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**BEARD** from page 25

communities, however, the one-inch cutting height is most favorable. Many golf course fairways in the United States are maintained at this height. This is one of the key contributing factors to the presence of annual bluegrass in these fairways along with the high quantities of irrigation water being applied.

The final observation supports two earlier pieces of research that have shown, contrary to the popular concept, that annual bluegrass root growth and development is just as good as for Kentucky bluegrass and creeping bentgrass. The general concept that annual bluegrass is a shallow rooted species has probably arisen from the conditions under which it is frequently found. That is, it grows and can survive better than the other two species in compacted, poorly drained soils. These conditions result in a shallow root system. However, if the three species are grown under comparable soil, environmental and cultural conditions, there is no significant difference in long term rooting. This piece of research goes one step further and shows that during the initial establishment period annual bluegrass actually has a better rooting capability than Kentucky bluegrass or creeping bentgrass. This factor may be quite important in contributing to the capability of annual bluegrass to encroach into Kentucky bluegrass and creeping bentgrass communities. □

## GOLF WORLD SOLD

SOUTHERN PINES, N.C.—*Golf World Magazine*, for more than 25 years published under the Harlow banner, has been sold to Beckwith Enterprises, Inc., of Princeton, New Jersey.

The publication was sold by Lillian Harlow, widow of the publication's founder, Harrington Harlow. President and publisher of the golf news weekly is Edmund Beckwith Jr., whose New Jersey company is a management consultant firm in the financial and technical fields. Editor Dick Taylor has been elected vice president and editor-in-chief.