

## Over 300 at Grace PTA Founders Day

Over 300 turned out last week as the William Grace PTA celebrated Founder's Day with a potluck supper. The gym was quickly filled with the overflow crowd seated in the multipurpose room.

Entertainment was provided by Mrs. Kugler's second level primary class. The children had prepared a program on Mexico to summarize the many things they had studied over the past few months.

The announcer for the program was David Cleary. Holly Brady described some Mexican clothing which was modeled by Claudia Buss, Billy Kin, and David Kral. Steven Padie showed a hand movie, consisting of pictures the children had drawn about the history of Mexico, while Katherine Howard told the story behind the pictures.

With Dean Knapp as soloist, the class sang two Mexican songs—"Pio, Pio, Pio" and the "Mexican Hat Dance." Dressed in rebohos, serapes, and sombreros, the children did two Mexican dances—the "Donkey Dance" and the "Mexican Hat Dance." The dancers were: David Kral, Claudia Buss, Samuel Pink, Holly Brady, Mark Cohen, Carol Strey, Louis Rodewig, Cynthia Mason, Pamela Schmidt, Dean Knapp, Richard Niva, Laurie Stark, Janice Schriber, Steven Brooks, Christopher Wortman, Jean Huebner, Katherine Howard, and Ronald Stark. Mrs. Margaret Raschke, music consultant, assisted at the piano.

Mrs. Kakin, Mother Vice-President, and her committee of Mrs. Sherry, Mrs. Stark, Mrs. Richardson, Mrs. Piechowski, and Mrs. Smigielski, and many others helped with the program.

## Seek Citizens Traffic Safety Comm. for Twp.

Farmington Democratic Club Chairman Aldo Vagnozzi has proposed a two-level citizens committee approach to tackling traffic safety problems in Farmington Township.

Vagnozzi's proposal calls for a broad-based citizens advisory committee to make recommendations to a smaller executive advisory committee. He said the broad-based committee should be made up of at least one representative from each community organization including the PTAs, civic groups and subdivision and neighborhood associations, as well as individual members.

THE EXECUTIVE committee would be drawn from this group as well as include representatives of the police department, township administration and school board.

Vagnozzi said he was making the proposal because he was encouraged by a recent decision of the Township Board to create a citizens committee on buildings and grounds.

"The Democratic Party is pleased to see that the proposal made by its candidates last Fall and in previous elections and by the Farmington Enterprise calling for the creation of citizens committees has finally been accepted by the Township Board."

"SUCH COMMITTEES can be of tremendous help in meeting our many problems if they are so constituted as to represent a true cross-section of the community. This means that committee membership must be drawn from all areas of the Township as well as from members of both political parties and other civic organizations who have shown an interest in Township affairs."

Vagnozzi said the broad-based citizens committee could be charged with the responsibility of surveying the community's traffic situation and reporting those conditions that are considered unsafe.

Such reports of traffic hazards and recommendations for their solution would then be passed on to the executive committee which would be charged with the responsibility of following through with the proper authorities.

## Steinberger Reaches Million Sales Mark

George Steinberger, General Agent in Farmington for the Franklin Life Insurance Company, Springfield, Illinois, has a Million Dollar Conference, the highest for the 1965 Farmington Company's elite organization of million-dollar-a-year sales producers. He was previously awarded life membership for earning Conference honors in three prior consecutive years.

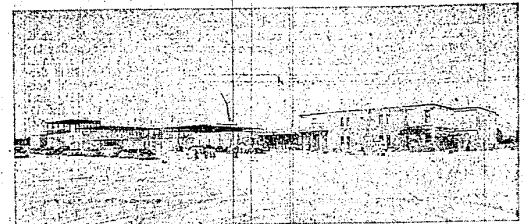
Steinberger is eligible to attend the Conference to be held at the Americana Hotel, San Juan, Puerto Rico, in March of this year. He lives at 32215 Queensboro in Farmington.

# The growing use of ELECTRIC HEAT IN SCHOOL BUILDINGS has made a lot of people curious here are the FACTS

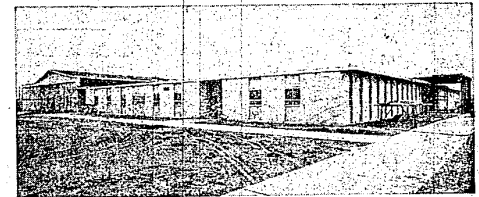
Before we even begin to talk about the superiority of electric heat, let's look at an old bugaboo straight in the eye... it costs too much.

It simply isn't so!

Something can only cost too much in comparison with something similar. In this case, it's the operating cost of an electric heat system vs. the operating cost of some other kind of heating system.



GROSSE ILE HIGH SCHOOL, in southwest Wayne County, another fine, new total electric school.



AKRON-FAIRGROVE HIGH SCHOOL, Tuscola County, will be as modern as tomorrow—a total electric school.

## Operating Cost Is More Than Just Fuel Cost

Perhaps operating cost should really be thought of as cost of ownership. In this broader context, there are a number of building construction, building equipment, annual repair and maintenance and annual labor costs which are affected by choice of heating systems.

Among the building construction and equipment costs which are altered or eliminated, according to choice of heating system, are these:

Building Item Required	Electric Heat	Fuel Fired System
Boiler room	No	Yes
Smokestack	No	Yes
Fuel storage	No	Usually
Steam or hot water piping	No	Yes
Pipe trenches	No	Yes
Boiler and controls	No	Yes
Boiler water pump(s)	No	Yes
Boiler water treating system	No	Yes

To keep this set of comparisons absolutely fair, the insulation of an electrically heated school must be better than the applications which are now acceptable in most school buildings.

It would pay to have topnotch insulation in EVERY school—pay off in heating economy and in student-teacher comfort, both winter and summer. But since it is not yet in widespread demand in all school plants, this may be an item of increased cost in an electrically heated building. The additional cost, however, when related to total construction cost, is insignificant.

## Expansion Costs

In a constantly growing area like southeast Michigan, new school buildings invariably are increased in size—very often, more than once in their careers. Always a major item of cost when classrooms or other facilities are added is complete replacement of a too-small boiler or addition of boiler units.

Even when a foresighted school administration—anticipating building enlargement—installs an over-capacity boiler to begin with, school funds are tied up in the too big boiler and its auxiliary equipment. This non-productive use of money may be a burden for several years.

School building expansion, when the heating system's electric, is never a problem or an undue expense. All that's required is electrical distribution from the transformer to the newly added

school plant—a normal cost of expansion which would apply regardless of type of heating system.

## Annually Recurring Costs

There is another class of ownership costs which needs consideration when comparing electric heat to other types of heating systems for a school. These are the various expenses which recur, most of them on an annual basis.

Typical Recurring Costs	Electric Heat	Fuel Fired System
Boiler maintenance	No	Yes
Boiler inspection fee	No	Yes
Boiler insurance	No	Yes
Boiler attendant(s)—labor	No	Yes
Ash disposal	No	Usually

Another recurrent cost which is sizable enough to help make the difference in heating systems is the amount of interest paid on the money which is borrowed to build a school.

An electrically heated school will be less costly to design and build because you are not buying a boiler with all its auxiliary equipment. No money goes for a boiler room, smokestack or a steam or hot water distribution system. So it follows—a less costly school, less money to borrow, less interest to pay on the borrowed money.

## Electric Heat—Low Cost Comfort For Children And Teachers

The Superintendent of Schools of a school district in northern Ohio recently prepared a two-year comparative analysis\* of heating operational costs for four of the schools under his supervision. It was a painstaking and detailed comparison, taking into account these major factors: fuel cost, heating labor cost, auxiliary fuel, auxiliary power, ash disposal, heating system maintenance.

Two of the schools have coal-fired boilers, one has a gas-fired boiler and one is completely heated electrically. Quoting from the report, "... the cost (for heating the electrically heated school) during the 1962-63 school year was 5¢ per square foot less than at the other three buildings. . . For the 1963-64 year, the savings was 12.9¢ per square foot."

In subsequent years, the savings should be closer to the 12.9¢ per square foot figure than to the 5¢ figure. This is a conclusion drawn from the following facts.

In 1962-63, the electrically heated school was a new structure. Some of the heating cost for it went to drying out concrete, masonry and plaster. This is an extraordinary expense not to be repeated.

Also, in February 1964, the utility serving the electrically heated school reduced its rate for electric power from 1.6¢ to 1.5¢ per kilowatt-hour.

And, finally, by 1963-64, the staff at the electrically heated school were better able to control electric power consumption.

One condition which helped establish the greater per-square-foot savings in 1963-64 may not always hold true. The weather during the '63-'64 heating season was slightly warmer than it was in '62-'63.

\*Copies of this analysis will be made available to qualified inquirers on request.

## Electrically Heated Schools In Southeast Michigan

1958 was the first year of record for electrically heated schools in the area which Detroit Edison serves. In that year, there were 26 classrooms completely heated in this modern way. Now, in early 1965, there are 12 total electric schools having 220 classrooms in the area.

In number of electrically heated classrooms, this is more than an eight-fold increase in seven years. Several more school and college buildings which will be all-electric, including heating, are now under construction within the area.

## More For The Money

These are the features of electric heat which appealed most to the school administrators who wrote the analysis\* quoted above. Only slightly edited for brevity, this is essentially the language of that objective report.

**Safety**—Electric heat is highly automated. A minimum of human attention and judgment is all that's required in its operation. By so reducing the human element, a maximum of safety is achieved. Nor is electric heat complicated by auxiliary or satellite systems of any kind.

**Simplicity**—The absence of complex mechanisms makes it easier for building custodians to concentrate on their prime function—keeping a building and its equipment clean. Boiler room attendants are not a requirement.

**Dependability**—Electric heat reduces the possibility of building freeze-ups; eliminates boiler breakdowns during unattended hours.

When there's a boiler failure, the whole school must close down. If an electric heating unit fails, only the one room involved need be closed.

**Flexibility**—Electric heating equipment can be used just in the room or rooms where heat is required, completely independent of and without affecting any other part of the heating system. On a cool but sunny autumn day, for example, the heat may be on in rooms on the shady side of a school, off in rooms on the sunny side of the building.

**Unscheduled, off-hours use of a school-room**—even with the briefest advance notice—creates no heating problem. Electric heat reacts quickly and, again, there can be selective, one-room-only use.

**Cleanliness**—Since there is no combustion, electric heat does not create smoke, soot or ashes to add to cleaning chores.

**Efficiency**—With electric heat, there are no long, laborious heating up or cooling down cycles. The equipment is ready to furnish heat at the moment of need and there is no wasteful heat carryover when the equipment is shut down.

**Warm weather benefits**—With more efficient and effective building insulation, a school will be cooler and more comfortable in warm weather—a decided advantage to students and teachers.

**Air conditioning** is also simplified and made more economical since the electrical wiring installed for the heating system can also energize air conditioners.

Through the taxes it pays, Detroit Edison is one of the largest supporters of schools in the state. In this role, we are as concerned and interested as you are in seeing that our educational system operates as efficiently and economically as possible. It is our sincere belief that electric heat, when evaluated with an objective and open mind, will show itself to have the economy and efficiency we all want in our schools.

## EDISON CUTS ELECTRIC RATE FOR TOTAL ELECTRIC SCHOOLS

Detroit Edison has just voluntarily reduced the electric service charge to schools in its service area which are all electric, including the heating. School administrators, school board members, architects and consulting engineers are invited to inquire at any Edison office concerning the details of this downward rate adjustment.

**DETROIT EDISON** AN INVESTOR OWNED, TAX PAYING ELECTRIC SERVICE COMPANY