employees to more quickly and satisfactorily regain their health.

This service will not include actual nursing, but will be limited to general advice and assistance.

All employees known to be sick and disabled will be reported to the nurse, Miss Laura Bradfield, whose headquarters is in the Public Relations Department on the Second Floor of the gas and Electric Building, 89 East Avenue.

The report will be made by the foreman concerned as soon as he learns of the case. Those who are absent for two consecutive days without notice, will be assumed to be sick or disabled and will, upon the second day of their absence, be reported to Miss Bradfield.

If possible, Miss Bradfield will visit all sick and disabled employees, both E. B. A. members and those who are not, on the day upon which the report is received. When this is impossible, because of lack of sufficient time, she will use her own judgment as to the cases most in need of attention and will visit them first.

Miss Bradfield is a Registered Nurse and is especially well equipped through training and actual experience to do efficient work in this important new field of service to employees. She will be glad at any reasonable time to advise any employee on health, hygiene and similar related problems.

Mr. Frederick W. Fisher, Superintendent of the Employees Benevolent Association, sent to all departments a special notice concerning the visiting nursing service and asked for the cooperation of all employees in making this service a success.

New Department

ON October 25, Mr. A. S. MacDowell, Superintendent of Electric Generation, announced the appointment of Mr. Ernest Huntington, as Engineer of Electric Generation, to take charge of the operation of stations and substations.

The Electric Generation Operation Department, which is located at the new Switch-house at Station 3, will have charge of load dispatching, the operation of all electrical equipment in all stations, both manual and automatic and the maintenance of relay and auxiliary equipment.

The new department will function in securing the maximum operating efficiency by closely studying the changing conditions incident to Company development and adapting operating schedules to meet them.

Mr. Clarence Smith Promoted

MR. Clarence Smith, formerly an employee of The Motor Department for ten years, recently was appointed to have charge of the maintenance of relays and their accessories. Mr. Smith's new work comes under the supervision of Mr. E. K. Huntington, Engineer of Electric Generation.

Flowers for Mr. Beebe

MR. Alexander Beebe, who recently assumed the duties connected with the position of Superintendent of Gas Manufacture, was pleasantly surprised upon his coming to work one morning recently by a huge bouquet of over forty American Beauty roses. They were the gift of employees of his department, who took this means of attempting to pay their respect to their new 'chief' at West Station. We join with them in wishing 'Alex' every success in his greater responsibility, for which he is well qualified.



Sales and Service in Rural Communities

Mr. John S. Donovan, of Boulevard Parkway, Charlotte, recently purchased an Estate electric range.

Mrs. Josephine Combs, of the Long Pond Road, recently purchased a one-half H. P. electric motor to replace a one and one-half H. P. gasoline engine in the operation of a deep Corel pump.

Mr. Harvey Mayer, of the Five Mile Line Road, Webster, has installed a 5 H. P. electric motor in his cider mill where he does custom grinding and pressing for farmers.

Mr. Joseph Lamb, of the Paul Road, Coldwater, is now using an electric range in his home.

Mr. Alfred Lyness, of the Lyell Road, recently installed a complete water system at his home.

Mr. Joseph Eisenhauer, of the Lyell Road, recently had his barn wired for electricity and has installed a one and one-half H. P. electric motor for use in the cutting of feed.

City Sales Notes

The Bastian Bros. Company has installed an American Gas Company Continuous Conveyor Furnace, used for enameling automobile name plates and small novelties.

The B. R. & P. Ry. Company has installed a 70-HP crane at its yard on Canal Street.

The Lincoln Alliance Bank is making preparation to flood light the tower of its fine new building. In doing this twenty-four 500-KW flood lights will be used.

The electric contract for the Rochester Theatre, corner of Clinton and Court Streets, has been awarded to McCarthy Bros. & Ford, Buffalo, N. Y. The requirements for this theatre will be 600 KW alternating current for light and power and 30 KW direct current for emergency lighting.

The Purdy & Wilson Company at its Chophouse, 94 Exchange Street, has installed two Sections of Garland Hotel Range, one large Gas Broiler and one Venturi Exhaust Fan.

The Board of Education, of the City of Rochester, has installed at The North West High School, Ridgeway Avenue, two sections of Garland Heavy duty Hotel Range in the school's lunch room. One section of Garland Range has also been installed at the Prevocational School, located at the corner of Bay and Goodman Streets.

Mr. Ray Fagan has installed a two-section Garland Heavy duty Range to care for the excellent Southern Cousine, a feature at the 'Plantation.'

The Neisner Brothers new cafeteria kitchen will contain four sections of Vulcan Range, which will amply take care of their cafeteria service.

The Misses Schultz and Smith who are the Proprietors of "The Alexandra" and the East Ave. Coffee Shop, have installed two sections of Garland Hotel Range, a Bryant Storage Water System and two Vulcan Bake Ovens.

The Strong Memorial Hospital has added a large Vulcan Bake Oven to its Bakery Department.

With Company Bowlers at the Genesee Bowling Alleys

Reported by HOWARD STEBBINS



THE Company Bowling League has now completed the half way mark in its twenty-one week schedule at The Genesee Bowling Hall, and this season promises to reach a new high mark in general interest. Outstanding features of the contests thus far have been good sportsmanship, the keen competition between teams and the absence of petty arguments and complaints.

The early season leaders of most of the special events have bettered their own scores or have been replaced by others, Frank Kennedy, leader in the individual single game event being the only leader not to be thus displaced. His score of 267, made during the first night's play, still stands supreme at the time of this writing.

George Galen, leader in the individual average and three game total events, has surrendered both of these titles, temporarily at least, to Herman Fichtner. The Electric Stations team has forged to the front and is apparently out to get a place in the sun. It leads the Office and Electric Distribution teams by one and two games, respectively.

The remaining five teams are more widely separated, but with the acquisition of new players and the rounding into better form of some of the regulars, the present leaders are none too secure in their positions.

If any of The Company bowling "fans" would like to see some real, live competition, they are advised to stop in at the Elm Bowling Hall, some Tuesday evening between eight and twelve, and treat themselves to a lively and interesting experience.

Team Standings

11 WEEKS ENDING JAN. 11TH, 1927

TEAM	WON	LOST	%
Electric Stations...	27	6	.818
Office.....	26	7	.788
Elec. Distribution...	25	8	.757
Gen. Construction...	13	20	.394
Gas Manufacture...	12	21	.364
Transportation...	11	22	.333
Gas Distribution...	9	24	.273
Storehouse.....	9	24	.273

Leaders in Special Events

High Team 3 Game Total—2815, Electric Distribution.

High Team Single Game—1009, Electric Distribution.

High Individual 3 Game Total—678, Fichtner, Electric Distribution.

High Individual Single Game—267, Kennedy, Electric Station.

Average of Players Having Bowled 50% of Scheduled Games

NAME	NO. GAMES	AVE.
Fichtner.....	30	192
Galen.....	27	192
Davis.....	33	181
Kiefer.....	32	181
Winterroth.....	31	181
Kennedy.....	33	180
Mike.....	31	174
O'Dell.....	29	173
Harrington.....	28	173
Pierce.....	27	173
Stebbins.....	27	172
McGowan.....	26	172
Friday.....	21	172
Phelan.....	26	171
Weaver.....	32	170
Ernst.....	18	170
Edgar.....	30	169
Miller.....	31	168

The Company's Electric Refrigeration Load

AT the suggestion of our President, Mr. Robert M. Searle, and with the kind co-operation of twenty-one electric refrigeration dealers in Rochester, Mr. G. McLarty has collected some interesting data on The Company's electrical refrigeration load.

The Society for Electrical Development and many other national organizations and publicity mediums interested in electrical refrigeration have presented, from time to time, surveys covering the growth and development incident to the progress of this art in various sections of the country.

The data which Mr. McLarty has collected, and which will be kept up to date by quarterly statements in *Gas and Electric News*, will possibly help to make it easier for some of these agencies to obtain data desired.

According to Mr. McLarty's survey, there were at the end of November, 1926, a total of 8,211 horsepower in motors being used in commercial refrigeration in Rochester. This figure includes cold storage companies, ice companies, butcher shops, restaurants, dairies, groceries, delicatessen shops, bakeries, factories, clubs, institutions of various kinds, in fact, all places using commercial refrigeration.

The number of horsepower in motors used in connection with domestic units in Rochester, was 383 H.P., up to the end of November, 1926. This gives a total of 8,594 H.P. in electrical refrigeration motors now on the Company's lines.

It is generally predicted that the year 1927 is going to be an active one for all organizations selling electrical refrigeration. It will be interesting to watch the realization of this prediction as it will be reflected in Mr. McLarty's future comparative data.

NAME	NO. GAMES	AVE.
Hall.....	24	166
Bruns.....	33	165
Hauck.....	25	165
Ghysel.....	30	164
Spears.....	25	163
Hughes.....	28	162
Wiemer.....	33	161
Pink.....	29	161
Nichols.....	28	161
Bitzke.....	33	160
Hafner.....	29	160
Wohlgenuth.....	27	160
Bruce.....	22	160
Natalie.....	27	158
Stewart.....	30	157
Kling.....	19	156
Jennejohn.....	31	155
Spall.....	29	154
Kruger.....	18	153
Diamond.....	28	152
Durfee.....	30	148
Palmer.....	19	148
Moody.....	21	144

Giant Beacon Light

A giant electric beacon will soon illumine the valleys of the Rocky Mountains in the vicinity of Colorado Springs, remarks the Pennsylvania Public Service Information Committee.

The searchlight, which will be supplied by the General Electric Company, will be a 7,500,000 beam candlepower, 900 watt, aviation type beacon, and will automatically rotate six times a minute. It will have a diameter of twenty-four inches.

The beacon will be placed on a mountain-top along the Broadmoor-Cheyenne Mountain highway at an elevation of 9,000 feet. It will play over the surrounding country for many miles and will supplement the lights that have already blazed a colorful trail across the heights.

AUDITING



New Business			
Net Increase in Consumers in Year Ending November 30, 1926			
	Nov. 30, 1926	1925	Incr.
Gas.....	97,915	94,166	3,749
Electric.....	89,363	80,138	9,225
Steam.....	230	160	70
Total.....	187,508	174,464	13,044

Statement of Consumers by Departments as of November 30th					
Nov. 30	Gas	Electric	Steam	Total	Incr.
1916....	75531	25095	43	100669	
1917....	78635	27630	51	106316	5647
1918....	79108	28915	75	108098	1782
1919....	79663	30717	75	110455	2357
1920....	81227	34359	75	115661	5206
1921....	81500	39586	100	121186	5525
1922....	84158	47846	108	132112	10926
1923....	86875	58354	117	145346	13234
1924....	90595	69693	125	160413	15067
1925....	94166	80138	160	174464	14051
1926....	97915	89363	230	187508	13044
Incr. in 10 years	22384	64268	187	86839	86839

Net Increase in Consumers by Months			
	1924	1925	1926
Incr. in January....	855	300	652
Incr. in February....	866	441	733
Incr. in March.....	961	920	729
Incr. in April.....	1479	1438	1083
Incr. in May.....	1524	1358	1166
Incr. in June.....	1252	1276	1114
Incr. in July.....	951	1228	1021
Incr. in August.....	1323	1207	1199
Incr. in September....	1572	1683	1603
Incr. in October.....	1606	1591	1444
Incr. in November....	1338	1464	1042
Incr. in December....	1145	1258	

Stock Sales for December, 1926		
	Subscribers	Shares
Total to January 1, 1927..	5,417	92,984

Miscellaneous Data			
	Nov. 30, 1926	1925	Incr.
Miles of Gas Main.....	648	612	36
Miles of Overhead Line..	3653	3483	169
Miles of Underg'd Cable..	2136	1788	348
Miles of Subway Duct....	1546	1338	208
No. of Street Arc Lamps..	1066	1062	4
No. Street Mazda Lamps..	15678	13783	1895
Total No. Street Lamps..	16744	14845	1899
Number Employees.....	2170	1978	192

E. B. A. for December, 1926	
Balance 1st of Month.....	\$10,128.35
Dues—Members.....	1,457.35
Dues—Company.....	1,457.35
Fees—Members.....	45.00
Fees—Company.....	45.00
Assmt. No. 79—Members.....	.25
Assmt. No. 86—Members.....	.25
Assmt. No. 88—Members.....	2.25
Assmt. No. 91—Members.....	417.50
Assmt. No. 79—Company.....	.25
Assmt. No. 86—Company.....	.25
Assmt. No. 88—Company.....	2.25
Assmt. No. 91—Company.....	417.50
Int. on Bk. Bal. and Investments	285.50
Miscellaneous Revenue.....	19.42
Total Receipts.....	4,150.12
Total Receipts plus Balance.....	14,278.47

Disbursements	
Sick Benefits.....	\$ 1,175.01
Accident Off Duty Benefits.....	26.05
Accident on Duty Benefits.....	138.23
Death Benefit No. 91.....	400.00
Group Life Insurance.....	29.56
Medical Examiner's Expense.....	9.00
Dues Collected in Error.....	1.64
Total Payments.....	1,779.49
Balance on Hand.....	12,498.98

Membership	
Date	No.
Members, Nov., 1926.....	1704
Affiliated Month of Dec., 1926....	44
Terminated Month of Dec., 1926....	6
Gain.....	38
Membership December 31, 1926.....	1742

	Month of Nov., 1926	Nov., 1925	Increase
Amount of Payroll.....	\$330,113.40	\$289,160.01	\$40,953.39
K.W.H. Generated—Steam.....	6,784,460	3,627,233	3,157,227
K.W.H. Generated—Hydro.....	18,084,490	19,690,747	*1,606,257
K.W.H. Purchased.....	5,963,231	4,900,607	1,062,624
M. Cu. Ft. Coal Gas Made.....	313,381	169,840	143,541
M. Cu. Ft. Water Gas Made.....	75,400	163,850	*88,450
Tons Steam Coal Used.....	14,395	11,133	3,262
Tons Gas Coal Used.....	29,846	16,227	13,619
Gallons Gas Oil Used.....	127,133	536,769	*409,636
Tons Coke Made.....	20,211	11,009	9,202
Gallons Bengas Made.....	90,402	70,964	19,438

*Denotes Decrease.

OBITUARY

WITH the utmost regret we announce the following deaths. To the bereaved families we extend the deep sympathy of the officers and employees of the Company:

Mrs. Dennis Drowney died at the family residence, 207 North Clinton Street, on January 2, funeral services being held on January 5, at Strauchen's funeral parlors, 265 North Street, with burial at Utica, N. Y.

Mr. Frank Green, an employee of The Company for the past twenty-three years, died on January 3, at his home, 16 Evergreen Street.

PERSONALS

The employees of The Telephone Department were entertained by Mr. and Mrs. Charles Feely, at their home, on Margaret Street, during The Holidays. A very delightful dinner was served, after which an evening of music and cards was enjoyed.

Mrs. Irene Kleinhans, of The Telephone Department, entertained her associates in that department recently at a party, at her home on Rosewood Terrace. The Company's 'hello girls' accompanied by their gentlemen friends were treated by Mrs. Kleinhans to a very enjoyable evening, dancing and cards following a tasty luncheon.

Messrs George Histed and Albert Lamey recently visited Chicago and Cleveland, where they inspected various types of cranes for possible use in

Company work. While on this inspection trip they selected a caterpillar crane for use as additional equipment for The General Construction Department.

Miss Azele Rife, of The Consumers Bookkeeping Department, spent Christmas and New Years with friends in Pennsylvania.

While on Main Street, recently, Mr. Owen, 'Jake,' Feltham was greeted by a small boy, who said: "Hello, Commissioner." Now this may sound as if Jake has left The Company and become a detective or something or other, but that is not the case. Mr. Feltham was recently appointed Deputy Commissioner of The Liberty Division of the local Boy Scout organization. He still remains Scoutmaster of Troop 1, however, his new duties beign as a critic and booster of the work being done for the boys in the twelve troops in his division, in co-operation with the commissioner. Mr. Feltham's troop won the City efficiency cup for the year 1926, a coveted reward for hard work and efficiency in scoutdom.

Entire Fourth Floor Enjoys Holiday

On Thursday, December 30, a Holiday party was held on the Fourth Floor at which most of the employees and officers located there were present. Immediately following cessation of work all the fourth floor-ites repaired to the Home Service Department, where a very satisfying lunch, prepared by the Pine Tree Tea Room, was attractively 'laid out.'

Hail, Hail, The Gang's all Here, was the opening number on the program, and judging by what followed, the entire gang was hungry. At least it did full justice to a delightful dinner.

Other songs were mixed in, between mouthfuls, and immediately after the repast dancing was enjoyed. Miss Esther Church and Mr. Elmer Knope

gave a very good demonstration of The Charleston, as it should be 'vibrated.'

Perhaps the most generally appreciated offering of the evening was the vaudeville skit, Touring Through Browncroft, prepared and directed by Mr. 'Bill' Weaver. Mr. Weaver was assisted by Miss Alice Church, a passenger; Mr. Edward Steinman, as the Chauffeur, and the two human wheels, Mr. Larry Callaghan and Mr. Elmer Knope.

And, in fancy, the group of listeners was transported through Browncroft in an imaginary 'Lizzie,' the two visible wheels being umbrellas operated by Messers Callaghan and Knope; every little while there was a puncture or worse, a blowout, accompanied by much promiscuous comedy in which all members of the cast had a part. They even ran out of water and en-

countered much other trouble of a nature fitted to generate comedy.

During this 'trip' the homes of some of the officers and employees of The Company, who reside in Browncroft, were visited, a humorous verbal 'shot' being delivered at each such visit to the thorough amusement of all present.

Those in charge of this evening of pleasure are the following Company employees: Miss Belknap, chairman; and a committee composed of Mrs. Gladys Armstrong, assisted by Mr. Wm. Weaver; and Messers Edward Steinman, Larry Callaghan and Harold Scheck.

Happy memories of last summer at Forest Lawn are brought forth by the reproduction on next page, showing Mr. J. C. Collins, The Company's Secretary and Treasurer, and Lewis



Employees on the Fourth Floor enjoy a Christmas Party, and form a merry group about the Grand Stairway to have their picture taken. A well-planned program followed a luncheon prepared by one of our neighbors, The Pine Tree Tea Room.



Tension, Company; Fall in! This is our own "J. C.," left end, and his son, Mr. Lewis Collins, right end. And sandwiched in between them in a pyramiding galaxy of youth and beauty.

L. Collins, his son (extreme right), having a 'great old time' with the children. We don't know whether J. C. is showing the children how to swim, or vice versa; but there's a husky little 'life guard' in the crowd, so we guess everything is all right. From left to right, the illustration includes: Mr. J. C. Collins; Jean Reed; Jane Ewell; Jean Cadle; Philip Reed; Virginia Cadle; Betty Collins; Virginia Lou Collins, and Lewis L. Collins.

Book Club Has Christmas Program

A SPECIAL Christmas program with three spicy book reviews and a recital of the story of "The Other Wise Man," by Henry Van Dyke, characterized the regular luncheon meeting of The Book Club on December 16, in the Home Service Department. Miss May Crowley of the Auditing Department was chairman of the program.

The December issue of *The Tattler*, the club publication, was in the form of a Christmas greeting to the members. Mrs. J. C. Grange of the Home Service Department designed an attractive cover to harmonize with "Tiny Tim's—God Bless Us, Everyone."

Members of the club voted on a ten cent assessment for each member which will provide a new book every month. This plan will furnish a basis for a permanent club library.

In her review "I Am a Woman and a Jew," by Leah Morton, Miss Jeannette Hull pointed out the way in which the author has dealt with the delicate situations connected with racial problems. Miss Rheba Wilbur

talked on the books of L. M. Miln who has done so much in bringing a better understanding of the Chinese people to us through her writings. In the review of "Labels" by A. Hamilton Gibb's recent novel, Miss Kathryn Shattuck discussed the psychological aspects of the book.

The next meeting of The Book Club will be on January 17, in the Home Service Department. Miss Helen Pfluke is chairman of the meeting.

Mr. Specht, of Station 3 Office, recently returned from a very enjoyable vacation, part of which was spent in Pennsylvania, visiting friends and relatives.

Mr. 'Lorry' Pierce recently took a couple of pounds of Buffalo steak home for dinner, one noon. He said it was delicious and that he had plenty of 'pep' all the afternoon and finished up a lot of hang-over jobs.

Miss Ruth E. Noble, of The Electric Distribution Department, spent Christmas and New Years with her parents, at Prattsburgh, N. Y.

Mrs. Denio, of The Consumers Bookkeeping Department, has returned from Alabama, where she visited relatives in Montabello. On her return trip she stopped off at Washington, D. C.



Mr. Cook's vacation was spent last Fall on the "Bouding Main," and he did not forget to remember Gas and Electric News with this interesting marine "snap" showing some maneuvers in which he participated.

Mr. Edwin I. Cook, of Station 3, enjoyed his vacation period this year as a guest of Uncle Sam, on the U. S. S. Fox, destroyer No. 234. Mr. Cook cruised about New York, Bridgeport and Newport, his fellow sea dogs being other members of the 9th and 10th fleet divisions, local

units in the Naval Reserves. Mr. Cook, recently took the first of a series of tests in qualification for entrance to the Annapolis Military Academy, and is tutoring now to fit himself for other tests, including the final one to be held in Annapolis.

Miss Agnes H. Cowan, of Station 3, enjoyed her vacation this season at Arlington, Virginia; Washington, D. C., Mt. Vernon and Philadelphia, spending one week at the Quaker City.

Nettie Joy Smith, the youngest daughter of Mr. and Mrs. Frank Smith, was one year old on December 27th. The event was celebrated by an enjoyable birthday party given in her honor by her parents at the Smith home, 440 Carter Street.

Messers Roger DeWolf, Howard Harding and Irving McChesney attended the convention of the American Society of Mechanical Engineers which was held in New York recently.

For the past year, Miss Gladys Lighthall, of the Public Relations Department, has been an active member of the Mt. Hor Presbyterian Church choir. On Sunday, December 26, a special musical service was given at this church in which Miss Lighthall sang the soprano solos.

On Friday, December 24, the employees of The Consumers Bookkeeping Department gathered around a very beautiful Christmas tree, which had been set up and decorated on the



Mr. Edwin I. Cook, of Station 3, who was recently examined for entrance to the Annapolis Military Academy.

Second Floor, and enjoyed an exchange of Christmas gifts.

The party was held at four o'clock in the afternoon and was enlivened by a real live Santa Clause, in the person of Mr. Wilbur Seidel. Everyone received a gift from someone else, the name of a fellow-employee having been allotted to every member of the department a few days before Christmas, the value of gifts were limited to one dollar.

Mrs. R. J. Holcombe spent a very enjoyable vacation recently in The South, being one of the party of Mr. and Mrs. W. R. Teats, of Williamson. Most of the time was spent at New Smyrna, a wintering place, near Daytona, Florida, stops being made going and returning at New York, Washington and other places.

Miss Irene Stickney, of The Auditing Department, is enjoying a radio set which she received at Christmas time.

On Christmas day, Miss Louis Vollmer, of The Auditing Department, announced her engagement to Mr. William Wolf, who is employed at The Bausch & Lomb factory. Miss Vollmer received a very charming diamond from her fiance and, altogether, votes this Christmas the best she has experienced.

Miss Esther Church recently visited friends in Washington, D. C., and Philadelphia, Penna.

A Surprise Party was given Miss Ina Blakeley, of The Auditing Department, recently at her home, 45 Elton Street. Luncheon, games and dancing were enjoyed by the following Company employees who were present: Miss Violet Payne; Messers Larry Callaghan, 'Teddy' Herr and Elmer Knope.

The engagement of Mr. Frank Benedetto, of The Service Department, to Miss Louise Miller of this City, was announced during The Holidays.

A very happy Christmas party was held at the home of Mr. Jacob Hall, 264 Mt. Vernon Avenue on Christmas day. Mr. Hall, who is our genial Doorman on the Main Floor, was entertained throughout the day by his nine children and his sixteen grandchildren, whose enjoyment of Santa Claus and his many presents to them gave him a delightful Yuletide thrill. We wish Mr. Hall many more equally as enjoyable Christmas celebrations. Mr. Hall said that for fifty years, without break, his family group has gathered around the home Christmas tree which, we believe, is quite a record.

Mr. and Mrs. John B. Highmoor, of 186 Birr Street, were delighted at the arrival of little Margaret Dot, their charming baby daughter, who came to town on December 11, at the Park Avenue Hospital. Margaret's first Christmas was an event which will be remembered for many years to come. Mr. Highmoor is an employee of the Meter Reading Department.



Mr. Antonia Zambuto, of Station 3, who is an accomplished musician. At the left is a wedding cake which graced a wedding at which Mr. Zambuto's orchestra played recently.

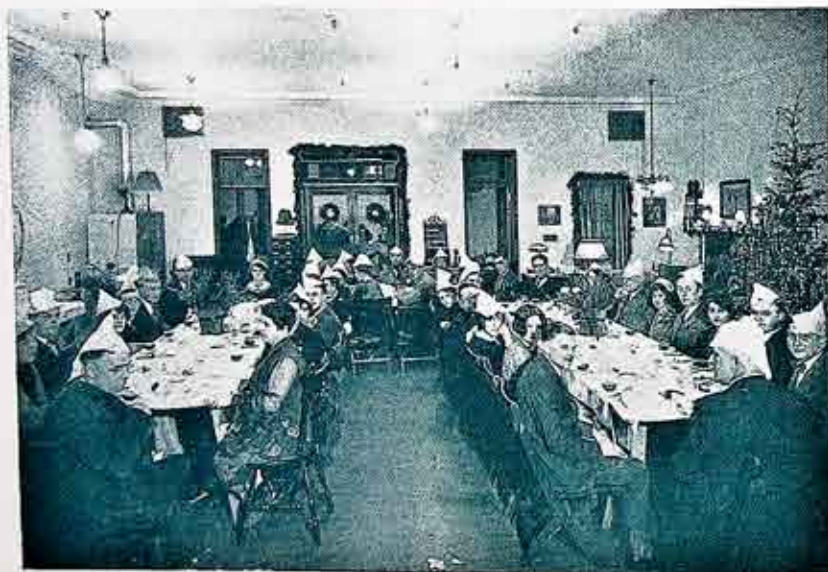
Purchasing Department Enjoys Dinner

During the Holidays, the Purchasing Department held a Christmas dinner in the rooms of The Home Service Department, one evening after working hours. This particular dinner was home-cooked, and, quite naturally, made a big "hit" with everyone present. The enthusiasm of the members of the department for this departmental function may be appreciated when we state that forty out of a possible forty-one employees were there. Some of the good things prepared by the "women folks" were: Fruit cocktails; creamed chicken with mushrooms; mashed potatoes and peas; lettuce and radishes, and Christmas moulds. Music and dancing were enjoyed during the evening. The Misses Buell, Swarthout and Brown laid the covers, and the following committee was in charge of the party details: The Misses A. G. Place, Flynn, Ward, Rottmans and Howland.

About fifteen employees of the Purchasing Department went to the former Oak Hill coasting grounds, on Tuesday, January 11, where they enjoyed a very exciting evening of tobogganing and skiing.

Mr. and Mrs. Ross and their two children, Betty and Malencha had a very wonderful time visiting Grandma and Grandpa and many other relatives and friends, over The Holidays and their visit was enlivened somewhat by the flooded condition of much of that part of the country, which required reaching Irvine via Cincinnati. Mr. Ross returned to Rochester after Christmas, leaving the rest of his family in Kentucky, where they will remain, possibly, for a few weeks.

Mr. Fred Gillis, of Station 3 Guardhouse, recently completed four weeks as a juror in Monroe County Court. Mr. Gillis enjoyed the experience but says he prefers his regular job to being a juror.



Christmas Party of the Purchasing Department, where forty-one employees enjoyed the repast prepared by the women of the department.

Turkey Dinner for Domestic Sales and Home Service Departments

IF any member of the Home Service or Domestic Sales Departments had lost the Christmas spirit, they all regained it on the Tuesday evening before Christmas when forty-five members of the two departments sat down to a four course turkey dinner in the Home Service Department. The fourth course which was the climax of the dinner party was beautifully served from the Christmas tree by Mr. Joseph MacSweeney. Names had been previously exchanged so that each one was presented with a surprise gift package.

Following the dinner most of the evening was spent in dancing, with several specialty acts by the Home Service and Domestic Sales ensemble. A one-act, one-scene "mellerdrammer" was one of the features of the program. Special mention for distinctive character portrayal goes to Miss Helen A. Smith in the role of

Manuel Del Popolo and to Mr. Arthur Hirschmann for his interpretation of Patrick's character.

This Christmas party which was the first one for the Home Service Department was so successful that it promises to become a traditional event on the Rochester Gas & Electric social calendar.

Following her return from an extended vacation in The West which included visits with friends in Idaho, Miss Vera Frederick was transferred from The General Construction Department, at East Station, to the Consumers Bookkeeping Department, Gas and Electric Building.

Mr. C. A. Woodruff, of Station 3, recently made an inspection trip to Newport News, Virginia, where he studied various types of water wheels, selecting one suitable for The Company's use at Station 5. The new wheel has a capacity of 22,000 H. P., the two large wheels in operation there at the present time being 16,000 H. P. each.



One of the big moments of the Christmas Party held by the employees of the Domestic Sales and Home Service Departments. Following a turkey dinner Mr. MacSweeney, as Saint Nicholas, distributed the surprise gifts, after which a program of "mellerdrama" and dancing was enjoyed.

The Man Behind the Smile

I don't know how he is on creeds,
I never heard him say,
But he's got a smile that fits his face
And he wears it every day.

If things go wrong he won't complain,
Just tries to see the joke;
He's always finding little ways
Of helping other folk.

He sees the good in every one,
Their faults he never mentions;
He has a lot of confidence
In people's good intentions.

You soon forget what ails you
When you happen 'round this man,
He can cure a case of hypo
Quicker than the doctor can.

No matter if the sky is gray,
You get his point of view;
And the clouds begin to scatter,
And the sun comes breaking through.

You'll know him if you meet him,
And you'll find it worth your while
To cultivate the friendship of
The "Man Behind the Smile."

—Anonymous.