

Personal

A daughter, Valery Jean, was born to Mr. and Mrs. Harley Walters, Sunday.

Miss Christian Olson, a former Farmington girl, was married to John Riggs of Minneapolis, September 28 at the home of her parents, 3225 Rochester avenue. The young couple will be at home at 10 Esplanade, Detroit.

The Ladies' Aid of the M. E. Church will hold their first meeting of the year at the home of Mrs. F. L. Cook Thursday, October 17. A large attendance is desired.

Mr. and Mrs. Elmer Dohany were Sunday dinner guests at the home of John S. Haggerty on Canton Center road.

Mr. and Mrs. P. A. Glidden were week-end guests at the home of Mr. and Mrs. Buckberry at Romulus.

Mr. and Mrs. Samuel Blair and daughter Fanny, and son Lewis of Nulley, N. J., Mr. and Mrs. H. H. Moore and Mrs. Emma Blair of Detroit, were dinner guests at the home of Mr. and Mrs. Lee Doyle Tuesday evening.

Mrs. Charles Wilson entertained the Jury Club at tea Wednesday at Glen Oaks Golf Club.

Dr. and Mrs. H. E. Boice and Harmon, attended the funeral of Mrs. Hattie Bird at Ypsilanti, Saturday.

Mr. and Mrs. Elmer Dohany were dinner guests Tuesday at the home of Mr. and Mrs. O. W. Heywood of Detroit.

Lewis Nelson and family of Whitmore Lake spent Sunday at the home of the Misses Nelson.

Miss Ida Nelson, Mrs. Mae Oldenburg and John Nelson spent Tuesday in Detroit.

Mrs. Eli Stodgel is spending several days with Mr. and Mrs. Noyes at Bloomfield Hills.

Mr. and Mrs. Ralph Auten and family visited Mr. and Mrs. Blissa Turnbull at Ortonville, Sunday.

Mrs. Byron Kelly of Pontiac visited Mrs. David Ross, Monday.

Mr. and Mrs. F. M. Brownridge of Detroit visited Mrs. David Ross Monday.

S. M. Johnson, daughter Mrs. Elmer Dohany and granddaughter Mrs. T. K. Ely called on Mrs. Mary Cox at Mt. Morris. Older residents will regret to learn that Mrs. Cox, who is 93 years old, fell and broke her hip. Mr. and Mrs. Cox were in an inn at Snyder road and Grand River in the days of the plank roads and stage coaches.

Among those attending Grand Chapter in Detroit were, Mrs. H. E. Boice, Mrs. Ray Oldham, Mrs. Frank Lauritzen and Mrs. Johnson.

Mr. and Mrs. Clyde Adams and son Harry, were dinner guests of Mr. and Mrs. Vern Spencer Wednesday, at their home in Wixom.

Simon Johnston of Clarenceville, spent Wednesday with Mr. and Mrs. Clyde Adams.

The ladies of North Farmington gave a surprise party for Mrs. Johanna Engle at her home Tuesday evening. Mrs. Engle received some very nice gifts. She is leaving soon to go to the home of her daughter in Gladwin, Mich.

The North Farmington Cemetery Association will hold their next meeting at the home of Mrs. James Watkins on Orchard Lake road, October 15 for dinner. At this meeting plans for the banquet will be made. Everyone is invited.

Mr. and Mrs. L. Farrand and family have moved into the house on Grand River avenue, formerly occupied by Mrs. Bertha Westfall and family.

E. A. Wagner and family have moved into the house owned by Mr. and Mrs. Lyman Farrand on Valley View avenue.

Mrs. N. H. Power spent Tuesday in Detroit.

Mrs. Harry Ortwin, Mr. and Mrs. Clarence Ortwin and family are spending a week in Sebewaing, Mich.

Mrs. David Ross spent Friday in Windsor, visiting her sister-in-law, Mrs. Elderback, who is very ill.

Winifred Hine and Dorothy Owens spent Monday evening in Redford where they attended the theatre.

Miss Beatrice Perry was married Saturday evening in Toledo, O., to Ulysses James of Royal Oak. The couple will make their home in Farmington November 1st.

A miscellaneous shower was given for Mrs. Beatrice Perry James, at the home of Miss Kathryn Haynie Sunday evening. About 15 girls were present.

Mr. and Mrs. Loren Flimp of Novi were out and bruised when something went wrong with their steering rod while driving on Grand River. They ran into a telegraph post and then into a ditch. They were taken to Dr. J. A. Miller for treatment.

Mrs. Lovejoy (nee Viola Ross), is spending several days with her parents before leaving for Chicago, where she will make her home.

Mr. and Mrs. R. J. Johnson, Mrs. Minnie Johnson and Miss Leola like spent Sunday at the home of J. Fred Smith in Byron, Mich.

The ladies of the M. E. Church are gathering rummage for the sale to be held soon.

Dr. and Mrs. J. A. Miller spent Sunday with Dr. and Mrs. J. N. Kainey of Birmingham.

Miss Marion Pangborn spent Wednesday with Mrs. Emil Gitzel.

Trinity Shrine of the White Shrine of Jerusalem will hold their Initiatory Ceremonial October 17 in their hall in Northville. Supper will be served in the Baptist Church at 6:30.

Mrs. Len Charter and son Glen spent Wednesday evening with Mr. and Mrs. Emil Gitzel.

Mr. and Mrs. Amos Otis and Mr. and Mrs. A. R. Crawford attended the D. D. Dolly supper at Northville Thursday evening.

Mrs. T. H. McGee and Mr. and Mrs. Reed Webster attended the White Shrine at Grand Rapids Saturday.

Mrs. John Fitzpatrick and daughter Evelyn, spent Thursday in Detroit.

Miss Marion Pangborn and Carrie Schubitz spent the week end visiting relatives in Detroit.

Miss Lois MacKellar and Mrs. A. R. Crawford attended a theatre in Detroit Saturday afternoon.

Mrs. Witt and family of West Point Park visited at the home of her parents, Mr. and Mrs. D. B. Starkey Wednesday evening.

Mrs. V. B. Evans and children will motor to Elmore, O., where they will spend the week end.

Mr. and Mrs. D. Starkey visited Mr. Starkey's mother, Mrs. Bulman, who is ill in a Detroit hospital.

Mr. and Mrs. Sam Turner and family spent a week in Detroit and Monroe visiting friends.

Mrs. Olin Russell is serving on the jury in Pontiac.

Additions to the Bell Telephone plant in the state of Pennsylvania during 1922 will cost the Bell Telephone Company of Pennsylvania more than \$35,500,000.

Persistent advertising is educational.

Advertisements in this paper are for sale.

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STROKE FATAL TO ARTHUR JOHNS, 78 FORMER RESIDENT

Funeral Services Held At Walled Lake, Burial In Novi Cemetery

Arthur J. Johns, a life-long resident of this section, died at the home of his brother, Horace Johns in Walled Lake, on Thursday afternoon. Mr. Johns suffered a stroke August 20 and had been confined to his home since growing steadily weaker. During last week he had been unconscious most of the time knowing the members of the family only at intervals.

Funeral service was held at the home on Saturday afternoon at 2:30 with Rev. Joseph Chapman presiding. Burial was in the Novi Cemetery.

The deceased was born January 11, 1851 in West, Bloomfield Township, one of nine children, three girls and six boys. His parents were Henry and Ann Elizabeth Johns. He was a pupil at the Pennell School.

During the summer, he worked on his father's farm and during the winter he worked in lumber camps in the northern part of the state. January 11, 1876 he was married to Belle Severance, and they made their home at Farmington, later moving to Novi, where Mrs. Johns died September 25, 1903. Mr. Johns then moved to Walled Lake. He married Mrs. Olive Halstead Hammond December 1, 1909, who died January 29, 1920. No children were born to either marriage.

CENSUS-EXAMS ANNOUNCED

The United States Civil Service Commission will receive applications until November 2, for temporary positions in the Bureau of the Census in Washington, D. C., in connection with the Fifteenth Census.

The positions for which examinations are to be held are junior clerk, junior calculating machine operator, and junior tabulating

machine operator, with an entrance salary of \$1,440 a year, and under card-punch operator with an entrance salary of \$1,260 a year.

These examinations are open to all citizens, both men and women.

The length of service will probably range from one to two years in most cases but in no case will it extend beyond December 31, 1932.

KNOWN THROUGHOUT THE STATE

No automobile insurance company is better known throughout the State than the

Citizens Mutual Automobile Insurance Co. of Howell

Everywhere in Michigan, as right here in Farmington, its reputation for good service, for adjustments, for complete protection of its policy-holders, is of the highest. Insure your car through us in this strong company.

Olin Russell
FORD SALES AND SERVICE
Phone 151 Farmington

Autumn Days

Autumn days should be saving days. It is the season when all animal life is making preparation for the unproductive season of snow and cold.

Man should look even farther ahead than the one season and prepare for the days when sickness, accident, or age will reduce earning power.

Put something in your savings-account now. If you have not yet secured one of our savings-books call today for the one we have set aside for you.

ABSOLUTE SAFETY FOR YOUR MONEY SAFETY DEPOSIT BOXES FOR RENT



PEOPLES STATE BANK

of Farmington

"THE BANK GOOD SERVICE IS BUILDING"



Men's Wear For Fall

The brisk days now here demand warmer clothing for men. We have the things you want, the kind that fit right and give lasting service.

Fall and Winter Underwear
Union Suits and 2-Piece Cotton Underwear
\$1.50 to \$5
Part Wool—\$2 to \$4
All Wool—\$5

Flannel Shirts
Blue and Gray, Full-made and fit well—
\$2 to \$5

Wool Blazers—Leather and Sheepskin Coats
A complete showing at a wide range of prices

High Grade Sweaters \$2 and Up
Big, warm sweaters that keep out the wind and cold

F. L. COOK & CO.
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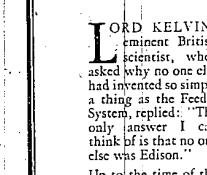
Made of the purest ingredients by our expert bakers, our pies, cookies, cakes, in endless variety, buns, rolls, etc., are the very finest and tastiest that can be made. That's what you'll say too, after you've once tried them.

"BAKER BOY" BREAD

Farmington Bakery
Phone 75 Gd. River Ave.

"The laws of the Universe are not indifferent, but are forever on the side of the most sensitive"

—Thoreau



LORD KELVIN.


LORD KELVIN, eminent British scientist, when asked why no one else had invented so simple a thing as the Feeder System, replied: "The only answer I can think of is that no one else was Edison."

Up to the time of the Pearl Street Station, the arrangement of conductors used for arc lighting was known as the "tree system." When Mr. Edison began calculating the size of the conductors needed for distributing current over a district nearly a square mile in area, he was dismayed to find that the quantity of copper required would be exceedingly costly. Among the criticisms directed against him was that there was not enough copper in the world to supply his demands.

To economize on conductors, Mr. Edison invented a new system of amazing simplicity, called the "feeder" system. The "tree" system was just what its name implied. At the dynamo, the main which energized the conductors to the customer's premises was of a proportionately large cross-section, like a trunk, and gradually tapered off as branches were fed from it and it approached the farther extremity of the system. This was necessary to prevent the lamps nearest the generator from becoming dangerously overheated because the voltage diminished from the generator to the most distant lamp, but it required an outlay for copper so enormous as to be absolutely prohibitive in modern service of large areas.

The "feeder" system solved this problem by severing the direct connection between the dynamo and the mains which directly served the customer's premises. Instead, current was fed by means of other conductors called "feeders" to selected central points in a network of mains. The feeders were connected directly to the dynamo, and could be made comparatively small in cross section. Inasmuch as the mains were laid only along the blocks to be served, and were not required to run all the way to the station, the saving of copper was enormous—seven-eighths, to be exact. The cost of copper per lamp served was reduced from \$23.34 (for the "tree" system) to \$3.72.

In 1883, the first three-wire system was installed at Sunbury, Pa. A year later, the first theater and the first fire-engine house to be lighted from a central station were connected in Brockton, Mass. In the engine house, the striking of the alarm during the night automatically lighted all the lamps and permitted the horses to take their places under the harness. Thus, for the first time, electricity lessened the work of the fire department.



"Let There Be Light"

resistance of the main.

A solution of the difficulty was to raise the supply pressure. Since by doubling the voltage it was possible to transmit four times the distance with proportional energy loss. But to do this involved further difficulties. Mr. Edison solved the problem by his famous "three-wire" system, now in general use throughout the world.

Instead of connecting the dynamo to a pair of main conductors from which the lamp filaments were fed, three conductors were used. Two dynamos were joined together, the middle wire serving as a neutral conductor when the load was equally divided on the two others and as a balancing conductor to carry the difference when there was uneven loading. Each of the other two wires were connected to an outer terminal of these dynamos. The total number of connected lamps were divided as nearly as possible into two equal groups, half of them connected between the middle or neutral wire and one outside wire, and half between the middle and other outside wire—the third wire serving both groups. This meant an additional saving of 62½ per cent in copper over his "feeder" system, and electricity could be transmitted one-third greater distance without extra loss of energy. The three-wire practice at once became standard for all low pressure systems.

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This is the fourth of a series of historical mementos published by The Detroit Edison Company in honor of

THOMAS ALVA EDISON

reviewing his influence on the development of the Electric Light and Power Industry. The fifth will appear in this paper next week.