

ROTARY BEACON

The Morehead City Evening Rotary Club

Chartered May 19, 1925



November 13, 2014

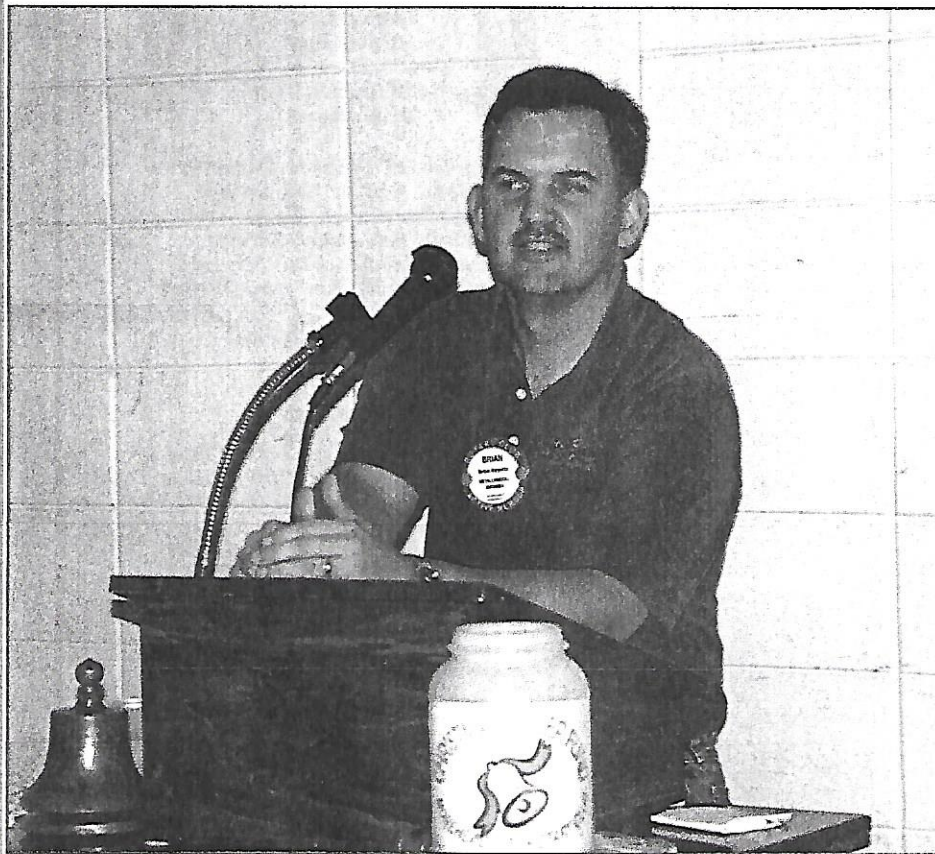


Rotary Motto: Service Above Self

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TONIGHT'S AGENDA

- Greetings from President
- Invocation
- Pledge
- Songs
- Happy Dollars
- Ace of Spades Drawing
- Dinner
- Old Business
- New Business
- Introduction of Speaker
- Speaker's Comments
- Adjourn with Four-Way Test

Cold Spray Technology Offers a Cheaper and Quicker Method of Repairing Damaged Planes

Brian Boyette had the program at our last meeting. Brian was out of town the previous week and had no time to secure a guest speaker. Instead he gave an account of a trip to Australia he took for his employer, the Naval Aviation Depot (NADEP) at Cherry Point.

Brian is a metallurgical engineer---a field that specializes in the design of new materials, their structure, properties, and performance. The purpose of the trip to Australia was to learn more about a new process that offers an alternative to welding called "cold spray." Cold Spray technology is based on the simple concept of shooting heated, atomized solid powders at a substrate at speeds of up to 500-1000m/s. The spray coats a broken part and coats it sufficiently to restore its former strength and durability. "It's like throwing a dirt clod against a wall to see how much of it will stick." The cost is appreciably less than other processes available for repairing broken parts. The Australians have used this process for some time now. NADEP is considering adopting cold spray once the technology is proven reliable.



Tonight's Guest Speaker

Jim Chalk has the program tonight. His guest speaker is Rodney Kemp, Morehead's raconteur par excellence.