

LINCOLN® ELECTRIC STABILIZER®

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Published for welders who take pride in their jobs

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The Power Behind Indy Cars

Who comes up with the ideas, puts them together, and makes things perform more often than anyone else? Right, welder-fabricators. It's true at the Indy 500 and other Grand Prix circuit races. The welder/fabricators/mechanics



The Liberty Bell Story

design and build the parts that solve problems, help the cars go faster, and devise repair techniques that work. Indy cars are sophisticated brutes according to Tim Wilson, chief mechanic, McCormick Racing. Making exceptional straight-line horsepower and rugged suspension systems for the turns work together is his overall concern. Tim finds that better control of the square wave (using his Lincoln Square Wave 355) makes for better welds, easily.

More than half of the Indy car construction is accomplished with welding, to say nothing of repairs. Name it—chassis, exhaust header systems, intake manifolds, tubing, shafts, brackets, housings, fittings. Lloyd Killingbeck, Dick

Simon Racing, purges many parts before and during welding. He compared his change from another power source to a Square Wave TIG 355 to switching from a compact car to a luxury sedan.



Garage N15, where welding saves races at the 500.

Garage N-15, the only site at the Speedway where welding is permitted, is often considered a race saver. A. J. Watson Lincoln Electric Fabricators of the Year winners like Steve Hasegawa, Galles Racing, and Tim Homburg, Newman-Haas Racing agree. Even the Penske Team, which has an abundance of its own resources, is glad to have the Indiana Oxygen—Lincoln Electric team available when needed according crew chief Gary Buckner. The Welding Garage is always ready with skilled technicians, state-of-the-art equipment, a variety of electrodes, sheet, and gases.

The work is hard, the hours long during the racing season. Winning a big race is well worth the effort. But there



Newly refurbished Speedway entrance.



Jack Bissey, Lincoln District Manager, Indianapolis; Dave Upton, Indiana Oxygen Technical Representative; Robert Brant, former president of IO; Dennis Klingman, Lincoln Technical Specialist.

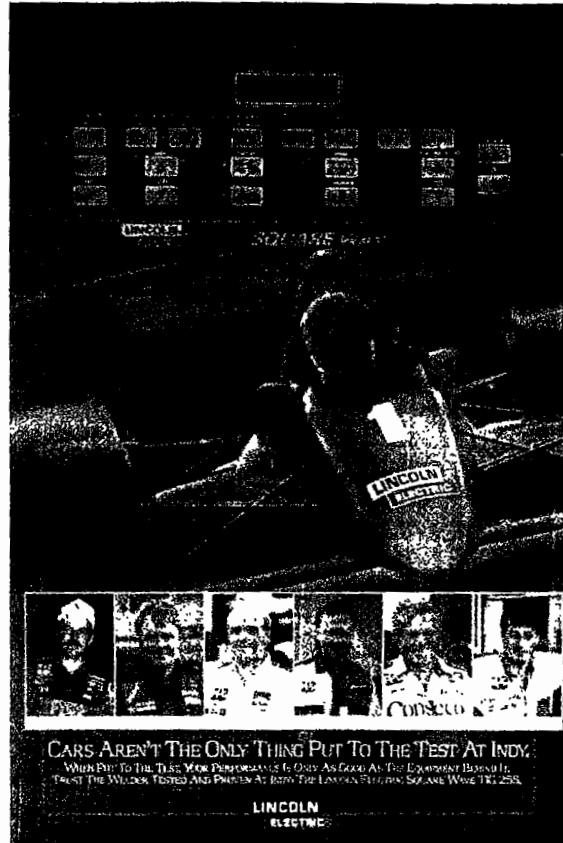
is tremendous satisfaction attainable in many other ways. Coming up with an idea to solve a problem or make a performance improvement that teammates agree with is gratifying. Then fabricating your idea into a reliably functioning device is the greatest feeling in the world. These top mechanics and crew chiefs know the exceptional experience of becoming the best in their field—and working with the best.

Start with welding basics and keep on improving your skills, learning all the processes and all the characteristics of the many materials you'll work with. Attitude, they suggest is extremely important. You have to be ready to do



Stainless part being repaired with a Square Wave TIG 255.

whatever is needed, when needed. Everything you learn to do—and learn to do efficiently—adds to your expertise, your list of skills, and thus, your financial advancement. Maybe most important is the respect you'll receive from some of the most highly skilled tradesmen in a demanding business. This advice from the pro's applies, of course, to any job, any project.



Great racing poster with superstar welder/fabricators available for \$5 each.

Stars of the new Lincoln Electric Racing poster are:

- Dan Hare, Fabricator, Walker Racing
- Tim Homburg, Fabricator, Newman-Haas Racing
- Jerry Breon, Senior Fabricator, Penske Racing
- Bernie Myers, Crew Chief, Dale Coyne Racing and president of Championship Association of Mechanics(CAM)
- Phil Casey, Chief Mechanic, HayHoe Racing
- Steve Gough, Chief Mechanic, Dick Simon Racing

All have signed a number of posters lately. These gentlemen are among the best of the best—solving problems, creating new methods, new devices. All are welders of the highest order. Should you ever have the desire to make a crack racing team, mechanical skills and expertise in welding are a must.

If you can weld, make fabrications of the quality that these experts produce, you're the best. If you can't match their expertise right now, stay in the race, work hard at catchin' up. Then pass 'em.

Randy Glassburn
Editor



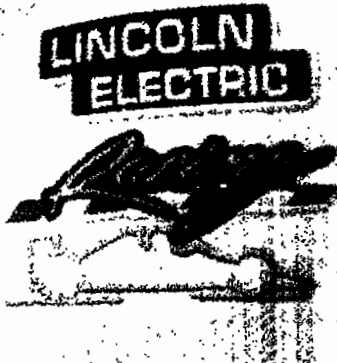
Jacques Villeneuve waves in triumph.



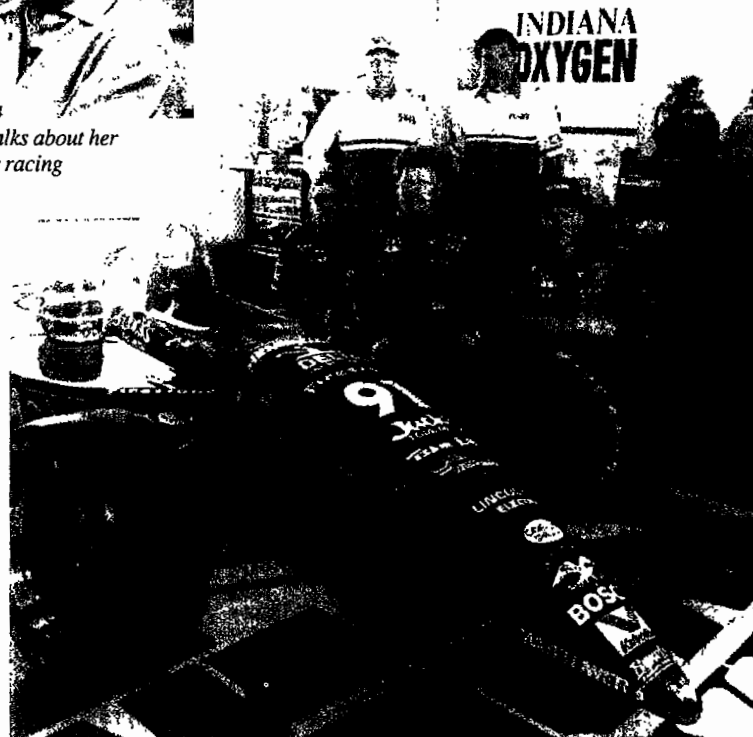
Indiana Oxygen nitrogen cylinders ready in the pits.



Driver Lyn St. James talks about her involvement in Indy car racing



Lincoln race team emblem.



The Stan Fox team was proud to compete in the 1995 Indy 500.