

TORO

Step 1

TORO FLEET SURVEY

TORO FLEET SURVEY

TORO
GRASS CUTTING
CALCULATOR

- Are you keeping abreast of available modern equipment?
- Are your manpower costs high for mowing?
- Is the job of mowing satisfactory?
- How old is your machinery?
- Can you keep the grass cut under heavy growing conditions?
- Does your equipment have high maintenance costs?
- Do you know if your mowing fleet is adequate?

TORO

Fleet Proposal

How the TORO PLANNING SERVICE Can Benefit You...

• How many acres are actually kept under maintenance?



• How much equipment is needed?



• How much investment is required?

- 1 CAPITAL EXPENDITURE
- 2 CONTRACT PLAN
- 3 LEASE PLAN

TORO
FLEET
FINANCING
PLAN

HUDSON TORO SALES CO., INC.
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TORO POWER HOUSE, INC.
White Plains, New York

NORTH CAROLINA
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Charlotte, North Carolina

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THEO. H. DAVIES & CO., LTD.
Honolulu, Hawaii
THEO. H. DAVIES & CO., LTD.
Hilo, Hawaii

TORO MANUFACTURING COMPANY



Prestressed roof slabs give column-expanse to permit greater freedom of movement for vehicles within the building at Butterfield CC.

Floor plan of the service center, which includes repair shop, shows extreme flexibility. 50-ft spans of prestressed concrete are fireproof, permit changing of interior partitions to meet future needs.



Selling A Maintenance Building

(Continued from page 74)

Working within a close budget, Larsen designed a 50- by 120-ft building of utter simplicity that met Butterfield's maintenance needs. Using a concrete floor slab, walls of concrete blocks, and a roof of pre-cast and prestressed concrete, Larsen fulfilled requirements for permanence and economy as well as completely eliminating any maintenance problem.

Low Insurance Premiums

Another important advantage of the fireproof building was the lower annual fire insurance premiums. By utilizing prestressed concrete roof slabs, a fireproof material carrying a two-hour fire rating from Underwriters' Laboratories, the fixed cost for fire insurance premiums was reduced substantially. Considering that club properties are in a "high hazard" category, remote from fire fighting equipment, this is important.

Design Practice Course for School Sports Field

Robert Muir Graves, Pier 39, The Embarcadero San Francisco, has pre-

sented interesting suggestions for a practice golf course that can be installed on athletic fields of the type provided for modern high schools. Hurdles, jumping pits, running tracks, baseball diamonds and goal posts are among athletic field areas and equipment simulating golf course hazards. Graves, a course architect, described his ideas for a school course to the third annual golf clinic sponsored by the National Golf Foundation and the California Assn. for Health, Physical Education and Recreation, with the cooperation of San Jose State College and the PGA. Graves has put his suggestions and sketches into a copyrighted booklet.

Yearbook of Agriculture

The Yearbook of Agriculture for 1961 covers all facets of the seed business. It may be obtained from the Supt. of Documents, Washington 25, D.C. at a price of \$2. Most congressmen, however, have copies for free distribution.

Buyers' Service • P. 159



GEAR-DRIVEN
SPRINKLERS



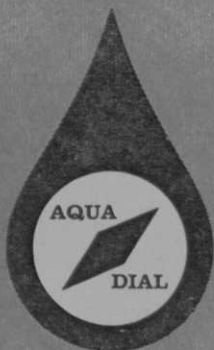
CAM-DRIVEN
SPRINKLERS



QUICK-COUPLING
EQUIPMENT



STATIONARY
HEADS



POP-UP
HEADS



VALVES



CONTROLLERS



SPECIAL APPLICATION
VALVES

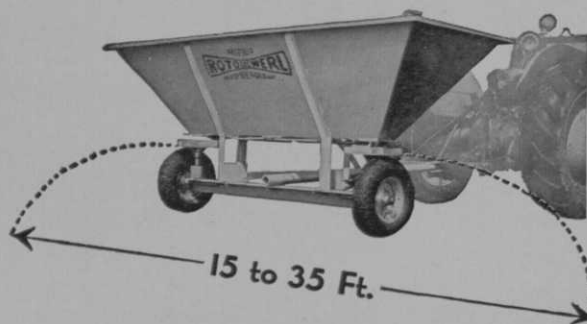
NOW! **AQUA-DIAL** *with*
the most complete line of turf
irrigation equipment answers
all your watering problems.

Write for free catalogue:

AQUA-DIAL 

P. O. BOX 1325, NEWPORT BEACH, CALIF.

SO WIDE!



See the new spreader specially built to meet golf course requirements. Precision spread leaves no gaps or streaks . . . 15 to 35 ft. pattern speeds application . . . big-load 800-1300 lb. capacity cuts down re-fill stops. Call your dealer for a demonstration now!

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With 15 to 35 Feet
Fast, Even Coverage

- 100% accurate flow rate control—20 to 1500 lbs. per acre
- Stainless steel flow gates
- Lifetime, sealed bearings
- Simple, durable



SPREADER

WEST POINT, PENNSYLVANIA

PGA Reports \$76,000 Collected During National Golf Week

Latest compilation of National Golf Week contributions shows that the nation's golfers donated nearly \$76,000 in 1961 to golf charities and other projects. More than \$800,000 has been raised for these activities during the last nine years, according to the PGA which promotes the annual event and collects the donations for distribution by the National Golf Fund, Inc.

By mid-September, Rackham GC, Royal Oak, Mich., had made the largest contribution to the fund, remitting \$1,257 through its pro, Chet Jawor. Other large contributions came from Oak Park (Ill.) CC, Olympia Fields (Ill.) CC, Lake Merced (Calif.) G & CC, Eldorado CC, Palm Desert, Calif., Swope Park GC, Kansas City.

More than 72,000 golfers participated in this year's National Golf Week.

Three Golfers, Including Nixon, Get Aces in PGA Contest

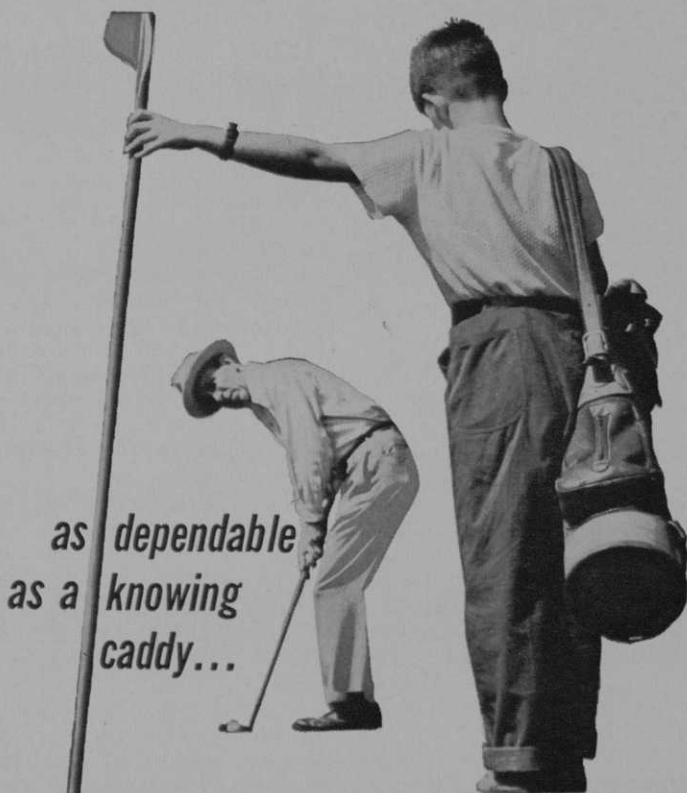
Mark W. Anderson, Lubbock, Tex., won the fifth annual PGA National hole-in-one contest held on Labor Day. Anderson, 51-years-old bakery firm manager, scored his winning ace on the 187-yard fifth hole at Hillcrest CC in Lubbock. Runnerup was Lloyd Pollock, playing at the Elks CC, Hamilton, O. He scored a 163-yard hole-in-one. The only other player to get an ace during the Labor Day shoot was former vice president, Richard M. Nixon, who hit the cup on the 155-yard third hole at Bel Air CC in Los Angeles.

A total of 632 club contests were held in the hole-in-one competition and more than 125,000 golfers competed. In four previous contests, a total of 32 aces were scored.

Tree Fertilization Guide

"A Guide for Fertilizing Shade and Ornamental Trees," can be obtained by writing to the National Arborist Assn., Inc., PO Box 426, Wooster, Ohio.

Buyers' Guide • P. 159
Classified Ads • P. 156



as dependable
as a knowing
caddy...

K&M ASBESTOS-CEMENT UNDERGROUND IRRIGATION PIPE

So smoothly and dependably does quality K&M Asbestos-Cement Underground Irrigation Pipe supply water to thirsty fairways you hardly know it's there.

There's never a costly maintenance headache. Flow is uninterrupted. Your pumping costs remain low. This practically indestructible pipe won't tuberculate, resists corrosion and is immune to electrolysis. The exclusive, patented K&M FLUID-TITE Coupling forms a leak-tight and root-tight joint that wastes not a drop of water under all operating conditions.

Another plus is speed of installation, with minimum interruption to your playing schedule. This modern pipe assembles in two easy steps. A 5° deflection, permitted at each joint, enables the pipe to follow the contours of your grounds.

Choose K&M Asbestos-Cement Underground Irrigation Pipe for your fairways and heaviest water pressures. For sprinkler systems around greens, we recommend durable, economical K&M Plastic Underground Irrigation Pipe.

For more details, write: Keasbey & Mattison Company, Ambler, Pa., Dept. P-20101.



**Keasbey
& Mattison**
at Ambler

Swinging Around Golf

(Continued from page 28)

events for last quarter of the year . . . El Macero CC, near Sacramento, Calif., designed by Bob Baldock and put into play about a year ago, has Bermudagrass airstrip near the first tee . . . Course was built on land where beets and tomatoes grew only two years ago . . . Ernie George, onetime assistant at North Shore CC in Chicago, is pro and Frank Emery is supt. . . . Through August, there had been 13 aces shot at Willowick GC, Santa Ana, Calif., "home of the hole-in-one" . . . As we recall, the 12-month record there is 21 . . . Incidentally, Willowick features one competition that other clubs might want to copy — putting contests between teams of men and women.

Low net winner in Houston Chronicle-Municipal Golf Assn. tournament will receive Doyle Beard trophy in the future . . . Beard is a Chronicle sportswriter, recently honored at an awards banquet for contributions he has made to golf in the last 37 years . . . "Lighthorse Harry" Cooper, member of the PGA Hall of Fame, has been named resident pro at Doral CC, located four miles west of Miami's International Airport, and which is opening this Dec. . . . Resort spot has two 18s and a Par 3 . . . Jay Hebert, Bill Collins and George Bayer also are on the Doral staff . . . Joseph W. Markey, 79, retired caddiemaster at Merion CC, Ardmore, Pa., died in Sept. at his home in Ardmore . . . He is survived by his wife and two daughters . . . Three robbers who broke into the Countryside GC, near Mundelein, Ill., in Sept., tied up the night watchman and stole nearly \$3,000 in cash and merchandise from the clubhouse and pro shop . . . The hoods used two golf cars to transport the loot across the course to a waiting automobile.

New Pauma Valley club, near Rincon Springs, 22 miles north of Escondido, Calif., is talking about holding World Championship tourney in three years . . . First prize to be \$100,000 in a fully paid annuity plus the option of being the club's playing pro for one year at \$20,000 . . . In the Scottish newspaper, *Courier and Advertiser*, a correspondent writes: "It is ironic that the decision to limit the player to 14 clubs stimulated the very end it was meant to defeat. For what was set down as the maximum number has become in fact the minimum. Anyone daft enough

to want to carry 20 clubs should be allowed to do so."

Robert Trent Jones building five courses in Hawaii, two for Laurance Rockefeller, two for Henry Kaiser and one for American Factors . . . Jones also has planned remodeling of Los Angeles CC North Course on a five-year plan and the remodeling of Bel Air CC at Los Angeles . . . He is building El Rincon CC in Bogota, Columbia.

J. Ray Braswell, pres., Avery County Chamber of Commerce, says organization is planning 18 to be built at Newland, N. C. . . . Wilson B. Wilkes head committee to build Circlestone CC 9 at Adel, Ga. . . . Montgomery Country (Md.) Park & Planning Commission has architect, Eddie Ault, designing 27 for construction near Indian Spring.

Russell Kerns, with Hans Schmeisser, executive supt. of Country Club of Miami (under construction) recently elected pres. South Florida Assn. of Golf Course Supts. . . Dino Pollitz elected vp; Joe Konwinski, sec.-treas. . . Directors elected: Peter Harris, Walter Palmer, Jos. Yuzzi and Otto Schmiesser.


Open first 9 of Broomfield (Colo) CC . . . Bob Fox is pres. . . Club in community developed by Northmoor Management Co., was started as Northmoor CC . . . Robert DePrato, Jacksonville, Fla., promoting formation of golf club in Crestview, Fla. . . Antioch (Calif.) many course to get second 9 . . . Wm. Snipes heads committee organizing club at Cal-hour Falls, S. C. . . . Milo Clark to be pro of Singing Hills CC, Dallas, which is opening first 9 soon. . . Brookings-Harbor C of C interested in getting course at Brookings (Curry Co.) Ore.

Absolutely no truth to the tale of a golf promoter arranging to conduct the Western Golf Assn. Chick Evans caddie scholarship fund raising in return for promoter taking thick layer off the top . . . James M. Royer, Western president, burning at promoter's claim, said the latter's story is "an unmitigated lie." . . . That will banish the alarms of those, including Chick Evans, who were shocked by the threat of making the Evans caddie fund a racket.

Jack Koennecker, pro at Twin Orchard CC (Chicago dist.), to winter job as golf director and chief pro at new Canyon CC, Palm Springs . . . On Koennecker's staff at Canyon will be his Twin Orchard asst. Gene Lesch, and two others from the Chicago dist., pro Tony Holguin of Mid-



"In side-by-side comparison plantings, Penncross Bentgrass has proved far superior" reports *Bob Baldock*, famed golf course architect. *"**Penncross** has better color, is more resistant to disease, and displays better growth vigor,"* says Mr. Baldock, designer of over 100 fine courses in the Western states, Hawaii and the Philippines. *"It's not a 'fussy' grass, thrives on less care, and does a beautiful job at 1/2 to 3/4 of a pound per thousand. We recommend it exclusively."* Another *"plus"* for ***Penncross Bentgrass*** is its remarkable adaptability. Whether it's planted on the shores of the Pacific, where the climate is cool and damp, or in the hot, dry San Joaquin Valley, results are uniformly excellent. Ask your NK dealer to tell you more about the dependable results you can expect with ***Penncross Bentgrass***.

 **NORTHRUP KING**, Minneapolis 13, Minn.



Marian Gault (left), head of the Kansas City GA Junior girls golf program for the last 13 years, decided to call it quits last month with the playing of the city match tournament at Mission Hills. When she took over supervision of the program in 1948, Marian counted on it being a two or three-year proposition, but she ran the project so efficiently and was so popular with the bobby sox swingers, that nobody would accept her resignation. The first year the Junior tourney was played, Marian had to get on the phone and round up 35 entrants. This year more than 100 girls, some of whom are seen here, participated in the tournament.

lothian and asst. Dave Taylor of Northmoor . . . Errie Ball, Oak Park (Ill.) CC pro, to Tuscon (Ariz.) CC for 11th winter as pro . . . Bill Ogden, North Shore CC (Chicago dist.), to new Forty-Niner CC, Tuscon as pro . . . Tom Sperling, asst. to Errie Ball, in summer, is Ogden's asst. at 49er CC . . . Ed Barr, caddiemaster at Flossmoor CC (Chicago dist.), bought a ticket just to be a nice guy (which he most certainly is) and came up with a big new automobile.

Funniest thing about the recent mild excitement concerning minute variations from golf ball specifications is that a ring sold for testing the size is inaccurate . . . The USGA standard requires "size not less than 1.68 in diameter" . . . If a ball goes through the usual pro shop testing ring, considering the tiny projection of the junction of the cups of the cover, it may be illegally small, say ball makers . . . The ball situation seems to have a lot of people confused . . . In Britain they've been talking about going to the

USGA larger (1.68) ball as an R&A standard . . . In the U. S. the USGA has been scolding people who have been playing the R&A smaller (1.62) ball because the cheating Yankees think the small ball goes longer . . . My record is clear . . . Never hit the ball long enough to worry anybody.

One of the big name older pros, when he gets new models of clubs from the manufacturers, gives his used woods and irons to caddies or other young amateurs who look to him like potentially great golfers . . . The lucky lads worship the guy, naturally.

Elizabeth Manor G&CC, Portsmouth, Va., believes that it became the first club in the world to have a "Teen Age Day" when about 120 of the members' youngsters and their friends recently took over the club and put on their own program . . . Only adult members who were present were the chaperones . . . Golf, a splash party in the pool, a cookout lunch, clubhouse dinner and dance were on the 8

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Milorganite is the greatest bargain in fertilizers today. It is loaded with dollar value materials completely lacking in the ordinary, so-called complete fertilizers sold to the golf trade.

Based on current market prices, Milorganite should be selling for \$306.09 per ton,

f.o.b. Milwaukee, in carload quantities.

Sound fantastic? Just look at the Value Analysis Chart, below, and you will see our point. Your Green Committee should see the point, too!

Value Analysis Chart

<u>1.) Contents</u>	<u>2.) Value per lb.</u>	<u>3.) Lbs. per ton</u>	<u>Value per ton</u>
Nitrogen			
Insoluble	\$ 0.375	114.60	\$ 42.98
Soluble	0.125	4.60	.58
Phosphorus	0.05	91.80	4.59
Potash	0.065	16.00	1.04
Sulphur	0.025	53.80	1.35
Magnesium	0.065	33.60	2.18
Calcium	0.0061	31.00	.19
Iron	0.075	132.60	9.95
Copper	0.375	0.86	.32
Manganese	0.1375	0.75	.10
Zinc	0.2125	0.33	.07
Lead	0.45	4.50	2.03
Chromium	1.20	4.40	5.28
Titanium	0.27	1.60	.43
Humus	0.03	1,500.00	45.00
Vitamin B-12	95.03/gr.	2.00 gr.	190.00
			<u>\$ 306.09</u>



Another Great Value!
The MILORGANITE Spreader
Fast! Clean! Easy-to-use!
Costs Less To Use!

- 1.) Proven to be not only present but available.
- 2.) Based on Florida State Commercial Fertilizer Values and June Quotations — Oil, Paint and Drug Reporter
- 3.) Contained in yearly composite sample.

In addition, Milorganite contains Molybdenum, Boron, Iodine, Nickel, Chlorine, Arsenic, and Sodium in trace amounts.

Contrast Milorganite's true value with an inorganic 10-6-4. The 10-6-4 is worth about \$25.00 for nitrogen, \$6.05 for phosphorus, \$5.20 for potash with possibly \$5.00 for sulphur and dolomitic lime conditioner — a total true value of \$41.25 per ton.

See the **MILORGANITE Exhibit At Miami Beach**
Have you a Turf Problem?
Write **TURF SERVICE BUREAU**
THE SEWERAGE COMMISSION
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GOLF CLUBS
USE MORE

MILORGANITE

THAN ANY
OTHER FERTILIZER

a. m.-midnight schedule . . . One of the kid committees was a "cleanup" committee . . . Party was a tremendous success, well publicized by local press and was a bright demonstration of the genuine "class," good judgment and responsibility of the Elizabeth Manor CC teenagers and their selected guests.

Mount Anthony CC, Bennington, Vt., is being enlarged to 18 by Supt. Jack Wisted . . . J. Colgate Jerome, prominent New England amateur, prime mover in the Mount Anthony's decision to expand . . . Dick McGahan, Hart Seed rep, travelling New England, says job done by Brandon, Vt., residents in building their own 9-hole public course is an inspiring performance that shows that any community with brains, energy and teamwork can get a good public course . . . Stan English now supt. Nashobe CC, Brandon, Vt. . . John Gavins from River Forest (Ill.) CC to pro job at Skokie CC, Glencoe, Ill., succeeding Jock Hutchison, jr., who resigned to go into business outside golf . . . Gavins' asst. at River Forest CC, Tim Hogan, promoted to the pro spot.

Purpoodock Club, Cape Elizabeth, Me., to build new 9 and new clubhouse replacing one that burned . . . Martindale CC, Auburn, Me., adding second 9 as is Brunswick (Me.) GC . . . Waterville (Me.) CC figuring on second 9 . . . Jack Mansur, Fryeburg, Me., veteran course equipment and supply dealer, says play and building in Maine and elsewhere in New England beats the boom of the '20s and is solid and well financed . . . Weather brutal on Maine courses this past summer . . . Gorham (Me.) CC 9 built by pro Henry Severance and Jim McDonald finishes successful first year, relieving crowded conditions in Portland, Me., area . . . Steve Little building new course at Brewer, Me.

Bannockburn CC, Inc. building first of proposed two 18s as part of real estate project of Vernon Sherman at Deerfield, Ill., changes name to Riverwoods CC . . . Jack Grout from Scioto CC, Columbus, O. to pro job at La Gorce CC, Miami Beach, Fla. . . Tommy Card from Hawthorne Valley CC (Cleveland dist.) to be pro at Carolina CC, Raleigh, N. C. . . Veteran Wilbur Loos, convalescing after illness, resigns as pro at Waupaca (Wis.) CC.

After PGA tournament bureau did its housecleaning it found itself with its big-



Construction of the 9-hole extension of the 18-hole Dorado Beach GC, Puerto Rico, started last January, will be completed soon. The new 9 begins and ends in the vicinity of the clubhouse.

gest winter tournament money schedule . . . And after all the hassles about conflicting dates, to which the PGA has been a party, there are five conflicting dates in the winter schedule, three of them closer together than Portland, Ore., and Cincinnati, the latest two cities to be tangled in the tournament date jamming.

Snead, as a Ryder Cup player, has far outdrawn other players and his galleries have enabled the hosts to come out with a profit. . . Golfers all over the world want to see him . . . That's why hosts of the International Golf Assn. tournaments asked for him as one of the American team and got some other pros green-eyed . . . Palmer ought to be the big draw in England now, but if Snead isn't there it will cost the host club money.

Merry party at Idlewild CC (Chicago dist.) which has a long record for rewarding the help . . . The banquet was for Gus Conrad who has been lockerroom man at the club for 50 years . . . Members gave Gus a fat check, etc., his wife got flowers, etc. . . Club president shined Gus' shoes, and with his teammates on the committee, presented Gus with a box of cigars . . . Veteran employee wore a tall silk hat thru the winging.

Jack McLean, pro at Gleneagles, Scotland, for 10 years, knew hundreds of Americans who have visited that lovely spot . . . Last winter, on a trip to Florida and other spots he added to the extensive list of American friends that he acquired beginning in 1936 when he played in the U. S. Amateur at Garden City GC and lost in the final to John W. Fischer on the 37th hole.