

What price turfgrass progress?

New golf courses are coming into play in ever increasing numbers. There is a growing demand for superintendents and turfgrass managers. The need for better grasses, equipment, chemicals and fertilizers becomes more apparent every year. The purse and prizes for tournaments grow ever richer.

Funds for supporting turf research, teaching and extension continue to dwindle. Tax assists and state aid diminish as pressures for tax funds increase. Grants-in-aid for turf-oriented firms have dropped off alarmingly. Unless help comes soon, some states may consider reducing their turfgrass programs. This would be unfortunate from every standpoint. There is a growing demand for college-trained turfgrass managers. The need for superior grasses and management techniques was never greater. Turfgrass interests of all kinds are being short-changed because they do not get the extension specialist assistance to which they are entitled.

The Pennsylvania Turfgrass Council is one tax-exempt organization that has developed a plan to give needed financial support to the turfgrass project at the Pennsylvania State University and to maintain it at its present high level. There are other councils, foundations and associations working along similar lines. With the exception of necessary operating expenses (stationery, postage and secretarial help) every penny collected goes to the turfgrass project. There are no salaries or travel expenses. Briefly the council invites sustaining members at \$100 a year and individual members at \$10 a year. Total involvement is the name of the game. Sustaining members

include golf clubs, industrial firms, golf course architectural firms, turfgrass consultants, golf course superintendent associations, cemetery associations, sod growers and others. Provision is made for those who feel they cannot afford \$100 and for those who can afford to contribute more. Some clubs have set up a "council membership" item in their maintenance budget—a recurring item. It's all explained in a new brochure just off the press, free for the asking at Box AA, College Park, Md. 20740.

This plan may not be the best, because we have not tapped tournament gates and purses. We believe that we can keep the program going. With over 500 golf courses which are direct beneficiaries, we believe that the future of turf in Pennsylvania is secure.

Q—*In the May, 1971, issue of GOLFDOM you answered a question on zoysiagrass. I have a few tees ready to plant in the spring on which I had planned to use Pennncross bent. What do you think about my using a variety of zoysia? I'll mow the tees about three-eighths inch. If I use zoysia, should I buy sprigs or plugs or is seed available? Could I overseed with ryegrass?* (Wisconsin)

A—My advice is to stay with the Pennncross bent and mow at one-fourth inch. Your season is too short for zoysia of any variety. Pennncross will do well on a low phosphorus diet, using about six pounds each of slow-release nitrogen and of potash from sulfate of potash. You can blend this mixture yourself from 1,200 pounds of ureaform and 800 pounds of sulfate of potash. Ten pounds per thousand of the mixture three times a season provides the needed N and K.

Q—*We have Pennncross bent greens and common bermudagrass col-*

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On June 23, 1971, the Environmental Protection Agency issued amended registration 8959-1 for CUTRINE algaecide.

CUTRINE is now registered by the E.P.A. for use in:

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spike 18 greens in less than 2½ hours). And man-hours aren't wasted in walking. Maintenance costs go way down too, for you have Cushman quality and **less equipment to maintain.** Cushman Motors and its nation-wide network of dealers stands behind each item in the system. Your best assurance of good service after the sale.

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NEW...Greens Spiker Spikes a 57-inch swath. Twice as wide as others. Aerates to 2½" depth on 1¾" centers. Turf guard fingers leave greens undamaged, ready for play. Operator raises or lowers unit from his seat with simple mechanical device. Travels between greens quickly with no loading or unloading. Up to 150 lbs. of weight can be added easily for hard packed soils.

NEW 8HP MINUTE-MISER

Now available with one-third more power for transporting supervisors and workmen and for towing ball pickers or the new low-bed utility trailer. Makes it possible for men to do much more work in much less time. Easy riding, easy to drive, easy on the turf with its fat 6.50 x 8 turf tires. The Minute-Miser has a new, powerful 8hp gas engine, yet is still competitive in cost with other vehicles offering far fewer quality features.



NEW...Low-Bed Utility Trailer Economical but rugged low-bed trailer with fat, turf pampering tires. 35" x 66" bed. Easily carries two hand mowers, tools or up to 250 lbs. of chemicals, trash containers or other equipment.



A covered cargo box for hand tools and light equipment is available, and the Minute-Miser can be fitted with an extra seat to make it a two-passenger vehicle. Headlight, taillight and horn are standard.



New, 8 hp. Minute-Miser



Fairway and Greens Sprayers High-capacity centrifugal pump powered by Turf-Truckster power take off. Spray boom, tank, hoses and other accessories go on and off as a unit in seconds. All components corrosion resistant. Spray calibration control so precise that chemical wastage due to overlapping or careless application is virtually eliminated. Can cut chemical costs 25%. A handgun for tree spraying is standard equipment.

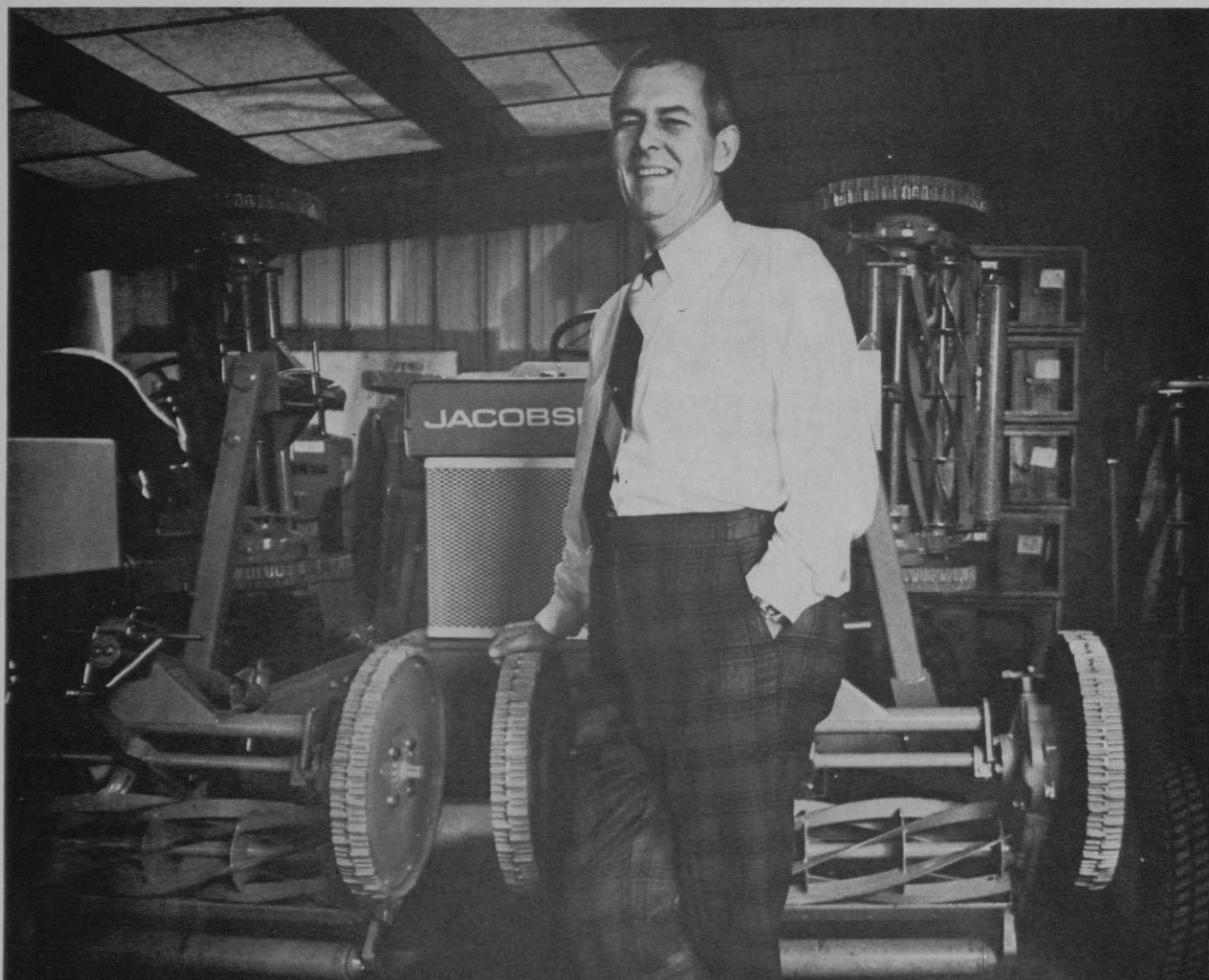


Dump Bodies The big-box model (57" x 53" box) is available with manual or hydraulic dumping mechanisms. Both have swinging tailgates controlled from the operator's seat for metered dumping. Ideal for top dressing large areas or carrying refuse or soil. The hydraulic mechanism is powered from the PTO. The big box can easily carry up to 1000 lbs. of equipment or materials.



Cyclone Spreader This wide-area spreader is operated from the PTO and can be mounted in seconds. Holds up to 3 bushels of grass seed, fertilizer or other materials. Spread varies up to 40' depending on material and speed of operation.

For more information circle number 262 on card



He wouldn't ask you to buy anything he wouldn't buy.

Unlike some other manufacturers, Jacobsen doesn't own any of its distributors. Like Jim Walker of Outdoor Equipment Company, Inc., St. Louis, Missouri, all of us Jacobsen distributors are independent, competitive businessmen.

This means that before we sell anything to you, Jacobsen has to sell it to us first. Which makes us Jacobsen customers just like you. But with one difference.

We, as distributors, are in constant touch with Jacobsen. Feeding in new ideas, suggestions, and comments from you, our customers.

And at least twice a year Jacobsen holds a Turf Distributor Panel Meeting in Racine. Jacobsen meets with distributors from all over the country, and examines the entire turf line. Nobody pulls any punches. Past sessions have led to important product innovations.

Because we're constantly involved with Jacobsen product development, we buy the best line of turf equipment made. Then we sell it to you. From one satisfied Jacobsen customer to another. And we won't sell you something unless we're sold on it first.

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For the name of the Distributor near you, write: Jacobsen Turf Distributor Directory, 1721 Packard Avenue, Racine, Wisconsin 53403

For more information circle number 148 on card



Bob Jones' tribute

Now those who had the pleasure of knowing **Bob Jones** can think of him as happy history, instead of with the heartaches of seeing him as a tortured, immobilized man.

We've had several great golf players. Bob was the greatest by any careful use of the word. He was also of the highest grade in other respects: as a son, a husband, father, businessman, citizen, student, soldier and all-around sportsman.

Bob Jones played golf as a game. His family, business and his friends were his living.

Jones played golf as earnestly as an

educated man should play the game. He didn't play it intensely for long. He quit a winner.

Bob Jones saw the sport that he played as a game become a huge business that crushed out of the game the zest of competition that was enjoyed by earlier experts. To that big business Jones contributed a great deal of class that made the business grow.

Jones and his comrade Clifford Roberts in building the Augusta National course and in establishing and running the Masters, put the Jones' quality shining in two important departments of golf business: turf development and tournaments.

Scenically the Augusta National site was glorious, especially in the flowering spring. As golf course soil the mushy gumbo in the valleys through which trickled Rae's Creek was about as bad as one could get. But Jones was determined to show that the South could provide championship playing conditions equal to any in the world. So he gave the first big break to Wendell Miller, a drainage authority from Ohio State University. Miller was trying to prove that better drainage meant better construction, better turf, better maintenance and longer play. The United States Golf Assn. Green Section had been urging clubs and architects to go along with Miller, but he didn't get very far until the word got around that the wonderful world of Jones and Roberts was proof that if courses didn't have proper drainage, they were losing many many rounds of play a year. Miller's kind of drainage began to mean millions of dollars of revenue added annually.

The wonders being worked in southern golf turf improvement by the patient unsung geniuses at the

continued on page 28

Ten good reasons you should

Recommend Golden Ram!



① It has the liveliest center of any golf ball made. Outre-bounds liquid centers by as much as 50%.

② The Golden Ram has maximum high-tension windings.

③ It features a Du Pont Surlyn "A" cover that simply will not cut.

④ Its windings adhere to the cover so the Golden Ram can never lose compression . . .

⑤ Or go out of round.

⑥ Thanks to its unique cover material, the Golden Ram plays well in extreme hot or cold weather.

⑦ It has a sparkling white finish that will remain white and new looking for the life of the ball.

⑧ Its outstanding construction provides a crisp "click" and distance equal to, or better than any ball made.

⑨ The Golden Ram must pass more tests (Air-cannon, initial velocity, compression, rebound, extreme temperature, etc.) than any other ball.

⑩ The Golden Ram is field tested and played in tournaments by many of the leading touring and home Professionals.



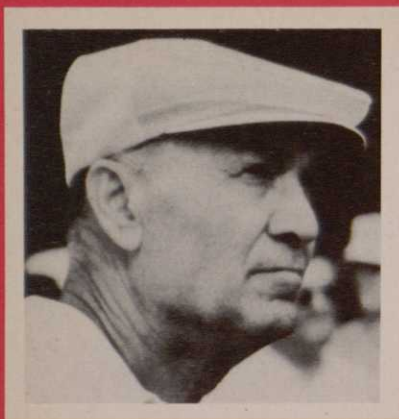
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For more information circle number 204 on card



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This same concept, design and meticulous manufacturing process is carried through the *WOODS SYSTEM*.

In turn, the *IRONS SYSTEM* and the *WOODS SYSTEM* are designed to interrelate and develop the fullest measure of performance as a *MASTER SYSTEM*!

Above you can see the perfection of the graduation of the stepdown pattern of

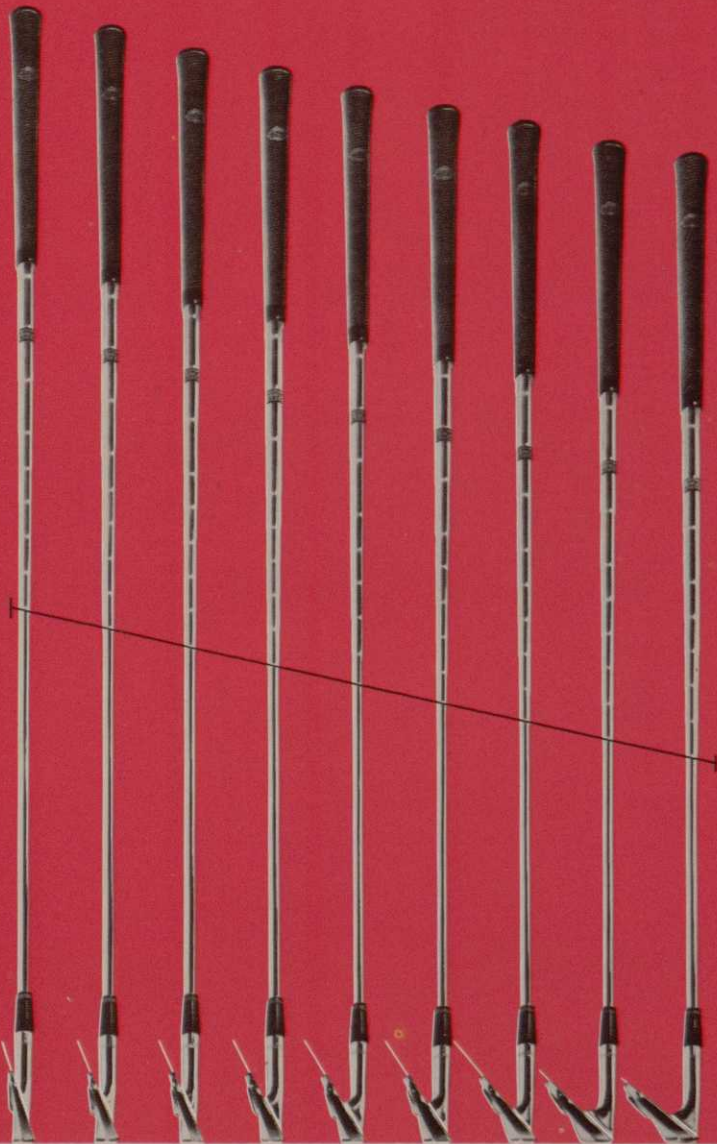
our exclusive high performance Apex Shafts. We design and manufacture an individual shaft for each club!

A. Shows the carefully controlled 10" radius of the bulge and roll of the Wood club face which I have absolutely proven to be the best for maximum distance and accuracy.

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Above is shown the micrometer controlled degree of perfect loft from wood to wood and iron to iron.

The leading edge of each iron is 50,000 of an inch back from the hosel for *perfect* alignment.



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After you have made a careful examination of our clubs, ask your Golf Professional to swing-weight test our clubs against any competitive set you may be considering. Our clubs are designed with less than the weight of a dollar bill in swing weight variation from club-to-club within our *IRONS* and *WOODS SYSTEMS*.

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Ben Hogan



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GRAFFIS from page 25

Tifton experimental station and other southern spots wasn't recognized until many southern clubs suddenly realized that the marvelous condition of the Masters' playground was a Tifton exhibit.

Bob Jones was one of the finest friends pro golf ever had, not only in the Masters, but in his own club and elsewhere. When his club, East Lake, needed a professional Jones selected George Sargent, former United States and Canadian champion, a gentleman who was a scholarly and effective teacher.

As a kid Bob Jones made the impulsive mistakes a kid does playing a game. After his first tournament at St. Andrews, where the course proved it was smarter than he was then, he naughtily picked up. But he quickly grew up to be a man and apologized for his childish misconduct. He was taken to the hearts of the Scots. Years after his petulant debut at St. Andrews, he was made a Freeman of the Burgh.

Jones did pro golf a lot of good at a time when the professionals themselves said that in the Open, it was the

field against Jones.

In 1926, when Walter Hagen was playing pro for the Pasadena real estate development at St. Petersburg, Fla., and in print getting bundles of

In amazement and with a happy thrill rare in our years Joe and I got the news we had received the United States Golf Assn. Green Section award.

We can gratefully accept the honor as two who share it with thousands of fellows working on golf courses, in turf research and in the often thankless responsibilities of green committeemen and in providing machinery for improving efficient maintenance of courses.

Theirs is the achievement. Because of our very good luck in being able to work for them, Joe and I are privileged to take a bow for them.

Thank them all and the USGA whose sponsorship and financing of the Green Section has contributed greatly to the beautification of the United States.

money, but privately had the shorts, Bob Harlow, Hagen's manager, asked Jones to play a 72-hole match: 36 at Whitfield Estates at Sarasota, then at Pasadena. Jones wasn't inclined to play, but when Harlow told him Hagen needed cash help right soon, Jones agreed. He got trimmed 12 and 11. Hagen had an amazing putting streak. Hagen got \$7,600 for the match, by far the largest exhibition match fee ever paid to that date.

Jones was golf's "verray parfait gentil knight."

You won't see any like him again.

In making the Bobby Jones Award of the USGA to **Michael F. Bonallack**, captain of the 1969 and 1971 Walker Cup teams, the committee unquestionably gave its vote to a man who plays golf and lives in the Bob Jones spirit. The far-reaching spirit of Jones in golf is indicated in that the high award bearing his name has gone to Joe B. Carr of Ireland, Gerald Micklem of Britain and Roberto de Vicenzo of Argentina before it was given to Bonallack of Great Britain.

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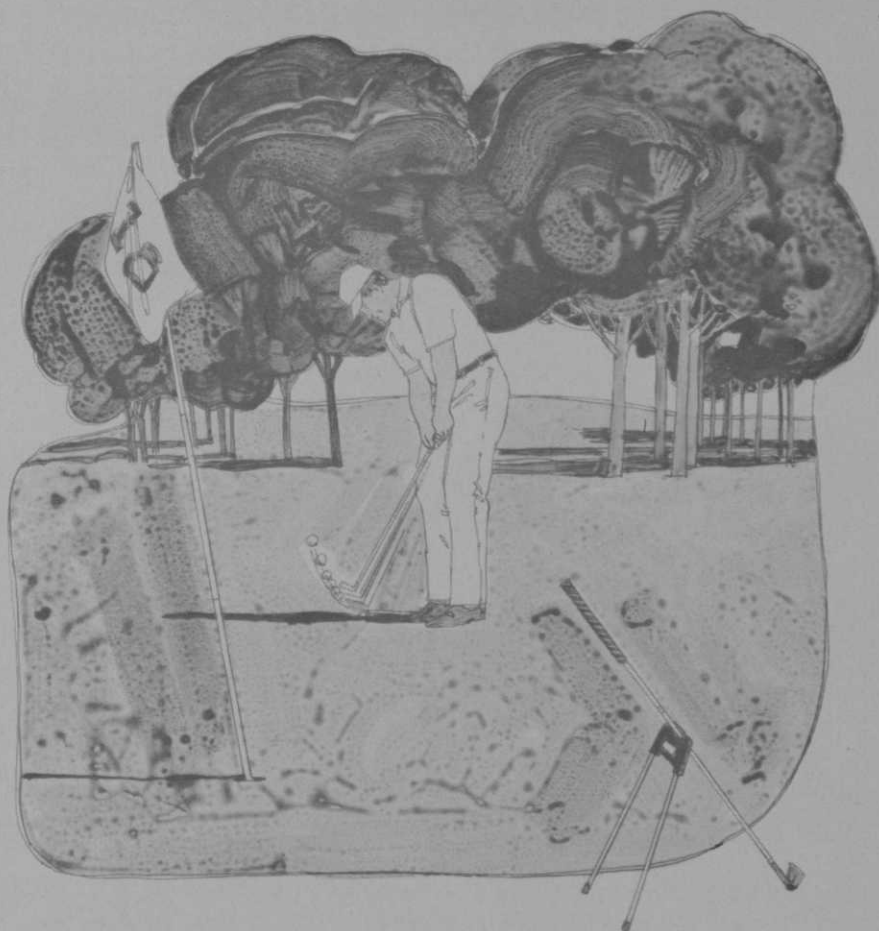
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