What: Dinner Meeting
Speaker: Warren G. Alexander
Topic: “Things Every Welder Should Know” – Too Soon Old and Too Late Smart
Where: Shaker Ridge Country Club
802 Albany Shaker Road, Latham, NY
When: November 3, 2015
Time: 5:30 PM socializing; 6:30PM Dinner
Cost: $15.00; Student: $5.00
RSVP: By October 29 to Bob Christoffel 372-8260
Or: rchristo@nycap.rr.com

About the Talk
The talk will describe how steel is produced and using basic metallurgy explain how steel is improved or degraded by various heat treatments and by procedures used in welding. Much of what we know today was learned the hard way; dealing with fatigue cracks, brittle fracture, delaminations, hydrogen cracks, lack of fusion, cold laps and low toughness in welds.
Years ago strength was emphasized at the expense of the ductility and notch toughness needed to avoid failure. Reviewing the history of welded steel bridges and buildings and the things that have gone wrong, we will see the importance of metallurgical phase transformation on performance. What we old timers learned the hard way can now often be found easily on the internet if you know where to look. The talk will focus on what we learned in many years of creating and repairing structures by welding and will tie it to basic ferrous metallurgy.

About the Speaker:
Our speaker, Warren Alexander has been a member of the Northern New York Section of AWS for 55 years. He was an engineer with the State of New York for 30 years and while there, was responsible for engineering services for bridge construction plus all structural metals, fabrication and erection for construction of the Empire State Plaza, or South Mall. He has served on the AWS Structural Welding Committee for many tears and is the principal author of the NY State Steel Construction Manual, the original AASHTO/AWS Bridge Welding Code and the fracture Control Plan for Non-redundant Bridge Members. He has also been an independent Structural Metals Consultant to government and industry since 1965 specializing in design, fabrication and erection of welded structures, and non-destructive testing and repair by welding.

General Stuff:
This meeting is a great opportunity to learn about the “Real Life” of welding construction from one who has been there and done that. And to top it off, he is a local “boy!” This will also be a chance to renew old friendships. The meeting will be at the Shaker Ridge Country Club where we have been having our dinner meetings for the last few years. It is on the Albany Shaker Road, which is also the airport road. It can be reached off Route 7, at the Keeler Motors intersection or from Wolf Road in the
other direction. The turn off the Albany Shaker Road is a bit tricky because you turn at the sign for the Hilton Garden Inn, so keep your eyes open when you are by the airport.

Our Entrée Choices for the dinner are:

- Chicken Parmesan
- Sole Francaise
- Roast Top Sirloin Beef w/mushroom onion gravy

PLEASE NOTE THAT I MUST HAVE YOUR RESERVATION AND ENTRÉE SELECTION BY NOON TIME ON THURSDAY, OCTOBER 29TH. THIS IS A REQUIREMENT OF THE CATERER, SO PLEASE GET YOUR RESERVATION IN ON TIME.
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