



About 60 quartz iodine fixtures, used to light 2,062 yard Par 3 at Boca Ree-al, give an authentic day-light effect.

Achieve Ingenious Lighting Effects at Anderson, Ind. Par 3



Handsomely designed miniature at Anderson course is a real attraction. (Below) Clubhouse and pro shop architecture is in keeping with overall excellent layout of the Indiana golf center.



Indiana's first lighted Par 3, Boca Ree-al located in Anderson, had an auspicious beginning in July when Sam Snead and Patty Berg came in to play it during the opening day festivities and, two days later, the state's leading pros and amateurs were invited to take part in a 36-hole \$4,500 tournament there. The initial promotion was quite costly, but considering that several businessmen put \$240,000 into a 50-acre plot that includes beside the short course, a miniature and range, there could be no skimping on what amounted to "golf week" in Anderson.

The miniature and 25-tee range also are lighted, as are many similar installations in Indiana, but this is the first time that any Hoosier capital has been put into the lighting of any course.

Described as a luxury layout by Cy McBride, Indianapolis Star golf writer, who recently did a feature story on the course for his newspaper, Boca Ree-al is about 3,000 yards long. Length of holes ranges from 103 to 229 yards and the putting surfaces, on an average, encompass more than 5,000 square feet of bentgrass.

Lights Are the Thing

Persons who are planning to invest in Par 3 layouts are, of course, very much interested in learning everything possible about bentgrass, bluegrass, green contour and the many other ingredients that go into the construction of a course.

But in the last year or two they have
(Continued on page 124)

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Ingenious Lighting Effect

(Continued from page 70)

become even more intrigued with lighting arrangements. It is realized that, as exciting as the landscape may be when a course is imprinted on it, it probably won't pay off unless there are lights hovering over it.

Earl Wilde, president of Par Light Manufacturing Co. and Par Golf Co., Milan, Ill., firms that have made scores of mazda installations throughout the country, has this to say about the Par 3 situation: "I won't go so far as to say that the actual course is incidental to the lights, but since 1960 it seems that practically every prospective owner of a short course has been more concerned about how it is going to be lighted than anything else. He knows that he has to have night play if he is going to reclaim his investment and start making money."

Cost Breakdown

Wilde's companies installed the lights at the Anderson golf center. The cost, not including labor was \$27,763. It was broken down in this way:

Quartz-Iodine Fixtures	\$8,361
Aluminum poles	5,185
Transformers	3,255

20,000 ft. of wire	2,400
8,000 ft. high voltage wire	2,296
Switching equipment	2,116
Labor, Misc. Costs	4,150

Such things as welding, fabricating and installation costs were included in the \$3,600 charge for poles. Labor involved in trenching, laying of the wire and hooking up of transformers added up to about 200 hours.

Ingenious Engineering

Par Light has come up with what is considered an ingenious engineering idea for power distribution at the Boca Ree-al center. Five pad mounted transformers are located in various spots on the course, which is reduced to 2,062 yards for night play through the use of alternate tees. The transformers are about three feet square and three feet high, are tamper proof, and even though they are handsome pieces of equipment, they can be hidden from view if desired through the use of shrubbery. Wires are completely invisible in the Anderson installation.

The high voltage wire leading into the system carries 4,160 v but is reduced to 240 v through the transformers. Par Light engineers claim that this does away with an expenditure of approximately \$9,000 for copper wiring and is superior to a sys-

tem in which there is low voltage distribution. By using the series of transformers there is no voltage drop, and with them, it is possible to operate lamps at slightly higher than rated voltage to increase lumens output and foot candle readings on greens, tees and fairways.

Use 60 Poles

About 60 poles are used in lighting the Boca Ree-al center. On the Par 3 course they are 30 feet high at the greens and about 35 feet high above the tees. The quartz-iodine lighting fixtures consist of 1500 watt, 240 v wide beam and medium floods.

On holes that don't exceed 100 yards in length, excellent horizontal lighting effects are achieved on tees and greens through the use of single poles in each location. However, if the holes are to be extended much beyond this length, Par Light engineers say that fairway fixtures should be installed. In many cases, the fairway poles can be installed so that adjacent fairways can be lighted through additional fixtures installed on them.

Valley Club, Scottsdale, Ariz., will hold a golf rodeo early in January for Western Senior players. Leo Gaulacher, pro, is chairman.

Play, Sales Up 10 Per Cent

(Continued from page 66)

cent. Apparently the Golfing program of acquainting members with the private club member's obligation to do business with the pro shop caught on. Pros co-operating in this campaign did not report higher than 5 per cent of member business away from the pro shop. Pros at many clubs criticized cut-price and mail order advertising in some golf magazines as being designed to reduce the pro shop market.

64 Per Cent Equipment Sales

The over-all average of division between playing equipment and apparel and shoe business at pro shops was 64 per cent of sales revenue in balls, clubs and bags and 30 per cent in apparel and shoes. The remaining 6 per cent of pro shop sales this year will be in accessories. The range of percentage of playing equipment sales in dollar volume at pro shops was from 30 to 80. About 28 per cent of the metropolitan district private club pro shops were approximately 50-50 in playing equipment and apparel and shoe sales.



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