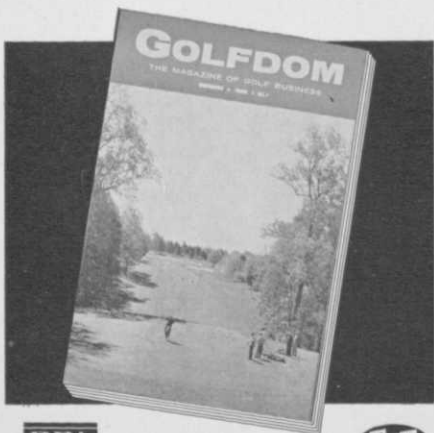


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Golf Association president, accepted for Dey and the Bulletin sports editor, John T. Wilson, accepted for Taylor. Dey was in California and Taylor in New York.

Marty Lyons, of Llanarch CC and Ted Bickel, of Spring Haven CC, had charge of the chipping contest. About 2000 visitors enjoyed this new feature and competed for prizes.

C. Joseph Burnett, of the J. Wood Platt Scholarship Trust, presented plaques to Aronimink Huntingdon Valley, Gulph Mills, Overbrook, Philadelphia Cricket and Trenton., for contributing \$1000 each to a caddie scholarship fund.

Contract Not Modified

(Continued from page 56)

In the fall of 1961 attempts were made to compromise the differences between the parties but were unsuccessful. The designer-supt. brought an action against the club demanding the sum due him for unpaid wages, plus the amount due at that time under the liquidated damages provision of the contract. At the trial the jury found that \$3,516.50 was due for unpaid wages and awarded the plaintiff an additional \$3,000 as liquidated damages. The defendant appealed to the Supreme Court of South Dakota, contending that the additional \$3,000 was not due.

Not Modified by Agreement

Much of the defendant club's argument before the Supreme Court was based on the theory that by agreeing to accept less than the amounts stipulated in the contract, the plaintiff had entered into an oral agreement modifying the written contract.

The Supreme Court did not agree, saying: "Plaintiff's evidence was that he had conversations with defendant, Peterson, in the fall of 1960 about payment of wages during the winter; that when asked if he could wait for his money until a later date until funds were available and if he would accept \$200 a month, the plaintiff replied, "I will as long as I get my money, the balance of it, at a future date"; and that later he told Peterson he 'couldn't get along with \$200' and that he then answered affirmatively when asked if he could get along with \$300."

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The evidence went into more detail, but the plaintiff's evidence together with permissible inferences, made a **submissible** case for the jury as to whether the contract between the parties had been modified by an executed oral agreement. The jury having found that the contract had not been modified, the Supreme Court refused to disturb its finding.

Difficult to Prove

The defendant country club also contended that the liquidated damages provision of the contract was insufficient of itself to sustain the \$3,000 liquidated damages portion of the verdict. Again the Supreme Court disagreed with the plaintiff's contention.

It said in part: "The contract here was for the rendition of personal services by the plaintiff. The courts have, in many instances, construed specific amounts for breach of employment contracts as liquidated damages because the damage that a breach would cause would be uncertain and difficult of proof. (Citations) There may be different degrees of nonperformance and injury may result in varying amounts. (Citations)

"There would be much less time for which the defendant would be liable if a breach occurred near the end of the term of the contract than if there was a total breach. To this end the parties agreed to graduate the amount payable according to the extent of nonperformance. The amount payable was \$8,000 'less the sum of \$800 for each year' that plaintiff was engaged before breach in performance of the contract and the amount recover-

able was not disproportionate to the actual damages which might result from failure to perform."

The Supreme Court affirmed the judgment of the trial court in the full amount awarded to the plaintiff by the jury. (*Anderson v. Cactus Heights CC*, 125 N.W. 2d 491.)

Florida Turf-Grass Show Set for April 30-May 2

The third annual Florida Turf-Grass trade show will begin activities with tours and demonstrations of turf machinery at the Plantation Field Laboratory in Ft. Lauderdale, April 30. The indoor meeting will be held and displays set up in the Hotel Seville in Miami Beach through May 2. The Florida Society of Golf Supts. has scheduled its meeting for May 1. During the general sessions topics will be "Selling Yourself," "Banking Services for the Small Business," "Workmens' Compensation and You" and "Wage-Hour Legislation and the Small Businessman." On May 2, displays at the Seville will be open to the general public.

Big Prizes for Ladies PGA

At the end of March, the Ladies PGA had eight events lined up for its summer schedule. They offer \$77,500 in prizes. With the spring tourneys included, the Ladies PGA will have \$188,000 riding in its April-August schedule.

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PGA Tournaments

- April 16-19—Houston Classic, Sharpstown CC \$50,000
23-26—Texas Open Inv., Oak Hills CC, San Antonio, Tex. \$40,000
30-May 3—Tournament of Champions, Desert Inn CC, Las Vegas, Nev. \$65,000
30-May 3—Waco Turner Open Inv., Turner CC, Burneyville, Okla. \$20,000
May 7-10—Colonial National Inv., Colonial CC, Ft. Worth, Tex. \$75,000
14-17—Oklahoma City Open, Quail Creek CC, \$35,000
21-24—Memphis Open Inv., Colonial CC, \$50,000
27-31—"500" Festival Open Inv. Speedway (Ind.) CC \$70,000
June 4-7—Thunderbird Classic, Westchester CC, Rye, N.Y. \$100,000
11-14—Buick Open, Warwick Hills CC, Grand Blanc, Mich. \$55,000
18-20—USGA Open, Congressional CC, Washington, D.C. \$90,000
25-28—Cleveland Open, Highland Park CC, \$100,000
July 2-5—Whitemarsh Open, Whitemarsh CC, Philadelphia Pa. \$125,000
9-12—open
16-19—PGA Championship, Columbus (O.) CC \$50,000 (minimum)
23-26—Insurance City Open, Wethersfield (Conn.) CC \$50,000
30-Aug. 2—Canadian Open, Pine Grove CC, St. Luc, P.Q. \$50,000
Aug. 6-9—Western Open, Tam O'Shanter CC, Niles, Ill. \$50,000 (minimum)
10—Children's Memorial Hospital Pro-Am, Onwentsia Club, Lake Forest, Ill. \$12,000
13-16—St. Paul Open, Keller GC, Purse to be announced
20-23—American Golf Classic, Firestone CC, Akron, O. \$50,000
27-30—Carling World Open, Oakland Hills CC, Birmingham, Mich. \$200,000

Make Solid Course Plans

(Continued from page 60)

Some banks, insurance companies and other such institutions have become interested in course investment. The U. S. Departments of Agriculture, of Commerce, the Housing and Home Finance Agency and the Small Business Administration all have financial assistance programs that can be used in course development. Cities, counties and states can also seek assistance from the Urban Renewal and

Ladies PGA Tournaments

- April 10-12—Baton Rouge (La.) Ladies' Open, Sherwood Forest CC, \$7,500
 17-19—Peach Blossom Open, Spartanburg (S. C.) CC, \$7,500
 23-26—Titleholders Championship, Augusta CC, Augusta, Ga. \$7,500 (minimum)
- May 1-3—Civitan Open, Alexandria G&CC, Alexandria, La. \$8,000
 8-10—Squirt Ladies' Open, Glen Echo CC, St. Louis, Mo., \$12,500
 15-17—Civitan Open, Muskogee (Okla.) CC, \$8,000
 21-24—Civitan Open, Glen Lakes CC, Dallas, Tex. \$12,500
 29-31—Babe Zaharias Open, Beaumont (Tex.) CC, \$8,500
- June 5-7—To be announced
 12-14—Sponsor to be announced, Turf Valley CC, Ellicott City, Md. \$10,000
 19-21—Lady Carling Eastern Open, Pleasant Valley CC, Worcester, Mass. \$10,000 (minimum)
 26-28—To be announced

the Area Redevelopment Administrations.

Adequate financing is of the utmost importance. Maintenance costs are usually higher for a time on newly constructed courses. If your project is a daily fee operation, it may take a year or two for it to become established. Assure yourself that you have ample financing to complete the course properly and to operate it for a given time.

Maintenance Cost Factor

The cost of labor in your area will be the deciding influence on the total maintenance cost. Usually, two dollars out of every three go for salaries of the supt., foremen and laborers. Nationwide, maintenance costs per hole average \$3,394, of which \$2,156 represents cash payrolls. During the past decade, maintenance costs per hole have increased 43 per cent.

This article is condensed from a speech made by Eckhoff at the Cornell University turf conference in Ithaca, N.Y. in February.

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Classified Ads • P. 173
Buyers Service • P. 175

Wetting Agents

(Continued from page 40)

a material that lasts for many irrigations and works in all soils and soil mixtures.

Figure 3 shows the improved infiltration and movement through treated soils. Water backing up in untreated soils due to tension bridging of the pores and slow movement reduces infiltration, and decreases the percentage penetrating with time.

The cores show this effect on treated and untreated halves of a green. The picture was taken the day after irrigation. Note the depth and uniformity of moisture in this core from the treated area (15 ins. versus about 1½ ins.) figure 4.

Infiltration alone is not the answer. Letey of U C L A has pointed out: "Soil treated with the wetting agent became wet much more uniformly throughout the entire core compared to the untreated soil in which moisture moved through in channels rather than in a uniform pattern".

Not Complete Answers

Once again infiltration and uniformity are not the complete answers. Soils treated with a blended non-ionic wetting agent hold water at a much lower tension. Figure 5 is from another paper from Texas A & M shows moisture content versus tension in the soil. The area under the curve represents the energy the plant must exert to obtain water (and, therefore, nutrients) from the soil. We feel that this conservation of energy is related to some of the cell structure improvements in the plant leaves. The immediate and definite benefit of this improved availability is an increase in the time between irrigations. Penn State and Cornell data (using tensiometers) showed a 100 per cent increase possible — we suggest only a 50 per cent increase. In a year's time, these lower tensions can save considerable water and labor (generally estimated at 30 per cent).

To summarize, we have seen improvement in infiltration, transport (drainage), uniformity, and availability of moisture in soils treated with a soil wetting agent. The increased infiltration and transport results in decreased puddling, run-off and

compaction. The improved uniformity of profile wetting eliminates localized dry spots and promotes deep rooting. The increased availability of soil moisture and nutrients decreases the frequency of irrigation, improves the efficiency of water and nutrient use and saves an estimated 30 per cent in water and labor.

To Describe Meusel's Work

Next month we'll describe work done at Yale University by Harry Meusel. This work shows the effects that soil wetting agents, watering practices, and fertilizers have on the wilting, appearance, internal cell structure, and stomatal openings of *poa annua*.

This article is condensed from a speech made by Bob Moore at the recent Midwest Regional turf conference held at Purdue University.

Grau's Answers

(Continued from page 35)

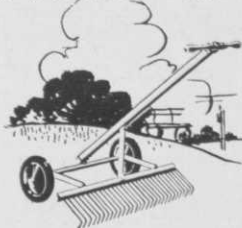
2. You may have more thatch and mat than you need. Disease organisms are protected from fungicides by the excess material. The double dose gave temporary relief by partly penetrating the dead material. Regular aerating and vertical mowing are needed to reduce excess grass, living and dead. Also you need active soil organisms to break down the mat as it accumulates.

3. Your soil may be acid which is encouraging to disease fungi. The lime raised the pH level temporarily and thus checked the growth of the organisms. No recommendations can be made until you have soil tests made. If you would send a copy to me I shall be glad to review it and offer suggestions. Your experiment station at V.P.I. will run the test and make recommendations.

P.S. Thank you for sending the additional information and profile slice so promptly that I could add these remarks:

Your Arlington bent has serious excess felt-mat accumulation which must be decomposed chemically and biologically. The grass is starved for nitrogen and is seriously overwatered. It is recommended that the greens be watered from 9 to midnight every second night instead of 9 p.m. to 6 a.m. every night. Add dolomitic limestone to the topdressing, one 80-lb. bag to 1 cu. yd. When you spray insoluble nitrogen on the greens add sulfate of potash, hydrated lime and ferrous sulfate (all as directed). Core the greens spring and fall and remove cores. While holes are open, rinse fertilizer deeply into holes. Microorganisms will benefit from less water, added lime, better geration, and a supply of food and energy, enabling them to hasten decomposition of the mat.

DAVIS SPECIALS!



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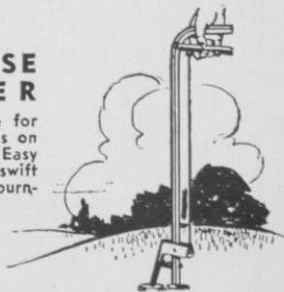
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LOCKE

Scholarship Financing

(Continued from page 62)

John Cook, supt at the CC of Virginia, Richmond, and its affiliated championship James River Course;

Bill Emerson, now supt at a course under construction at Hyattsville, Md.;

Dave Mauk of White Cliffs CC in Plymouth, Mass. (on Cape Cod);

George Thompson, an assistant at the Columbia CC in Chevy-Chase, Md.;

Pat O'Connor, at the New London (Conn.) CC;

John Kellar Jr. of Pittsfield is currently completing his first year at Amherst.

Last year the program was aided by contributions made from a number of golf minded industrialists and business executives such as "Bing" Hunter of Hunter Machine, Bruce Crane of Crane & Co., Dixon Daniels of the LL Brown Paper Co., Chauncey C. Loomis, Dan England Jr., former Yale golf great; Merwin Wineberg of the Adams Super Mkts chain, Haines Spencer of USF-Arnold Finishing in Adams, the professionals of the area, James Colgate Jerome of Mt. Anthony, Williams College's Taconic Golf Club, Doug Hewat of the Hewat Company in North Adams, the various golf associations of the Berkshire area.

Big Demand for Managers

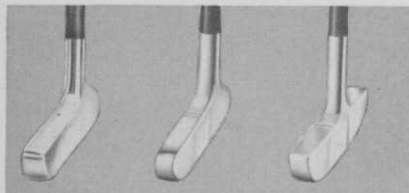
(Continued from page 52)

25, excluding examination periods and vacation time. Broken down, this means roughly 36 days each fall and spring term and 50 days winter term, or 120 days in all.

Demand for all of the graduates in hotel, restaurant, and institutional management has increased in recent years, and it seems to be particularly true in the area of golf and country club management. Similarly, it seems that the recruitment of management personnel has increased. Students interested in golf and country club positions indeed have several fine opportunities.

Recruitment information requests should be sent to John D. Singleton, director of Placement Bureau, 142 Student Service Building, Michigan State U., East Lansing, Mich.

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CRC 3•36 Counters Rust and Corrosion

Dominic J. Thomas, supt. at Huntington Valley GC in Abington, Pa., watches his assistant John Fitzgerald apply CRC 3•36 cor-



rosion inhibitor on the blades of a green mower. The product, manufactured by Corrosion Reaction Consultants, Inc., Dresher, Pa., is said to produce an even cut and reduce the need for sharpening when applied after each mowing. CRC 3•36 is also used to counter rust on all of Thomas' equipment and to keep choke and accelerator cables working smoothly.

Portable Refreshment Stand Moves With the Crowd

The Country Clubber, manufactured by the Eltee Co., P.O. Box 173, Burbank, Calif., is



a three-wheel trailer complete with sun-fast acrylic exterior fabric canopy. Easily moved by hand, the stand can be attached to a golf car for distance moving. Two models, one with a bar set-up and the other with bar facilities plus a three-burner stove, are available.

Special Gift Packages From Reliable Knitting

Reliable Knitting Works, Milwaukee, Wis., is offering specially designed gift packages to hold



knit club sox head covers sold for Mother's and Father's Day. The packages are free when requested with Club Sox shipments. Of lustrous blue and gold, the box has a see-through window and holds sets of club sox and putter covers.

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A tool designed especially for light-weight Certain-Teed asbestos-cement irrigation pipe was made in the workshop of John Mercaldo, a partner in the Mecco Construction Co. of eastern Pa.



The tool is said to eliminate stooping and bending simplify carrying and permit lowering with minimum strain. Actually a poker curved at the working end, the tool is slipped under the pipe and used with the aid of an assistant in transporting and placing the pipe. The photo was taken during construction of Sandy Run CC in Oreland, Pa., while 10,000 ft. of Certain-teed Class 150 pipe in 3-in., 4-in. and 6-in. sizes was being installed.

**Construction Begun on New
Wyandotte Atlanta Plant**

Wyandotte Chemicals Corp., J. B. Ford Division, Wyandotte, Mich., recently announced that construction of a new Atlanta, Ga., plant has



been started. Situated on 15 acres in the metropolitan area, the new facility will house manufacturing operations for Wyandotte's line of over 200 cleaning products. The existing plant in Atlanta will be closed when the new structure is completed sometime this fall.

**Kill Flying Insects with
Electric 'Bugblaster'**



Manufactured by Engineered Products Co., 8009 Woodruff Rd., Cincinnati, O., 45230, the Bugblaster attracts night flying insects with two 30-watt black light fluorescent lamps to an electrically-

charged grid. Placed near work areas, recreation areas, lighted windows and frequently used doors, the Bugblaster is said to free the area of insects. Six models are available for commercial and patio use.