

Non-traditional paths to becoming a golf-course designer Mike Nuzzo



Early golf-course architects didn't have a earned an aerospace engineering degree sion. In fact, the term wasn't coined until some of the greats—Alister Mackenzie was a doctor, Walter Travis a machinery merchant, Perry Maxwell a banker and Pete Dye an insurance salesman. Today, many golfcourse architects get their start with a degree in landscape architecture and internships with golf-course builders or design firms, or maintenance experience on the course.

I did not take the traditional route. At the age of eight, I drew putting courses for my father that intricately wove around our apart-

standard path to follow to enter the profes- from Boston University, worked at the world's largest aerospace company and 1901. The field became a second career for became a lead engineer designing, integrating and testing huge deployable antennas for geosynchronous global telecommunications satellites. I then decided to take a risk by leaving my career and pursuing my dream of designing courses.

I had my first glimmer of hope for breaking into the industry while reading Golf Course Architecture: Design, Construction & Restoration (1996) by Dr Michael Hurdzan, specifically the pages on CAD (Computer Aided Design). My eyes lit up, Eureka! ment and I later caddied during my high Having had extensive experience with CAD school years at Maplewood Country Club in when working in the aerospace industry, I New Jersey. I took a hiatus from golf and knew immediately that it would be my best

approach with an architect. For six months, spoke frequently with Baxter Spann of Finger Dye Spann, Inc. (FDS) in Houston. During my first visit to his office, I got a glimpse of a stunning routing tacked up on his wall. I was definitely in the right place. After a casual round of golf, I got my first opportunity to demonstrate my abilities by modelling a green complex. I learned a lot about construction plans and taught myself a new CAD system that had the capability to create renderings. This exercise soon became a need, as a rendered view was required to help finalise the clubhouse location.

Seth Raynor also had an engineering background. His entrance into the golf world was as a surveyor. At the age of thirty-three, he was hired by Charles Blair Macdonald to OPPOSITE: Black Mesa Golf Club. La Mesilla. New Mexico, USA, A view of the 389-yard, par-4 fourteenth Mike Nuzzo.)



Beaumont Country Club Beaumont, Texas, USA. Course architect: Alex Findlay (1906); master plan renovation by Baxter Spann of Finger Dye Spann, Inc. (2004). (Courtesy of Mike Nuzzo.)

York, which became the National Golf Links acquaintance of mine from a Golf Course team to the site and assist. Staking green of America. A stroke of luck made it possible Superintendents Association of America locations, tees and turning points in the midfor surveying to further my own goal. I hadn't (GCSAA) trade show sent two people to town dle of nowhere, under dense tree coverage surveyed before, but how hard could using to survey for a local architect. Because the with spiders the size of my hand, was near

survey a large property in Southampton, New had actually helped design one before? An hurricane Allison, I was asked to drive the Global Positioning Satellites (GPS) be since I city's rental cars were unavailable due to impossible, enabling us to locate no more



Bull Creek Golf Club: plan of the 376-yard conceptual opener of a proposed course in Arkansas, USA. (Plan by Mike Nuzzo.)

than a few key points. This left a lot of time glorious Blackhawk course near Edmonton. completion of the Roy and Pete Dye for me to learn how to use the system and To create the course, the only plan used was map. My fee was the use of the equipment the routing study. Whitman attended Sam and support for a future project.

Houston State University in Huntsville, Extreme difficulties on a thickly vegetated Texas, with no intentions of becoming a golfsite lead me to wonder how architects create course designer. He earned a psychology courses if they have no idea where they are. degree and played on the golf team. As a stu-How do they create plans? What if they don't dent, he played locally at Waterwood even use plans? While playing golf across the National and eventually found a job and a Canadian Rockies, I had the good fortune friend working for superintendent Bill to have lunch with Rod Whitman at his Coore. At Waterwood, he assisted with the FDS's construction plans are extremely

designed course. With a recommendation from Coore, Pete later hired Whitman for other projects. Whitman has since designed on his own, his first solo project coming from an old friend, and has also collaborated with Coore and Ben Crenshaw.

For other architects, plans, either created by hand or using a CAD program, are integral to the process of designing a course.

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struction, a product of Joe Finger's disci- Demaret, at The Monster course at The Forme, having freedom is the essential founplined practices and the firm's experience Concord Resort in Kiamesha Lake, New dation for being creative, so I developed a with creating low-cost municipal gems, such York. Byron Nelson's request of Finger to middle-ground process with user-friendly as, Pinon Hills in New Mexico and a renova- help rebuild the eighth green at Augusta software and hardware. It allows for the flexition to Memorial Park in Houston. Finger National was a career highlight, and they bility and the freedom of drawing by hand, was a four-year letterman on the golf team, later worked together again on the design of and it has the same rote number-crunching under coach Jimmy Demaret, at Rice Riverhill Country Club near Kerrville, Texas. abilities to easily compute feature areas and University in Houston and later earned a Finger was fortunate getting into the busimasters in chemical engineering from ness, but the initial transition from orderly Massachusetts Institute of Technology and regimented engineering to what he (MIT). A member and former champion of viewed as nonconforming practices in golfthe city's Westwood Country Club, Finger course design, construction and mainteleft his successful fifteen-year career and the nance was a shock to his system. He wrote company he founded to pursue his child- about his strong beliefs in a series of magahood dream of designing courses. In 1957, zine columns, which in 1973 was published the club commissioned Ralph Plummer to as The Business End of Building or Rebuilding redesign its original nine holes and add a a Golf Course. new nine. To get his start, Finger served as the course's unpaid 'superintendent' and did consuming and repetitive, and I found that a all of the engineering work, using the train- precise CAD model is more effective in the some good ones, and Spann received some ing and discipline learned in his previous aerospace industry, not in golf. With CAD, I career. Plummer later suggested that Finger can design a bunker down to a single grain him. I offered to take photos for him the next apply for the course design contract at of sand, but it won't help the contractors time he needed some. Periodically, I had Randolph Air Force Base in San Antonio. because they don't use the data in the same been taking pictures of courses I visited Finger got that job and many more, includ- way. Besides, the constructed bunker can whenever I travelled. On a trip through the

detailed and allow for cost-conscious coning a collaboration with his former coach, take years to mature into its intended form.

cut and fill volumes. It also prepares a bill of

Plans are great for technical purposes, but photos are useful tools for architects to market themselves. In fact, photography was partially what helped pique Pete Dye's interest sufficiently to hire Tom Doak. Many architects do not have suitable photographic records that showcase their work. While helping Spann improve the FDS website, I I consider drawing by hand to be time- went on a photo scavenger hunt locating the best pictures of the firm's work. I found other professional images that did not thrill

Midwest, I produced a wealth of images, can survey; that's old hat for me now. The which were well composed but wouldn't assignment was 'as-built'—plans that show make a great coffee table book. I wanted to what has been constructed on the ground take better pictures, so I dusted off my from the architect's 'plans'. I initially measfather-in-law's old Nikkormat and great ured greens, tees and bunkers for cost estiwide-angled lens, and off I went to practise mates and ultimately created comprehensive ing a professional golf photographer to learn course was the renovated Jack Rabbit at what he did best, read landscape photogra- Champions in Houston. I have since films and conditions and took hundreds of Joachim and fortunate to glean a wealth of pictures to become proficient. As luck would knowledge from his twenty years at the club. have it, Spann's next need for photos was at What a great friend and mentor he has been. Black Mesa Golf Club in New Mexico. What I have expanded our working relationship to a delight to visit, photograph and support include a renovation of the club's range and construction. I'm proud to say that those images were published in several national improvements to the Plummer-designed publications.

helped me further that same goal. While meeting with a local golf-course builder, the firm mentioned a need for surveying. Sure I course designer; they introduced me to the

shooting my home course. I spent time help- and user-friendly plans for the club. The phy books, experimented with different become close with superintendent Charles practice facilities, as well as master plan Cypress course. I have also been fortunate to Learning new skills of generating plans, learn from former US Masters champion surveying and photography, has helped me Jackie Burke Jr—the club's co-founder with become more involved in the industry, and I Demaret and owner. Listening to Burke's have also been lucky enough to meet some ideas about how a club should be run has special people along the way who have been invaluable, as well as his take on business, members, playing and life.

My experiences did not make me a golf

game I love and its most treasured grounds.

field. As an engineer, it wasn't until I learned A conducive environment

the manufacturing process by studying technicians and machinists that I could design most effectively. It's the same with golfcourse design. Mastery of the details can lead to success, as can some luck—just like the

vith natural surroundings and access to the game's history helps to foster design creativity. (Courtesy of Mike Nuzzo.)

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