

**Fox Valley Electric Auto Association
1522 Clinton Place
River Forest, IL 60305-1208**

Address Correction Requested

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NEXT MEETING: FRIDAY December 17 at 7:30 PM at Triton, INDUSTRIAL ARTS Building, Room 139. Note the new meeting room at Triton. The building is on the EAST campus.

DISCUSSION TOPICS: 1. Recap of the November meeting. 2. Consideration of letter to Triton regarding Student SAE Chapter conversion of vehicle for Triton. 3 Conversion discussion

MEMBERSHIP INFORMATION

Any person interested in electric cars is welcome to join the FVEAA. The cost for a full year's dues is \$ 20 which will entitle the members to receive our monthly Newsletter that contains useful information about electric car components, construction, policies, and events. Membership is not required to attend our monthly meetings

To obtain information about the FVEAA, you may contact either Past President Ken Woods or President Shafer

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December, 1999 PRESSEZ

Our future meetings have been approved by Triton's Board. I have arranged for a change in meeting room assignment. Future meetings will be in Room 139 of the Industrial Arts building, located on the EAST side of Fifth Avenue, south of the Collins Center (The building with the lighted "T") . I believe this will better serve our requirements. I appreciate the help of the Triton Facilities Manager, Kathy Kaspar.

I believe the November meeting was of value to those who attended. Everyone also appreciated the work of Member Larry Claypool in moving his collection of unique automobiles outside where they could be viewed and especially Larry's detailed description of the each car.

A draft letter to Triton proposing that a conversion project be initiated will be presented at the meeting for member's consideration.

December is the last chance to renew your membership.

BILL

NOVEMBER 20, 1999 MINUTES

The meeting began in Frankfort at 10:20 AM. Twenty- two members and four guests attended. Warfield Electric Co. Owner, Jerry Warfield, gave us a tour of his electric motor plant..

Jerry explained the process of repairing electric motors. The first step after disassembly is to remove the existing windings from the armature by cutting all connections to the commutator on a lathe and removal of conductors from their armature slots. He demonstrated how replacement coils are wound from coated copper flat stock of the proper size. The individual coils are then formed in an arc.

Each slot is insulated with NOMEX before the coils are inserted. Each coil is carefully positioned and spot-welded to the proper commutator segment.

The stator is disassembled and rewound in a process similar to the armature.

The entire armature and stator are then dipped in a plastic “varnish” compound and oven baked. The adhesive in the cured compound holds coils rigidly in their slots. Any coil movement under the magnetic and rotational forces in the motor could lead to failure.

The final step before re-assembly is dynamic balancing of the armature.

The Frankfort plant has a staff of 85 persons. Warfield also operates other plants in various locations in the U.S.

The tour was concluded with a Q&A session

After the Q&A, President Woods called the meeting to order. Minutes of the October meeting were approved with some comments about the accuracy of map directions. Treasurer Corel reported no change from the previous financial report.

Members approved the recommended slate of officers and directors. Members were reminded to renew their membership before the end of the year.

New President, Bill Shafer, stated that member’s data from the returned application forms will be used in a new database. Previous errors would not be repeated - and this caused some laughter.

The meeting was adjourned at 11:30 AM and the group moved to Member Larry Claypool’s “VAIR garage, about four miles from Warfield’s. Larry has assembled a personal collection of over twenty unusual cars. He moved them out of their garage space for display in the driveway. Larry gave a comment on each vehicle, exhibiting a detailed knowledge about the history and construction of each.

At 12:30, the group moved to the Bierstube Restaurant in downtown Frankfort for lunch. The town has been historically restored to a 1900’s appearance.

The Editor has received several phone calls from those attended saying they found the meeting informative and enjoyable.

Submitted by Secretary Aarvold and from Bill Shafer’s notes.