

JANUARY 1979

WASHTENAW COUNTY

President Noffsinger reports that The Association held its annual Christmas party on December 22 at Weber's Inn in Ann Arbor. Other associations who helped host the party were the Washtenaw Contractors Association and the Homebuilders Association of Washtenaw County. This year something new was added to the festivities. A three piece band, the Eddy Schick Combo, who played throughout the afternoon. Open bars, a buffet lunch and warm greetings from construction businessmen made it a festive afternoon.

The Association held their November membership meeting at Weber's with Bruce Toller, the Business Manager of Plumbers and Pipefitters Local 190, as the guest speaker. A review of the solar energy library was given along with a discussion and recommendations on the slate of nominations for the Board of Directors to be elected at the annual business meeting in January.

APRIL 1979

WASHTENAW COUNTY

1979-80 Board of Directors

A new Board of Directors was elected at the Association's Annual Business Meeting. The new Board is as follows: Lloyd Zill, President; Louis Boone, Vice President; Howard McMullen, Secretary-Treasurer; Donald Noffsinger, Past President; Kyle Fuller, Director; and Newton Squires, Director.



Left to right: Newton Squires, Howard McMullen, Kyle Fuller, Louis Boone, Lloyd Zill, Donald Noffsinger.

Annual Business Meeting

President Zill reports that the Association held their Annual Business Meeting on February 19th, at Weber's Inn. Goals and Objectives for the upcoming year were discussed. Trade Promotion Expenditures for the past year were reviewed along with discussions on the Association's Library.

After the new Board of Director's were elected the Association presented various awards to the members. An Honorary Membership Award was presented to Alvin Ost for his many years of service to the Association, a Certificate of Appreciation on Committees and Boards for the last year, and Donald Noffsinger, retiring President of the Association was given a Past President's Plaque.

Association Library

The Association is expanding their library. The library includes sections on: Solar Energy, Energy, Manuals and Standards, BOCA Code Books and the newest addition to the Library are NAPHCC Manuals. The Association office is contacted quite frequently regarding the different Manuals that are available through the National Association offices so we have purchased the six most requested.

Energy Credits for Woodburning Units

The Association is currently working with members in meeting with our local Representatives to see if there is any possibility of changing the recent State and Federal Energy Credits to include certain types of woodburning units. More will be reported as the talks progress.
National Legislative Conference

The Association's Executive Director, Robert Fair, attended the National Legislative Conference recently in Washington, D.C. The new legislation will be a topic for the next membership meeting. The Board of Directors and Membership of the Washtenaw County Association of PHCC, Inc. Congratulates the MPMCA Board and Staff for an Outstanding Year



L. to R. Past President Louis Boone, Director Howard McMullen, Director Alvin Ost, Secretary-Treasurer Lloyd Zill, and President Donald Noffsinger (Vice President John Montonye-Absent)

REGULAR MEMBERS

-Boone & Darr, Inc.-Louis Boone,

- Robert Darr Kenneth Chard, Inc.-Kenneth Chard Crawford Mechanical, Inc.-
- Verle Crawford, Arthur Crawford Fel-Kran Plumbing & Heating Company-
- Larry Wireman, Albert Birk Fuller Heating Company
- Kyle Fuller Gallup-Silkworth, Inc.
- Charles Gallup, Fremont Lobbesteal Garvin Plumbing & Heating, Inc
- .-LeRoy Garvin John E. Green Plumbing & Heating
- Mike Dubey Hutzel Plumbing & Heating Company
- Jeff Durham, Ron Kneer, Lloyd Zill Indoor Comfort Co.
- John Montonye, Charles Delano The Lillard Plumbing & Heating Company, LTD
- Leonard Lillard Robert N. Lau, Inc.
- Robert Lau, Paul Bagrow McGovern Plumbing & Heating, Inc.
- Fayne McGovern, Newt Squires Robertson-Morrison, Inc.
- Paul Robertson Tamarack Plumbing & Heating
- Howard "Red" McMullen Al Walters Heating & Air Conditioning
- Patrick Walters Washtenaw Plumbing
- Donald Noffsinger Young & Ost, Inc.
- Frederick Mammel, Alvin Ost

Associate Members

W. A. Brown Corporation-William Brown, Jr.



The Donald Miller Company-Malcomb MacLean
Monroe Plumbing & Heating

The Stanley Carter Company-Robert Petrillo
Affiliate Members

Ann Arbor Pipe and Supply Company-Albert Davidson

D & C Plumbing and Heating Supply Company-

Robert Carpenter, Donald Damon

Wolverine Supply, Inc.-Donald Darr, Arnold Darr, Les
Davis

MAY 1979

WASHTENAW COUNTY



President Zill reports that the new election of officers for the Labor-Management Joint Construction Board has been completed. Association Member, Albert Birk, Fel-Kran Plumbing & Heating Company has been elected to serve as vice-chairman of the board. Cletus Adkins, Business Manager, Roofers Local Union No. 70 was elected chairman.

The Association is discussing the possibility of having a Foreman Effectiveness training program. The program would be set for mid June with Francis Tritt as the instructor. Mr. Tritt has given the seminar for other PHCC associations in the past. There is a possibility that the enrollment for the class will be opened to other PHCC associations in the state. More will be reported at a later date.



President Zill also reports that the proposed Riverfront Complex Convention Center for Ann Arbor has passed its first hurdle. The City of Ann Arbor Planning

Commission has approved the zoning for the complex and will be voting on the annexation as soon as more reports are completed.

Annual Christmas Party

Past President Noffsinger reports that the Washtenaw County Association held their annual Christmas Party on December 22, 1978 at Weber's Inn. The Party was co-sponsored by the Washtenaw Contractors Association and the Homebuilders Association of Washtenaw County. This year we had the biggest turnout ever with close to 300 people from all parts of the Industry in attendance, including Franklin Davison, present National Director and Past President of the State Association, and Michael West, Assistant Executive Director.

Advertising Program

Past President Noffsinger also reports that the Association has started a new advertising program in local newspapers featuring Association members and informing the public of their services. We are also updating our film on the Construction Industry in Washtenaw County and will again be showing it throughout the state.

Legislative Directory

The Association has revised their Legislative Directory for Association members. The Directory includes local, state and national listings. Copies can be obtained by contacting the Association office.

Association Secretary

The Association would like to welcome the newest addition to the staff, Caryl Snyder who joined the Association office.

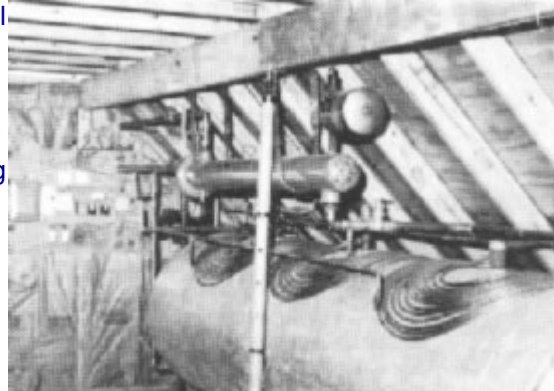
JUNE 1979

WASHTENAW COUNTY



Howard "Red" McMullen, Secretary- Treasurer of the Washtenaw County Association and President of Tamarack Plumbing & Heating held an Open House for Sun Day on May 3rd. Red showed interested parties through his Solar Home

explaining the working of the



system. The system is unique in that it applies both Solar and Woodburning alternate Energy Sources.

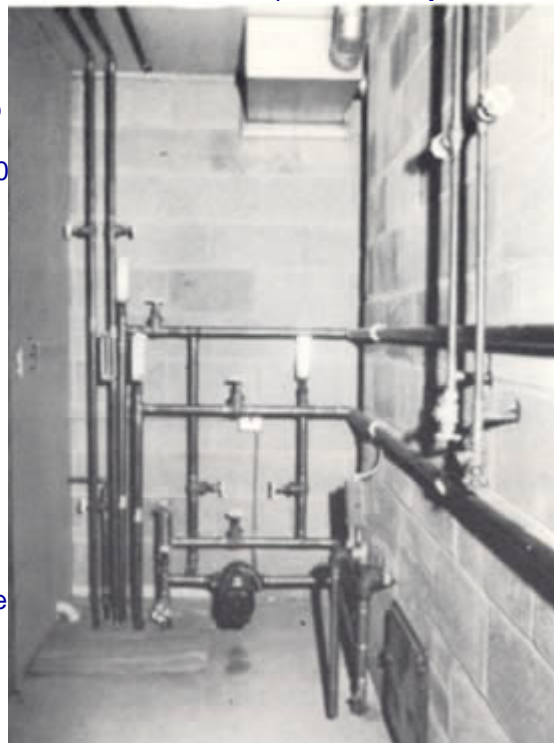
The system is an active water Solar System consisting of a 640 sq. ft. collector that is integrated into the roof using double glazed solar thermal glass for a very low incidence of reflection. The absorber plates are copper using V2" nominal tubing 20' long, 10 tubes per panel,

8 panels, 80 tubes, totaling 1600 Lineal feet of piping on the collector surface. The storage tank is a 1000 gallon galvanized above ground unit housed in a utility building. Because this is an active water system, an antifreezing solar transfer fluid is pumped at 1/2 gallon per minute through the absorber plate tubes and back into the storage building through a 4 pass heat exchanger. After the transfer has been made by pumping water from the tank through the heat exchanger, the hot water then is stored in the tank ready for use in the home.



The home has a hot water baseboard series loop design using approximately $\sqrt{3}$ more baseboard than 1. B. R. Standard design practices. This enables the system, using 140° water, to heat the house to 70° inside when the outside temperature is 0°. At this lower water temperature the efficiency then becomes much higher utilizing the sun's energy. Should the solar tank water not be hot enough, due to our average 30% sunshine time during our five coldest months, this home then has a Hydro- Hearth hot water unit in the fireplace. It is designed with an adjustable damper, outside air for combustion, and special solid glass doors to allow no inside air to flow up the chimney. It

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B.T.U. per hour into water. It is pumped into the Solar storage tank, thus serving as a back up unit. The entire system is automatically changed from Solar to Hydro-Hearth through differential controllers and bypass zone valves piped into the conventional home heating boiler. The domestic water is also integrated automatically into the same systems by a serpentine coil of $\frac{1}{2}$ " copper over the top of the Hydro- Hearth in the fireplace and controlled by a differential controller between the fireplace coil and the 120 gallon domestic water pretempering tank installed ahead of the conventional hot water heater. Should the fireplace not be burning and the Solar tank temperature not high enough, through another differential control the same circulating pump will circulate water through 300' of $\frac{1}{2}$ " copper coil molded to the top of the Solar tank and sealed with high conductive material to assure a good temperature pickup between the Solar tank and the copper coils.

At this time, the Solar/Wood Burning System has only been in operation for a few months, so important data has not been compiled. Red is very happy with the results thus far. To get accurate information, Red has installed in his office in the home a four location temperature electronic thermometer and an hourly strip chart recorder to record panel and tank temperatures at various locations.

The entire system was designed and installed by Red's Company -Tamarack Plumbing & Heating with the help of John Carpenter of D & C Plumbing & Heating Supply Company of Ann Arbor, R.

Deppman Company Distributers of B & G Products in Detroit, Solar Development, Inc. of Rivera Beach, Florida, A.S.G. Industries of Kings Port, Tennessee, Mark Enterprises of Wood Bridge, Connecticut, Heliotrape General of California and Solar Energy Products of Saline, Michigan.

AUGUST 1979

WASHTENAW COUNTY

Michigan Chapter of Solar Energy Industries Formed



Thirty-five solar equipment designers, manufacturers, wholesalers, retailers, architects, engineers, and contractors have founded MICHSEIA, a state chapter of the Solar Energy Industries Association. MICHSEIA's headquarters are located at 1935 Pauline Boulevard, Ann Arbor, Michigan.



Richard Montgomery of Dow Corning Corporation, chairman of the MICHSEIA Steering Committee explained why MICHSEIA was formed: "SEIA is the national organization that represents the companies who are engaged in the commercial solar business. It was formed to promote a commercial solar industry across the United States. Key to this commercialization effort is a state chapter which can represent the professional solar people on the local level. Voting

membership is restricted to corporate members engaged in a commercial solar industry venture. MICHSEIA will provide the grassroots organization needed to promote a commercial solar market in the state of Michigan just as CALSEIA has done in California."

MICHSEIA's Steering Committee, composed of ten members, has appointed a number of sub-committees that will immediately proceed with the task of organizing and incorporating MICHSEIA. The Nominating and Election Committee is headed by Bror Hanson, President of Solargy Corporation.

The Membership Committee is headed by Howard Beatty of Wolverine Solar Industries. The Program and Meeting Committee is headed by Robert Wood, Consultant. The Dues and Budget Committee is headed by Howard McMullen, President of Tamarack Plumbing & Heating. And the By-laws and Incorporation Committee is headed by Scott Locker, an attorney at Dow Corning.

The Steering Committee also named Sandra Miller, Assistant Executive Director of Washtenaw County Association of Plumbing-Heating-Cooling Contractors as Executive Vice President and Recording Secretary/Treasurer. Richard Montgomery will act as public spokesman. Other members of the Steering Committee are Paul Moses, Dow Chemical; Roy Olson, Addison Products; Rex Ambs, gunfire Alternate Energy; and Steve Marciniak, Ecological Compositing Toilets. The annual meeting of MICHSEIA, with the installation of officers has been set for late October in Detroit.

People wishing to inquire about MICHSEIA membership should contact Sandra Miller, MICHSEIA, 1935 Pauline Boulevard, Ann Arbor, Michigan (313) 665-4681.

Construction Board

President Zill reports that some of the Washtenaw County Association members and the

Washtenaw County Labor-Management Joint Construction Board, which consists of local Construction Associations and Construction Trade Unions, met with Congressman Carl D. Pursell recently.

The Board discussed President Carter's energy speech at great length along with pertinent construction legislation. It was the general contention of the Board that the speech was the best given by President Carter to date and they sincerely hope that the Congress will work with President Carter in trying to resolve the Country's energy problems.

Also, discussed at the breakfast meeting was the number of bills now before Congress that will directly affect the Construction Industry in Washtenaw County. Congressman Pursell gave his opinions on Industry legislation. Also in attendance with Congressman Pursell were two of his aids, Frank Vaslo from the Monroe office and Cynthia Hudgins from the Ann Arbor office.

SEPTEMBER 1979

WASHTENAW COUNTY

President Zill reports that the Washtenaw County Association sponsored a dinner for the Plumber/Fitter Joint Apprenticeship Committee and Program Instructors. The dinner gave the instructors the opportunity to let the apprenticeship committee know their feelings on changes in the program that they would like to see implemented. A state chapter of the Solar Energy Industries Association has been formed -MICHSEIA -by contractors and companies who are engaged in a commercial solar energy business. The offices for MICHSEIA are located at the Washtenaw County Association of Plumbing-Heating-Cooling Contractors offices. MICHSEIA is in the process of being formed and incorporated, a task which is scheduled for completion in early September. They currently have 35 active charter members with more being gathered every day. At the recent Steering Committee meeting of the Association, Sandra Miller, Assistant Executive Director of the Washtenaw County PHCC, was chosen to act as an Executive Vice President of the Association with Richard Montgomery, Dow Corning Corporation, acting as official spokesman for the group.

The overall objective of the state chapter closely follows the objectives of the National SEIA with whom it is affiliated: "To actively encourage and promote the commercial development of a solar energy industry in the state of Michigan." The existence of a state chapter allows grassroots growth of solar on a local level by providing a forum at which the local companies participating in the commercial solar energy industry business can aid the government and private parties who wish to further the solar energy industry's growth.

The recent passage of the National Energy Act and the Michigan Personal Income Tax Credit Amendment now makes solar energy systems highly competitive in the state. And they were the first steps that were needed to build a large solar business. But, for solar to be large in Michigan, a group of professional contractors must be created to install these systems. Loans must be available to finance them. Builders and homeowners must be educated on the advantages of solar heating. And, the existence of the tax credits must be publicized. MICHSEIA is the organization that will undertake to accomplish these tasks.

OCTOBER 1979

WASHTENAW COUNTY ASSOCIATION

Supervisory Leadership Training



Leadership training for supervisors and employee motivation are two subjects that are becoming increasingly popular for plumbing-heating-cooling contractors in Michigan.

Earlier in the Summer, the Washtenaw County Association, headquartered in

Ann Arbor, sponsored a full day seminar on Supervisors' Leadership Training, with Francis Tritt as seminar leader. The main

thrust of Mr. Tritt's program was to point out the ways a supervisor can work with employees to make them more productive. Many contractors from the Washtenaw County area and their key personnel were in attendance. Seen in the pictures are Mr. Francis Tritt informally with



Washtenaw County Association President Lloyd Zill and during the seminar displaying his person-to-person contact with the "students" of the seminar.

NOVEMBER 1979

WASHTENAW COUNTY



The Washtenaw County Association, which is the headquarters for the Michigan Solar Energy Industries Association, MICHSEA, held a two-day conference on solar water heating at the Midland Center for the Arts in Midland on September 17-18. Many interested contractors, exhibitors and users of solar water heaters were in attendance for the two-day event. MICHSEA's Executive Director, Sandy Miller, was there supervising the event and can be seen above, second from right. Sandy was also a frequent visitor to the booths which exhibited solar equipment in the hallway of the Center. Teaching seminars talked about the effectiveness of solar water heaters as well as the techniques and installation. For more information on MICHSEA and future events, call Sandy Miller at 313-665.5051.