

Green to Tee Distances Add 18% to Course Length

INTERESTING DATA on distance between greens and the next tees at the Virginia CC, Long Beach, Calif., appears in the club's magazine. From the locker room to the first tee is 75 yards. Longest distance between green and tee is 97 yards from 13th green to 14th tee. Shortest is 30 yards, from 15th green to 16th tee. It is 95 yards from 18th green to locker room.

The non-golfing distance is 1,125 yards added to the 6,193 yardage of Virginia's excellent course.

Spalding's War Output Increased in 1944

★ **SIXTY-SEVENTH** annual report of A. G. Spalding & Bros., Inc., issued by Charles F. Robbins, pres., showed an increase in sales for the fiscal year ended with Oct., 1944, from \$11,505,746 to \$14,511,895.

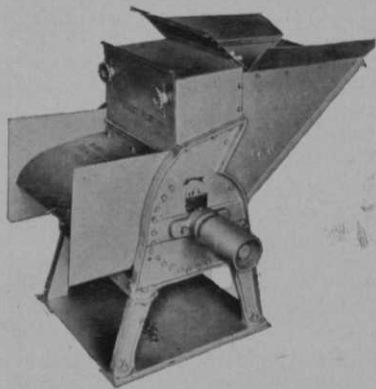
Consolidated net income for the year transferred to earned surplus amounted to \$623,330 after providing \$164,060 for interest on the 5 per cent debentures, \$548,694 for taxes and \$150,000 reserve for

post-war rehabilitation and other contingencies. The net income for the preceding year was \$502,842 after providing a similar amount for debenture interest, \$277,212 for taxes and \$150,000 for post-war reserve.

Current assets on Oct. 31, last, amounted to \$10,510,883 and current liabilities to \$2,513,353, compared with \$8,786,609 and \$1,613,646, respectively, a year earlier. Cash was increased to \$3,634,486 from \$1,191,489, while inventories were slightly changed at \$2,054,591, against \$2,154,611.

Second Lt. Gerry Bert Jr. of Seattle, Wash., one of the most promising younger stars, holder of the Silver Star for heroism at Tarawa and cited by Adm. Nimitz for conspicuous gallantry, fell victim to Jap sniping in the Tinian Island invasion. Gerry won the city junior in 1937 and repeated in 1938 and annexed the State junior title. In 1939 he was co-medalist in the national public links tourney, winning the city amateur title that and the following year . . . With dates yet to be decided, the Washington State championship ship has been awarded to the Tacoma G&CC. Originally the event was scheduled for Yakima CC following which fire destroyed their clubhouse.

For BETTER COMPOST use the WICHITA WONDER Compost Grinder



THIS MODEL comes in two sizes, feed opening 18 in. by 23 in. or 24 in. by 23 in. Other models to fit any compost grinding need. Cylinder assembly is built to stand shock of iron, rocks, and tramp material. Hammer bodies are $\frac{1}{4}$ in. steel, 4 in. wide. Shaft is heavy alloy steel, mounted on heavy duty ball bearings. Designed for all types of power and for easy hookup. Patented features no other grinder has, make the W-W "the finest to be had."

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Dept. D. Wichita, Kansas

Chemical Control of Common Weeds on Golf Courses

By A. L. BAKKE

Iowa Agr. Experiment Station, Ames, Ia.

Weeds like the poor we always have with us! The fundamental reaction to weeds is to pull them! If there are not too many of these *out-of-place plants* we can do this, otherwise we have to resort to other means. The eradication of weeds in lawns and golf courses is exceedingly difficult. For one thing the plow and the harrow, so important in the eradication and control of weeds in our agricultural lands, must be left behind. "Discourage the weeds by encouraging the grass" is the basic law of the greenkeeper. During these war times, the successful control of weeds of our greens becomes even more difficult; laborers, fertilizers and many chemicals so necessary for weed killing are not with us as they were before Pearl Harbor; many greenkeepers along with the chemicals have gone to war. Naturally we will get along as best we can;

(Reprinted from Transactions of the Iowa State Horticultural Society, Volume 78, 1948)

weeds of some greens will be given a furlough. At any rate we should not allow our weeds to increase their area of infestation or to produce seed. We should bear in mind that when the war is over, there is bound to be a greater use of our golf links than before the war.

Many of our greens now have a good turf. By proper watering and regular mowing, the grass can be kept in a thrifty condition. If the turf is mowed too closely, the vigor of the grass is reduced and the invasion of weeds encouraged. Cutting blue grass to a length of two inches is better from the weed restriction standpoint than a shorter length. It is also obvious that when an old lawn or an old green is heavily infested with dandelions or quack grass, it is best to spade up the area to a depth of 12-18 inches and rake out the roots of the unwanted plants. The ground will no doubt contain many weed seeds and these seeds should be encouraged to germinate before final seeding is made.

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A Lasting Investment in Safety MADE FOR HEAVY DUTY TRAFFIC

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CORRIDORS • • WET WEATHER RUNNERS
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Now—before the season gets under way—is the time to provide for under-foot safety and floor protection that will endure.

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PRODUCTS CO.
L. E. WARFORD, President
415 Wheeler Lane, Akron 8, O.

Seeding should be made preferably in August and only pure seed should be used. Many spots infested with weeds need not be disturbed but may be treated with suitable chemical compounds. No weeds should be allowed to go to seed. Some concern should also be given to fence rows and adjoining property.

Weeds fall into two classes: Annuals and perennials. The annuals complete their cycle, seed to seed in one season. They may be separated into two divisions:

1. Annual grasses: Crab grass.
2. Mat-forming weeds: Chickweed, knotweed, spotted spurge, speedwell.

The perennials may also be placed in two groups:

1. Grasses: Quack
2. Rosette forming: Dandelion, plantain, self-heal, ground ivy.

Grau according to Robinson Craft and Raynor in their book, *Weed Control*, McGraw-Hill Co., New York, 1942, has listed the worst weeds of the golf course in order of their descending importance:

Putting green	Fairway	Rough
Crab grass	Dandelion	Dandelion
Chickweeds	Crabgrass	Thistles
Dandelion	Plantains	Plantains
Plantain	Chickweed	Ragweed
White clover	Rumex sp.	Rumex sp.

Crabgrass, dandelion, plantains and chickweeds are the most common. In the rough one may find any number of weeds of various genera, even poison ivy and buck brush.

The most economical and logical method for the eradication of weeds in lawns and turfs is hand weeding, provided of course the area is not too large and provided, too, that labor can be obtained. When the soil is moist and the weeds young, they are easily extracted from their footing. The job at best is tedious and continuous. Where such perennials as the dandelion are present it may be just as well to dig them out as to use some other method. It was not so long ago that this method of digging dandelions was about the only effective method of control. If the weeds got too thick the ground was plowed, reseeded and fertilized. "Learn to like them and to live with them" was a motto adopted by the less ambitious human being. We are glad that there were a few experimenters around.

A comparatively new arsenic compound, milarsenite, has come forward. It is a combination of sodium arsenite and milorganite, both made by the Milwaukee Sewerage Commission. Here you have the arsenic to kill the weeds and the milorganite to fertilize the grass. It is often applied at the rate of approximately 300 lbs. per acre. The Rhode Island Station has obtained good results from its use. The action is one of food depletion. The early growth of annuals is stopped by one

TIMELY TURF TIPS

Milorganite is the ideal source of nitrogen for greens. They need enough Milorganite to maintain dense turf and minimize dollar spot.

Fairways have been generally neglected. Turf improvement should start at the first opportunity. Most fairways are badly in need of fertilizer, many require lime, and on some a weed eradication program should accompany or precede fertilization.

Our Turf Service Bureau and Soil Testing Laboratory are available to those desiring assistance in formulating an effective and economical green or fairway fertilization program.

SOME Milorganite is available for use on golf course turf. If you can't get all you need, please remember MILORGANITE is still in war service—for building turf on airfields and for increasing food production.

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Milwaukee, Wisconsin

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application; with dandelions, buckhorn and broad-leaved plantain it is usually necessary to have two spring applications and two fall applications. Milarsenite is used principally on fairways. Light infestations of crabgrass were killed by 200-300 lbs. per acre of milarsenite. Where the crabgrass was heavy enough to cause smothering an application of 400-600 lbs. was necessary.

Sinox, a newly introduced dye stuff, manufactured by the Standard Agricultural Chemical Company, Hoboken, N. J., originally came from France where it was developed in 1933. Sinox, (sodium dinitro-orthocresylate) is extremely toxic and at the same time selective in its action. The material is in some ways similar to picric acid which has been used for a long time as a killing and fixing agent by plant morphologists. Dinitro-orthocresylate is yellow in color and as a dye is known as Victoria yellow. In order to overcome the low solubility property, the material is treated with sodium hydroxide giving the corresponding salt, sodium dinitro-orthocresylate, readily soluble in water at the concentration used in weed control. The commercial preparation is a dense suspension of fine crystals forming a paste 30 per cent sodium dinitro-orthocresylate and 70 per cent water. It is made from

products derived from the distillation of coal. The dry product is inflammable and is one of a number of compounds used as explosives. It is non-corrosive and relatively non-poisonous as compared with arsenicals. It is toxic if taken internally in large doses. Used as a spray it is not inflammable and not hazardous on dry vegetation.

It has been found that the addition of an acid salt such as ammonium sulfate or sodium bisulfate to the Sinox will greatly enhance its effectiveness, making it possible to have the dosage rate reduced. Optimum results are usually obtained when such herbicides are sprayed on weeds in their seedling stage. A one gallon container holds approximately 10 pounds; a common recommendation is to dilute to 100 gallons with water and spray this over an acre of ground. Eight pounds per acre will control black nightshade in peas. Before we go any further it may be well to take an inventory and see what we can do to control our turf weeds.

Crab Grass

(1) Hand weeding; (2) Sodium chlorate (Atlacide)—one pound in 10 gallons of water applied when crab grass is young, two leaf stage—100 sq. ft.; (3) Sodium arsenite—1 oz. in 10 gallons water—1000 sq. ft.; (4) Lawn Sinox 10 gallons of a

GRASS SEED

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ASTORIA BENT

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WHITE CLOVER

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DOMESTIC RYE GRASS

ORCHARD GRASS

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J. OLIVER JOHNSON SEED COMPANY

946-960 W. HURON ST.

CHICAGO 22, ILL.

PHONE: MONROE 6580

2 per cent solution made by mixing 1.8 pints Sinox in 10 gallons water—1000 sq. ft.; (5) Milarsenite, 5-7 lbs. per 1000 sq. ft.

Dandelion

(1) Iron sulfate—1½ lbs. per gal. water—1 gal. will cover about 40 sq. yds. of turf—several applications; (2) Lawn Sinox—1.8 dilution—in blue grass 1/10 lb.—ammonium sulfate can be added as activator—3 applications; (3) Kerosene (White) in September 2 qts. per 100 sq. ft.; (4) Meo 181.—Same rate and same time as with kerosene.

Plantain

(1) Sodium chlorate (Atlacide); (2) Sinox; (3) Milarsenite.

Chickweed

(1) Sinox; (2) Milarsenite.

White clover

Milarsenite.

Rumex species

Dig.

Perennial weeds

(1) *European bindweed (Creeping Jennie)* a. Sodium chlorate: Make holes 18 inches deep, 18 inches apart; place in each hole, 1 level teaspoonful sodium chlorate; fill holes immediately with good soil.

b. Tetrachlorethane: Make holes as under sodium chlorate; place in each hole 2 ounces tetrachlorethane through long

stemmed funnel or employ special probe.

(2) *Canada thistle*

Spray with sodium chlorate or Atlacide about the 20th of June; do not cut plants before spraying. Make second spraying in September.

(3) *Poison ivy*

Spray with ammonium sulfamate (Am-mate).

One should be on the lookout for weed immigrants. The puncture vine so common in California is new to most parts of Iowa. It has been found growing in the railroad yards at Hawarden, Iowa since 1933. Although an annual, the fruit carries prongs which when ripe penetrate automobile tires and make life miserable for man and beast in many ways. Diesel oil is at present the most satisfactory chemical to control it.

In general it would appear that it is possible to carry on our weed control program. Probably it would do no harm if our golfers became more weed minded than they are. If they saw a stray weed in the fairway they would pull it, place it in their golf bag and dispose of it when they came to the club house. Sodium chlorate may be difficult to obtain as such but there appears to be no restriction on Atlacide. It in itself is safer around buildings than sodium chlorate as it is not as much

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CLUB

of a fire hazard as sodium chlorate. Tetrachlorethane may be obtained in limited amounts from E. I. DuPont de Nemours & Company, Wilmington, Delaware or Dow Chemical Company, Midland, Michigan.

Ammonium sulfamate (Ammate) recommended particularly for the eradication of poison ivy is manufactured by E. I. DuPont de Nemours. It is highly soluble in water, non-corrosive, non-inflammable and is not retained in the soil as long as sodium chlorate. It may be that we can use this new material to considerable advantage.

There may not be as many golf players this summer as last but all of us are agreed that as long as we have our golf courses, we should not permit them to become infested with weeds. It is much simpler to keep a good golf course in first class order than it is to make a clean course out of one which has become foul with weeds. "Prevention is better than cure"!

Proper Maintenance Needed by Dishwashing Machine

AT LEAST ONCE a week the dishwashing machine should be given a thorough cleaning and inspection. Dirt is likely to accumulate in small openings and on the less accessible inside surfaces of the washing equipment. Do you know which parts of your machine are easily disassembled to facilitate proper cleaning? Tubes and nozzles are removable in almost all types of machines.

Spray openings vary in area from .012 to .07 square inches. The smaller ones clog more easily. Stiff brushes work well for cleaning nozzles and tubes, but occasionally bristles break off and cause clogging in the manifold. This can be avoided by using a knife to push food particles from the spray tube slots into the tubes. Tubes can be cleared by flushing them with water or blowing them out with steam. Don't bang them.

GOLF PROFESSIONAL AVAILABLE

OUTSTANDING INSTRUCTOR AND HOLDER OF MANY GOLF TEACHING RECORDS. TEN YEARS WITH PRESENT CLUB. CAPABLE OF TAKING COMPLETE CHARGE OF CLUBHOUSE AND COURSE. ADDRESS GOLF PROFESSIONAL, 8901 South Loomis Street, Chicago 20, Ill.

Dirt which interferes with dishwashing machine production is chiefly grease, but deposits of lime, alkali or calcium adhere more tenaciously and can do more lasting damage. Grease layers thicken quickly, imprison decaying food particles, and are friendly to germs, but grease is the type of dishwashing machine dirt that can be gotten rid of most readily.

Strong cleaning solutions should be used cautiously, if at all. Lye is popular for cleaning greasy machines, but it is corrosive and its cleaning action is deceptive: it may merely cut a channel through the grease without removing all of it, and it does not remove scale deposits. Diluted muriatic acid can do a more effective job, but it requires expert handling. There are detergents on the market which will effect removal of reasonable dirt accumulation safely. In the case of long-used machines, however, it may be advisable to employ more specialized services, available through manufacturers, to restore them to condition for a clean start. It is easier to keep a dishwashing machine clean than it is to remove soil from a dirty one.

Weekly inspection combines naturally with the cleaning job. Examine openings in the regular or automatic feeders. Watch for worn washers. Defective spray washers cause loss of pressure. Defective valve washers may necessitate replacement or reseating of the valves. Using wrong wrenches on valves rounds them off or wears them out.

Worn or broken parts should be repaired or replaced. Jagged edges on racks or metal parts are especially bad, as they catch and hold dirt particles, cause dish breakage, and frequently tear into the flesh of operators.

Make sure the pump is always well packed. To obtain new packing of the right type, it is advisable to order direct from the manufacturer of the machine.

Proper lubrication is an elementary requisite for trouble-free service from any machine, but it is often neglected. A few drops of oil should be put in the oil cups in the motor once a month, and grease cups should be kept filled with a good grade of grease. But don't put grease in oil cups, or oil in grease cups! Grease cups should be turned slightly every day,

CONTROL CLOVER in BENT GREENS and FAIRWAYS with LAWN SINOX

Effective, inexpensive. Write for prices and directions.

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(Former address: 14 E. Jackson Blvd.)

so that grease will work down into the machinery.

Maintenance charts can serve as both reminders and reports of daily, weekly and monthly checkups and follow-throughs. If there is no one in your club kitchen to set up a chart designed especially for your department, make use of those available from manufacturers or service representatives. Regular attention to small maintenance jobs will forestall difficulties and extend the life of the machine.

Maine Golf Situation Is Bearish?

By BUD CORNISH

MAINE citizens have complained for some years that the outlanders think you step off a train anywhere in the Pine Tree State and fight your way through wild animals to the hotel. Jack Cottrell, football coach at Deering High in Portland but owner of the Mingo Springs golf course, where he is pro in the summer, says, "Maybe the outlanders have got something!"

Rolla Pillsbury, his greenkeeper, stepped out one twilight with Mrs. Pillsbury for a round. Fritz, a police dog, romped along with them but, like all dogs, started an exploration tour.

Rolla and the Missus had just arrived at the third green when, from the fourth green some 300 yards away they heard Fritz putting on a barking act. The dog's bark was so persistent and insistent that Rolla, carrying his driver, hastened onward.

The Mingo fourth green is near the woods. And when Rolla arrived, there, in one of the trees, was a bear!

Rolla got slightly excited. He had the

keys to the clubhouse, where the nearest telephone was, and he knew a guy with a gun. So he shouted to Mrs. Pillsbury, who hurried over. Rolla gave her the keys and told her to do a Paul Revere to the phone and call Merton Haley, the Minute Man who had the gun.

The Missus bee-lined for the phone, but just then the bear decided to change the situation. He started backing down, with Fritz barking and Rolla swinging his driver, trying to keep him treed. But the bear got down, and with Fritz in hot pursuit, headed for more woods. However, Fritz annoyed him so, a hundred yards away he took to another tree.

Ten minutes later, Haley showed up with his gun.

Bang! Bruin was shot. But Merton had been a little excited, too. His aim was off. Wounded, the bear came down the tree and started another weaving run. Then Rolla, who had been holding the driver all this time, bethought himself of the weapon. Without even watching his backstroke, Rolla wound up and clouted the bear squarely on the noggin.

At Mingo Springs they had bear steak the next night.

Marty Walsh Buys Course.—Marty Walsh, well known in pro circles as one of the active Walsh brothers of Chicago, has resigned as pro at Peoria (Ill.) CC to head the organization which has bought Hickory Hills GC, a first-class pay-play establishment southwest of Chicago.

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Pro only service—8 cents per ball.

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Servicemen Get \$74,000 from CDGA

In addition to the millions of dollars in war bonds and stamps sold through the promotion activities of its member clubs, the Chicago District GA has contributed \$74,109 to Chicago's war relief organizations during the three years of war. This does not include \$5,000 given the Red Cross by the CDGA. According to Mayor Edward Kelly, the two largest contributions from the golfing world received by Servicemen's Centers were the \$10,848.01 in 1943 and the \$15,319.26 in 1944 from the Chicago District GA. In addition to these cash contributions the association, in cooperation with the Ill. Sect. PGA and Midwest Greenkeepers Assn., installed putting greens at Gardner, Downey and Hines hospitals.



Mayor Edward Kelly accepts check for \$15,319.26 from CDGA pres. L. D. Rutherford, representing proceeds from CDGA Dime-A-Round campaign in 1944. L. to R.: M. G. "Scotty" Fessenden, Leslie Muter, Mayor Kelly, L. D. Rutherford and Robert S. Hulbert.

New Poster Spurs Drive for Used Balls

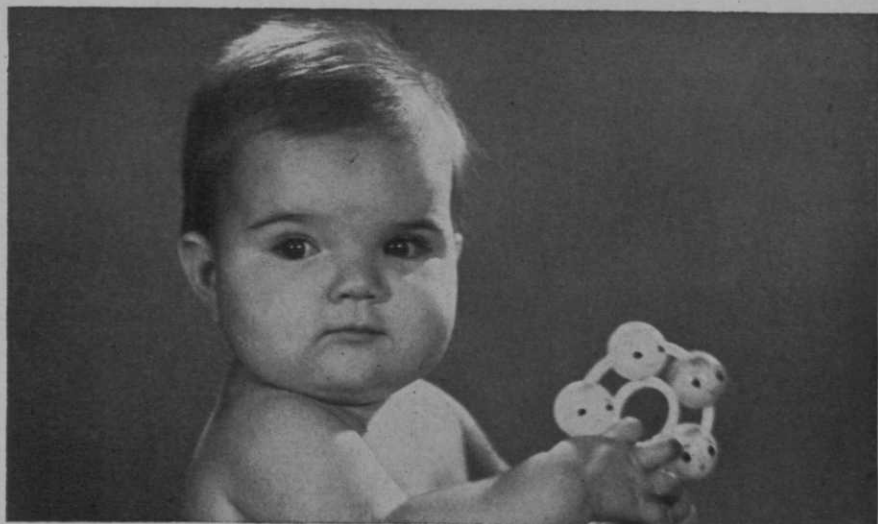
WARNING TO GOLFERS

Don't be deceived by rumors... No new golf balls are in sight for 1945. The acute shortage continues! Next year's play will be threatened with severe curtailment unless every golfer turns in every old golf ball for re-processing. Do your part.. Do it now.

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A commanding, two-color poster stressing the urgent necessity for the turn-in of all unplayable golf balls for reprocessing has been mailed to all golf professionals throughout the south, southwest and western states. Pros at clubs in the remaining states will receive their posters the latter part of March, 1945 will be a critical year for golf balls. With the growing scarcity of balls threatening severely curtailed play, the first and most important order of business at all clubs is to see that the club pro gets all possible cooperation from players and officials in collecting old cuts and getting them reprocessed for continued service. The poster, illustrated at the left, measures 14 x 20 inches with top and bottom of reverse side gummed. Pros are urged to see that the poster is given prominent display. There is no charge for the poster. Additional copies may be had by writing: The National Golf Foundation, 407 S. Dearborn Street, Chicago 5, Ill.



WAR BOND MAN

— CLASS OF '63

Someday you'll want to see that boy, or girl, of yours off to college . . . and *right now* is not too early to start making plans.

Maybe your youngster, like so many other American boys, will work his way through school . . . but even in that case you'll want to be in a position to

give him a little help if he needs it.

By what you put aside in War Bonds *today* you can help *make sure* he gets the same chance as other boys, *tomorrow*.

Chances are you're already on the Payroll Savings Plan. Saving as you've never been able to save before. This is fine *provided you keep on saving*.

But take your dollars out of the fight —and you will be hurting yourself, your boy's future, and your country.

Try to buy more bonds than you ever have before. And hold on to them until they come due!

Golfdom
The
Business Journal of Golf

This is an official U. S. Treasury advertisement—prepared under auspices of Treasury Department and War Advertising Council

Golfdom

The Business Journal of Golf

FEBRUARY, 1945—Vol. 19, No. 2 **EFA**

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GOLFDOM, The Business Journal of Golf. Published monthly, except November and December. Subscription rate — \$1.00 per year. Herb Graffis, Editor; Joe Graffis, Advertising and Business Manager.

Publication Offices—407 So. Dearborn St., Chicago 5; Phone Harrison 5941. Eastern Representative—Albro Gaylor, 20 Vessey St., New York City; Phone, Cortlandt 7-1668. Printed in U.S.A.

CLASSIFIED ADS

Pro or Pro-Greenkeeper desires position. Ex-serviceman; married; no children. Will consider combination job of man and wife if desired. 25 years' experience. Good references. Address: Ad 200, % *Golfdom*.

Wanted—Experienced couple to manage country club kitchen and dining room concession. Steady year-round trade guaranteed. Club situated at city limits of town of 35,000. Address: Ad 201, % *Golfdom*.

Golf Professional and Greenkeeper—wants job with progressive club. 22 years' experience. Capable manager. Married. Can furnish very best of references. Address: Ad 202, % *Golfdom*.

Pro Wanted—Private club approximately 225 members. Golf season April to October inclusive. Applicant to state salary expected, experience, references, and status in draft. Advise if have equipment to sell. Club prefers a professional interested in teaching and in promoting golf activities. Address correspondence to: Pro Committee, Box 509, Lansing, Michigan.

Pro-Greenkeeper would like to make change. Have had 20 years' experience. A-1 references. Would like to connect with club in Northeastern states if possible. Preferably all-year-round position. Address: C. Wilson, P. O. Box 1864, West Palm Beach, Florida.

Golf Club For Sale or Lease. 18-hole, within 6 miles of downtown Kansas City, Mo. Will sell complete or lease for cash. Write: P. O. Box 7374, Kansas City, Mo.

Experienced high-class club manager wants management of City or Country Club or would take over food and beverage concession in a club of 400 members or over. Address: Ad 204, % *Golfdom*.

Prominent golf professional and widely known instructor of golf with 20 years' experience will be available for position as Pro for winter season or entire year. Recommendations furnished on inquiry. Address: Ad 205, % *Golfdom*.

Veteran Pro-Greenkeeper with outstanding record in course maintenance, teaching and business management available for new location in 1945. Prefers south, west or central location. Many years with present club and finest recommendations from club officials and golf authorities in all parts of the country. Write: Willie Ogg, % Wilson Sporting Goods Co., 1777 N. E. Second Ave., Miami, Fla.

Professional golfer and greenkeeper; thirty-five years' experience; A-1 man. Best of references. Address: Ad 206, % *Golfdom*.

Position open for couple at daily fee course in Cleveland, to operate clubhouse. Professional desired but not necessary. Salary and living quarters. Address: Ad 203, % *Golfdom*.

Man and Wife (without dependents) to manage and operate Country Club, dining room and bar. Wife must be good cook, husband general handyman. Attractive income proposition. Address reply for appointment giving age, experience, personal references, etc., to Youche Country Club, Crown Point, Indiana. Attention Harley W. Jensen, Chairman of House Committee.

WANTED GREENKEEPER PRO-MANAGER to take full charge of 9-hole course. Good equipment, bent greens, water system, clubhouse, showers and lockers. Only course within 30 miles. Living quarters. Owner retiring. Will lease outright or on commission, or hire for the season. F. L. Clark, owner Caro Golf Club, Caro, Mich.

Manager Wanted—with restaurant experience, for all year round, private 18-hole, Chicago district golf club. Excellent salary with room and board. Address: Ad 207, % *Golfdom*.

**GET THOSE OLD CUTS
BACK INTO PLAY**