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ground, thereby reducing the loss of moisture from direct evaporation. Consequently the turf stays green longer and survives drought better. Shade also helps discourage clover and crabgrass.

Mowers can be raised at any time, but should never be lowered drastically in hot weather. The only safe way is to lower the cut slowly, just a little each week.

Fairway watering has brought several vexing problems. Mowing is one of them. Present mowing equipment was designed before fairway watering started. The grass on watered fairways is softer and grows faster than on unwatered ones. Higher cutting of watered fairways would be possible if the grass could be cut before wheels of any sort passed over them. Under existing conditions, higher cut fairways are ragged and unsatisfactory for play a few hours after being cut because of the longer grass in the lines left by the tractor and mower wheels.

### Controlling Chinch Bugs

(Continued from Page 40)

applied with power dusting equipment gave better than 90 per cent reduction in chinch bug population.

Tests conducted in 1945 with DDT and Sabadilla dusts of less than 10 per cent concentration failed to give satisfactory control of chinch bugs and the DDT dusts failed to exhibit any marked residual toxicity. DDT applied as spray and mixed with top dressing and sand also gave excellent control of chinch bugs when 10 pounds or more of technical DDT was applied per acre.

The conditions for applying DDT sprays are not so exacting and we have obtained satisfactory control even when sprays were applied in a light rain. Where dust applications are made with hand equipment we found that from 150 to 200 pounds of dust per acre was required to obtain thorough coverage. Dust applications should be made when the grass is dry and the grass should be cut as short as possible so that the dust can be forced to the base of the grasses where the chinch bugs are feeding. Both of these materials are contact poisons so the dust must contact the insects to be effective. Thorough coverage is necessary with both materials.

DDT is a slow acting poison and a period of at least 5 days should be allowed

before judging the effectiveness of DDT treatments. DDT treatments have exhibited a residual toxic action to chinch bugs for a period of 10 to 14 days in tests conducted in 1945. This period was of sufficient duration to kill any nymphs that might hatch from eggs deposited by adults that were present when the treatment was applied, consequently one DDT treatment controlled the chinch bugs for the season in our 1945 tests.

Sabadilla is a much faster acting poison than DDT but a period of 48 hours should be allowed before judging the effectiveness of a treatment. Sabadilla did not exhibit any prolonged residual toxic action in our tests in 1945. Sabadilla is apparently highly irritating to chinch bugs and they become very active following dust applications, this activity is apparently accelerated by high temperatures. During the past season, 10 per cent Sabadilla at the rate of 100 pounds per acre was generally recommended in New Jersey. Reports reaching the Experiment Station indicate that the home owner found that this treatment gave satisfactory control of chinch bugs during 1945.

## CLASSIFIED ADS

Other Classified Ads on Page 65

**ATTENTION CLUB OFFICIALS:** Are you looking for a qualified greenkeeping superintendent? Our association has on file men who can qualify for that position. Some are returning veterans who desire to again enter this field. Address: The Greenkeeping Supts. Assn., Secretary's Office, St. Charles, Ill.

**Pro-Manager:** Veteran recently discharged from Army after three years service desires permanent affiliation with progressive club. Active resort, industrial, or business employees club favorably considered. Fully experienced in the golf business: teaching, administration, merchandising, sales, promotion. A-1 references and credit rating. Wife available as club secretary. Address: Ad 205, % *Golfdom*.

**Veteran, 29, married,** desires professional job coming season. Available March 1. Will go anywhere. Address: Ad 206, % *Golfdom*.

**Expert Club Maker** just out of army, desires position as assistant pro or caddy master in private club near Chicago or Aurora, Ill. Age 29, good personality, married. Address: Ad 207, % *Golfdom*.

**Expert club repair service.** Clubs refinished, rebuilt. Quick service on all types of repair work. Write for price list. E. L. Wilson, Twin Oaks, Route 1, Box 31, Batavia, Illinois.

**Pro—Pro-Greenkeeper—Asst. Pro. Ex-serviceman.** 27 years old. Excellent instructor and player. Will go anywhere. Box 568, Cheraw, S. C.

**Having completed 3 years of essential war work,** would like to contact club needing services of Pro-Manager or Pro-Greenkeeper. Can furnish references. Address: Ad 208, % *Golfdom*.

## GSA Annual Meet

(Continued from Page 26)

cational and research phases of greenkeeping, in most of the addresses at Cleveland. Dr. H. B. Musser of Pennsylvania State college advocated drastic revisions and extensions in the greenkeeping educational facilities in his address on "The Short Course as a Training Medium and Source of Technical Information on Turf Problems." Musser referred to numerous inquiries from war veterans who wanted to study course maintenance under the GI Bill of Rights educational provisions. J. E. Morley, regional supervisor of the U. S. Dept. of Labor also spoke on the problem of apprentice training in supplying golf with the good men it needs. The employees' training problem has been one of great perplexity and demands during the war and shows no signs of easing. The certain increase in use of machinery and chemicals in golf course work made especially interesting the convention address of Judge Lee. E. Skeel, pres., Cleveland Safety Council, on "The Safety Factor in Accident Prevention."

This matter of making golf course maintenance work more attractive to desirable young men, as well as retaining the competent experienced men, was mentioned in the USGA Green Section annual report by Fielding Wallace, chmn. of that section, in advising club officials of the situation that was bound to be spotlighted at the GSA affair. Wallace bluntly set forth that golf cant expect to get the sort of course maintenance it needs unless there's a warranted revision in the traditional scale of greenkeepers' salaries.

That realism of the USGA Green Section was further indicated by the close connection of the USGA with two developments that were subjects of GSA papers; "The Regional Cooperative Research Program," by Dr. O. A. Aamodt, head agronomist in charge, U. S. Dept. of Agriculture Research administration, who is head man on the government's end of the government-USGA collaboration; and the ad-

dress by Dr. G. O. Mott, executive sec., Purdue university. Dr. Mott spoke on the Midwest Regional Turf Foundation, a very attractive phase of the Green Section's new regional cooperative policy.

One paper scheduled for delivery at the convention was cancelled by the grounding of a plane bringing Dr. James Tyson to Cleveland. Tyson was to speak on "Importance of Water and Air Drainage in Turf Production and Maintenance."

Probably of greatest general interest to golfers would have been the address of Wm. H. Johnson, supt. of Los Angeles' Griffith Park municipal course. Johnson spoke on "Some Trends on Municipal Golf," and in telling of progress and problems in that direction brought out that public course players now expect—and frequently get—course conditions superior to those of the best private clubs a couple of decades ago. The vast and speedy growth of public golf Johnson believes is only in its earlier stages and will be the strongest factor in more than doubling the number of the nation's golfers within the next few years. Other authoritative forecast of the imminent great growth of the game was made in the talk by Howard Dwight Smith, head advisory architect for the American Commission on Living War Memorials.

Papers presented at the educational conference will appear in GOLFDOM, from time to time, and will show the trend of today's growing importance of the turf field.

★ SPALDING MAKES FIRST POST-WAR COAST SHIPMENT—From A. G. Spalding & Bros., Williamsett, Mass., the first postwar full freightcar of golf clubs has been made to the Pacific Coast. Spalding is rapidly increasing club production with prospect of having Bob Jones and Jimmy Thompson woods and irons available nationally in the spring.

Use "The Buyers' Page"—Page 64

### ALFRED H. TULL

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# Buyers' Page

Check off your Supply & Equipment Needs. Tear out and mail this sheet to *Golfdom, 407 S. Dearborn St., Chicago 5, Ill.* You'll get prices, literature and delivery information direct from the sources of supply.

## Golf Course

Architects  
 Arsenate of lead  
 Ball washers  
 Bent grass stolons  
 Brown-patch preventives  
 Compost mixers  
 Compost spreaders  
 Cultivators: f'way  green   
 Drainage pipe  
 Drinking fountains  
 Fencing  
 Fertilizers  
 Fertilizer distributors  
 Flags (greens)  Flag poles

Flood lights  
 Fungicides  
 Hole cutters  
 Hose, 3/4"  1"   
 Humus  
 Insecticides  
 Mole and gopher poisons  
 Mowers: putting green   
     whirlwind  tee   
     fairway  rough  hand   
 Mower grinders  
 Pipe, water  
 Playground equipment  
 Pumps (gals. per minute?.....)  
 Putting cups  
 Rollers  
 Scythes (motor driven)

Seed: fairway  green   
 Seed treatments  
 Seeders  
 Sod cutter  
 Soilscreeners  Soil shredders   
 Soil testers  
 Sprayers: power  hand   
 Spikers: greens  fairway   
 Sprinklers: f'way  green   
 Swimming pool architects   
     equipment  filtration   
     purify. chemicals  paint   
 Tennis court surface material  
 Tractors  
 Tractor tires  
 Tractor wheel spuds  
 Water systems, fairway  
 Weed chemicals



## Pro Shop

Bags: canvas  leather   
 Bag carts, for players  
 Bag racks  
 Bag stands  
 Balls  Driving range   
 Ball markers  Paint   
 Bandages, adhesive  
 Braces for canvas bags

Buffing motors  
 Caddie badges  uniforms   
 Calks, for shoes  
 Caps and hats  
 Clubs: Woods  Irons   
 Club head covers  
 Club repair supplies  
 Dressing for grips  bags   
 Golf gloves  
 Golf shoes  
 Handicap racks  cards

Motion picture cameras  
 Portable motor tool  
 Practice driving nets  
 Preserver for leather  
 Score cards  
 Sportswear: Shirts   
     Slacks  Rain jackets   
     Windbreakers  Socks   
 Tees  
 Tennis nets  
 Trophies



## Club House

Adding machines  
 Air conditioning equip.  
 Athletes foot preventives  
 Bars: fixed  portable   
 Bath slippers  
 Cash registers  
 China  
 Disinfectants  
 Fire protection equipment  
 Floor coverings  
 Glassware

Kitchen equipment:  
 Broilers  
 Coffee makers  
 Dish washers  
 Dishwashing compounds  
 Frozen food storage  
 Ice cube machines  
 Ovens  Food warmers   
 Ranges  
 Refrigerators  
 Slicing machines  
 Toasters  
 Vegetable peelers

Heaters: club house   
     hot water   
 Linens, dining room  
 Lockers  
 Runners for aisles  Rugs   
 Showers  Shower mixers   
 Shower clogs  Shower mats   
 Silverware  
 Steel furniture  
 Step treads  
 Tables, dining  folding   
 Toilet seat covers (paper)  
 Towels: bath  face   
 Uniforms

Send information  
 to: Name .....

Club  
 Title .....

Club ..... Address .....

Town ..... Zone (.....) State .....

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**FILL IN THE FORM BELOW — THEN MAIL THIS PAGE TO**  
**GOLFDOM, 407 SOUTH DEARBORN STREET, CHICAGO 5, ILLINOIS**

Name of club:.....  
 Address..... Town:.....  
 Zone ( ) State..... By..... Club Position.....  
 Private Daily Fee Munny .....

President's name..... (Zone.....)

Add:..... Town:..... State:.....

House Chrman's name..... (Zone.....)

Add:..... Town:..... State:.....

Manager's name..... (Zone.....)

Add:..... Town:..... State:.....

Green Chrman's name..... (Zone.....)

Add:..... Town:..... State:.....

Greenkeeper's name..... (Zone.....)

Add:..... Town:..... State:.....

Professional's name..... (Zone.....)

Add:..... Town:..... State:.....



## CLASSIFIED ADS

**Lease Available** for 9 hole course, in center of population concentration of large midwest city. Attractive profit possibilities for able, willing operator. Course in fine condition, fully equipped, well established play. *Address: G.B.K., % Golfdom.*

**Wanted**—Position as assistant to reputable pro. Married; no children; age 31. 18 years experience in golf as a caddy, caddy-master, assistant pro and player. Well experienced in all phases of teaching and pro shop management. Ex-serviceman. Please state terms offered to Jack Allspaw, R. R. 2, Lafayette, Ind.

**Pro-Manager** desires position. 10 years experience. Will lease or buy 9 hole course in Central States. *Address: Ad 201, % Golfdom.*

**Pro-Greenkeeper** with long experience in designing and building golf courses desires year-round position. First-class teacher and fully qualified in management of golf course. First-class credit rating. Address Ernest H. Killick, 926 N. Cass St., Milwaukee 2, Wisconsin.

**Golf professional**, 30 years' experience, would like position as Pro-Manager. Small town preferred. Class A member PGA. Excellent teacher, pleasing personality. Wife excellent cateress. *Address: Thomas Roan, 3408 Parker Ave., Chicago 47, Ill.*

**Pro**—desires position in south or southwest. Excellent instructor with 20 years' experience. In war work past four years, 44 years old, married. *Address: Ad 202, % Golfdom.*

**Pro or Greenkeeper.** Do you want a worker? Then I am your man. Over 30 years experience. Prefer year-round job, either south or southwest. *Address: Ad 203, % Golfdom.*

**Wanted**—In Conn., Pro-Greenkeeper to take entire charge of course, maintenance of equipment and operate Pro shop. Open April to December. If interested, send photo, references and salary expected. *Address: Ad 204, % Golfdom.*

**Pro-Mgr.** with 15 years' experience wants job anywhere. Working ability, character and references A-1. Full knowledge of construction and maintenance. Box 946, Muncie, Indiana.

**Wanted**—Used golf balls suitable for driving range purposes. Frank Donovan, 1700 Vine St., West Des Moines, Iowa.

**Wanted:** New reprocessed golf balls. State names, grades, price and quantity available. *Address: Ad 209, % Golfdom.*

**Fore Sale** in Western Pennsylvania, 25 miles from Pittsburgh, an 18-hole daily fee golf course, two houses, clubhouse and machinery barn. Doing a fine business and will show fine net profit. Approximately 150 acres of land in all, \$75,000 including all equipment. *Address: Ad 210, % Golfdom.*

**Assistant Pro** just out of Navy wants a job with good man from whom he could learn the business. Hard worker, thoroughly dependable, pleasant personality and well-grounded in general principles of business. For full details of qualifications write *Ad 211, % Golfdom.*

**Golf Professional** with fine record and recommendations. Age 34; married. Member of PGA with A-1 rating. *Address: Ad 212, % Golfdom.*

**Wanted**—Copies of Golf Course Common Sense. Will pay \$3.50 per copy. *Address: Box GK, % Golfdom.*

**Pro-Mgr.**—For the past 10 years, 16 years as GK, desires position. 36 years of age. Available immediately. *Address: Ad 214, % Golfdom.*

**Middle-aged Pro** with 27 years' experience in pro shop merchandising seeks contact with pro needing assistant of these qualifications or tournament pro needing seasoned assistant to carry pro shop responsibility during his absence. Good instructor; fine personality; excellent references. State salary and conditions. *Address: Ad 215, % Golfdom.*

**Wanted:** Concessions dining room and bar with progressive daily fee organization by man and wife. Experienced; A-1 references. *Address: Ad 216, % Golfdom.*

**For Sale:** Brand new reprocessed golf balls. Wilson K28, U. S. Royals, Acushnet in various grades; also good prewar used balls (500 dozen). *Address: Ad 217, % Golfdom.*

**Position Wanted:** As Manager, Pro and Greenkeeper. Have had twenty-seven years experience. Married, no children. Best of references. Can go any place. Expert in Bermuda and Rye Grass. *Address: Ad 218, % Golfdom.*

**Wanted**—Position as assistant pro in Chicago area. Have experience teaching and some club repair. Just discharged after 4 years Marine Corps. Desire to get established in golf. Age 25. *Address Ad 219 % Golfdom.*

**Golf Pro** seeks position. Age 38 and single. Recently discharged from Navy. Outstanding record as player and instructor; 15 years experience. Neat and of sober habits. Will go anywhere. *Address Ad 220 % Golfdom.*

**Pro-greenkeeper**, dependable, experienced man. Good teacher and thrifty maintainer of excellent course condition. Age 43. Married. Reliable and competent business man and cheerful personality. Highest references. *Address Ad 221 % Golfdom.*

**Amateur**—who wishes to turn professional. Would like to make connection as assistant professional. Is a golfer of ability, personality and trust. *Address Ad 222 % Golfdom.*

**Pro** desires position with club alert to opportunities of building up membership enthusiasm and patronage. Willing, progressive and trustworthy. Good player, teacher and business man. Fine references. *Address Ad 223 % Golfdom.*

**Pro or Pro-Grnr.**—Real golf businessman who has developed noted pros and amateurs and has won highest recommendations from club officials and nationally known members, seeks club position after being in war work. Has been in golf in old country and here all his 50 active, healthy years. Father was prominent old country pro before him. Has served with first class record as pro and supt. at fine clubs. Vigorous, cheerful personality, thoroughly dependable and competent. Married; 2 children. Excellent references. *Address: Ad 228, % Golfdom.*

**Pro-Grnrpr.-Mgr.**—Want to get back in golf from defense work. Have splendid record of doing a real business job at clubs, teaching, creating golf playing interest, getting and keeping the course in good condition. Wife is experienced clubhouse mgr. For full details *Address: Ad 229, % Golfdom.*

**Pro-Grnrpr.**—Just out of the Army. Extensive and successful experience in course construction, and as pro and greenkeeper. Member of family well known for many years of excellent work in golf. Splendidly qualified for combination job or as pro or greenkeeper. Finest recommendations from previous employers. *Address: Ad 224, % Golfdom.*

**Ass't Pro**—Out of Air Force as 1st Lt. (pilot), 26 years old. Former caddy. Won golf scholarship at boys' school near Boston and captained team. Then worked in New York as bank clerk. I want to work and learn at golf. *Address: Ad 225, % Golfdom.*

**Greenkeeper**—Recently out of military work, agricultural college graduate with very successful record as greenkeeper at prominent clubs. Known among greenkeeping authorities for effective and economical work in maintenance, construction, engineering and landscaping work on course and for record of marked improvement of each course with which he has been connected. References that really mean something. *Address: Ad 226, % Golfdom.*

**Pro or Ass't**—Capable and dependable instructor and shop businessman, 39 years old, in defense plant work since start of war. Was successful pro at smaller city club for several years, then for 12 years shop and teaching ass't to well-known pro at prominent midwestern metropolitan club. Record shows thoroughly satisfactory performance for employers. *Address: 227, % Golfdom.*

**Club Manager** with splendid record, 10 years present position, desires make change or will take over food and beverage concession with well established club. *Address: Ad 230, % Golfdom.*

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