enough to pick up odd jobs during the off-season.

Do you wonder why few men come back to golf course work in the spring? The clubs either don't realize the situation or don't give a damn. They are going to have to pay higher wages for the men they can get to work during the season because they have neglected to show any interest in these men in the off-months. In the spring the clubs ask, "where is this man and where is that man," but they didn't give a damn about the men in the fall. So when spring comes and the greenkeeper asks a good man to come back to the club to work, the good man says to the greenkeeper . . . [Remark unfortunately must be deleted although it is a gem as a soul's outburst.—Ed.]

If clubs would show a little more consideration for the men who do the work on the golf courses the men also would show their appreciation by doing better work and by coming back in the spring. Half of the clubs don't even appreciate an honest man. If a greenkeeper saves some money on his budget the club should show its appreciation by giving him part of the saving to split between himself and his force. Do they? Like hell they do! They just cut his budget the next year.

If clubs would take a tip from Meister's article in GOLFDOM, golf clubs would be more pleasant places to work and better work would be done.

John ................
(Just a course laborer).

Greenkeepers Course at Michigan State Covers Field Well

GOLF is big business in Michigan. In the Detroit area alone the golf courses have assessed valuations in excess of 20 million dollars, says a newspaper press release on the course in turf management at Michigan State college, which begins Jan. 4.

The greenkeepers at Michigan State college are given information in practical floriculture, landscaping, golf course machinery, grass growing methods, soils and fertilizers, control of weeds and diseases and pests, tree trimming and even practical work in golf course accounts and bookkeeping.

Chicago’s
MORRISON HOTEL
Madison and Clark Streets

A guest of the Morrison Hotel enjoys all the comforts of home itself. Centrally located, the Morrison is nearest to stores, offices, theatres and railroad stations.

All rooms are outside with bath, circulating ice water, bed-head reading lamp and Servidor. Automatic garage facilities for guests with cars.
heat of the summer Wotherspoon restricts the women's golf schedule to a few events, although men's play keeps up surprisingly strong. The pool and clubhouse parties get a big play in the society news of Tulsa newspapers during the summer and in this space, also, is frequent reference to the increase Wotherspoon has brought about in golf play among the social leaders of the town.

Shop Is Well Planned for Business

In the pro-shop Wotherspoon, with the architect, has done a fine job of planning. Showcases are kept immaculate and Wotherspoon's own desk, back of the showcases, is neat and arranged for business. Wotherspoon has a very capable, alert and pleasant assistant who does much to ease the heavy duties a pro at a new club must handle.

On the second floor of the clubhouse are living quarters for the manager and his family. These quarters are roomy and attractive and give Motz a chance to take a breath now and then; something that too frequently is denied country club managers who have to be on the job energetically for stretches as long as 20 hours.

The combination of greenkeeper, pro and manager at the Southern Hills club is one of the most harmonious batting orders of department heads any club can boast. De Parlier, Wotherspoon and Motz often have their own private "directors" meetings in coordinating the operations of the club.

Pool Meets Heavy Traffic

Naturally climate as hot as that of Tulsa in summer means the swimming pool gets a heavy play. Charles Hyatt, swimming pool expert of Springfield, Ill., designed a beautiful T-shaped pool. Hyatt was on this part of the job as an associate of the late Wendell Miller, who was responsible for the course irrigation engineering. The filtering room for pool water represents an investment of $18,000 in equipment supplied by Crane, International Filter Co., Wallace and Tiernan and other manufacturers.

Thousands of scrub oaks were removed in building the golf course. Supt. De Parlier remarked that the most versatile and valuable piece of equipment used in building the course was a Caterpillar tractor which helped do the grubbing, the grading, the road building and the fairway preparation among its other jobs. Construction work was started on the course Feb. 18, 1935 and the course was in fine condition for a new establishment early in the summer of 1936. There was trouble on three greens due to the sharp sand being blown into young seaside bent sowing and cutting it.

During the first year of play the course was singularly free from turf troubles. Despite a generous but vigilantly supervised application of water on fairways, greens and tees, there were only small and widely separated patches of crab grass and these De Parlier believes came in with one batch of seed he received.

Course Is Fully Watered

There were some attacks by sod webworm but this De Parlier got under control with Red Arrow. He applied Semesan, weighed and bagged for 1,000 sq. ft. application, in successful preventive treatment for fungus diseases. A Buckner fairway watering installation with snap sprinklers and one of the most completely automatic pumping installations, is said by De Parlier to give Southern Hills a model installation. During earlier stages much hand watering of greens was done. Goodyear hose was the choice at the new Tulsa establishment.

The club was fortunate in being able to locate an old bed of the Arkansas river for its wells. The river now is 2 miles to the west. Water is stored in a large earthen reservoir 30 ft. deep. Worthington and American Well Works pumps and Crane fittings are used in the pumping installation. Brown Instrument Co. recorders for pressure and flow give a story of the watering work at the course and enable De Parlier to work out the most efficient watering schedule.

De Parlier operates on the platform that the first two years of a golf course are inevitably years in which construction work figures prominently. Although he received authority from the club officials to buy all equipment without making initial expense a retarding factor, there was no extravagance involved in these instructions. Labor-saving by machinery was the

Continued from Page 14
Beautiful Southern Hills Golf Course, Tulsa, Oklahoma.

... Completely equipped with a Buckner Irrigation System

BUCKNER MANUFACTURING COMPANY
1615 BLACKSTONE AVE.
FRESNO, CALIFORNIA

at SOUTHERN HILLS—
noted for careful selection of equipment—they use the Sprayer without a rival for economical operation; drip-proof; with partitioned tank to save filling time; handles all chemicals used on a golf course.

As for so many other of the finest courses in the United States, the choice was the "FRIEND" Golf Sprayer •

Built by "FRIEND" MFG. CO., Gasport, N. Y.

Ask Us Now For Latest Prices •

Grass Seed of "Known Quality"

All varieties of Bents and other Grasses and Mixtures for Fine Turf. Golf Course Requisites, Fertilizers, Brown Patch Remedies, Irrigation Equipment, Sprinklers, etc.

"GOLF TURF"
Our interesting booklet on making and maintaining TURF, also Golf Supply Catalog Free on Request.

Stumpff & Walter Co.
SPECIALISTS IN GOLF GRASS SEEDS, FERTILIZERS AND EQUIPMENT
132-138 Church St. NEW YORK

Hardened Center Keeps DIAMOND Spuds Sharp

Diamond tractors spuds save replacement costs. Extra hard core keeps point sharp, aerates turf with clean-cut holes. Easily attached. Write for complete data.

Only reliable companies are allowed to advertise in GOLFDOM
PLAN »» FOR NEW LOCKERS »» NOW

One out of 3 golf clubs in the whole country is buying some new equipment for a big season to come. A good percentage need extra or improved locker accommodation.

Act as soon as possible to avoid delay at a time when delay will lose business for your club.

The Lyon Golf Locker provides every convenience for the most exacting golfer. Double doors and a roomy interior are impressively convenient—while refinements (private compartments, card holder, golf ball tray, etc.) win his admiration. Send coupon for catalog and details of full line, many sizes and kinds.

LYON METAL PRODUCTS, Incorporated
3401 River St., Aurora, Illinois

LYON METAL PRODUCTS, Incorporated
3401 River St., Aurora, Ill.
Please send Catalog of Locker sizes and types.

Name
Golf Club
Address
City ........................................ State

IDEA. His equipment includes a Friend sprayer, McCormick fertilizer distributor and seeder, Converse soil screen, Root spreader, Royer compost mixer, Toro fairway and greens mowers, Worthington rubber-tired tractor and an equipment barn well equipped with tools and machinery for maintenance and repair work.

His fertilizing on greens during the first year consisted of three shots averaging 2 lbs. per 1,000 sq. ft., alternating Amno-Phos and sulphate. He composted with a mixture of 30% peat and Milorganite, 30% sand and 40% topsoil. He mixed 200 lbs. of Milorganite to the ton of peat, and turned the hose on the mixture.

Condition of the course was amazingly good for a new layout. Alterations are planned in at least one of the greens, but otherwise the course is nearly a finished proposition and in such shape that it is warranted in starting to plan for a national championship, which is one of the ambitions of the club.

Frisco Area Courses Are About Back to Normal Greens Budgets

By JACK PEROTTI,
Greenkeeper, Burlingame (Calif.) CC.

GENERALLY speaking the effects of the depression on greenkeeping in this section long since have disappeared, although continued curtailment in budgets leads one to believe that the budgets are at least 10% lower than they should be, considering the work an observant greenkeeper notes might be done to make his course a model.

Adoption of very modern equipment has offset to some extent the rapidly increasing labor costs, but even with the best and newest of equipment the greenkeeper's pressing problem of the next few years is to keep his labor well managed and efficiently employed.

Golfers generally never will realize the extent to which the greenkeepers' associations have made common knowledge of means and methods, enabling members of their associations to maintain high standards at courses despite the handicaps of the depression. The service of these organizations has helped greenkeepers to actually improve course conditions on the restricted depression budgets and has developed greenkeepers not only in their work but in their attitude toward their professional problems and
toward their co-workers in greenkeeping.

Development in weed control I deem the most important technical development of 1936. I am convinced that maintenance problems would be reduced in our section if fall watering were carried on up to the rainy season so we would have more grass and less weeds the following year.

In some cases, perhaps, there could be better understanding between greenkeepers and green-chairmen but in this matter during 1936 there were promising signs of improvement for the good of the clubs and their members.

Massachusetts Announces Advanced Greenkeeping School

This year's advanced school for greenkeepers, conducted at Massachusetts State college under direction of L. S. Dickinson, is organized as two five-week courses.

Course A, from January 4 to February 6 covers:
- Production Capacity of a Specific Golf Course. This is a very practical course which will enable the student to estimate the maximum number of daily rounds of golf his course can produce at a cost within the specified budget.
- Interpretation of Scientific and Popular Articles Pertinent to the Management of Golf Courses:
  - Management of Golf Course Labor
  - Soil Technology
  - Fertilizers
  - Report Making and Presenting
  - Golf Course Equipment and Supplies
  - The Study of Student's Special Problem

Course B, from February 8 to March 15 covers:
- Equipment and Maintenance Requirements Necessary to Introduce Other Recreational Activities to the Golf Club
- Cost and Record Keeping and Analysis
- Organisms Causing Diseased Turf
- Soil Amendments
- Systematic Diagnosis of Fine Turf Problems
- Greenkeeper's Part in Helping to Make the Golf Club a Family Recreational Center
- Introduction to Club Management
- A Study of the Student's Special Problem

The annual golf course maintenance conference will be held during the Recreation Conference and Exhibition, March 11-14, 1937.

NO EXCUSE NOW FOR BROWN PATCH

New Low Price of Special Semesan Brings 1937 Treating Cost Down to Only $1.29 a Green

Real Protection from Two Organic Mercuries

WILMINGTON, DEL. — Announcement of a price reduction on Special Semesan today was welcome news to greenkeepers who, because of their budgets, have been forced to use less dependable fungicides for brown patch control. New prices of Special Semesan are: 5 lbs., $7.00; 25 lbs., $33.00; 100 lbs., $129.00. Treating cost is thus brought down to as little as $1.29 a green.

ORDER NOW FROM YOUR GOLF SUPPLY HOUSE

For Free Turf Disease Pamphlet, write
BAYER-SEMESAN Co., Inc., Wilmington, Del.
Also Manufacturers of Regular Semesan and Nu-Green

No. Y15—Perfection covering a 110 ft. circle on 35 lb. pressure, price only $12.50.

No FAIRWAYS—GREENS or TEES. Perfections are much the BEST and CHEAPEST Sprinklers on the market.

ARRANGE YOUR BUDGET TO INCLUDE Perfections for 1937 and you will save on your investment from 20% on the smaller sizes to over 100% on the larger sizes, AND Perfections will more than repay their cost in savings the very first season.

Ask any one of the more than 75 Leading Golf Course Equipment Dealers who sell and recommend Perfections, or send direct, for free 10-day trial.

A Trial will convince you that there is no sprinkler like the Perfection.

Manufactured and fully guaranteed by
PERFECTION SPRINKLER CO.
PLYMOUTH, MICH., U.S.A.
Many Factors Combine to Make Pinehurst PGA Best Ever

THE PGA’S most successful championship was the recent 1936 event at Pinehurst. Denny Shute’s brilliant short game pitted against the powerful shooting of Jimmy Thomson made the final a tense, significant comparison of two types of games.

Pinehurst’s championship course, in superb condition, was an exhibit of the architectural construction and maintenance abilities of Donald Ross and his fine staff. Especially interesting were the approach contours Ross put in when he remodeled the greens for grass. Pros were unanimous in praise of the layout.

Publicity given the championship was far in excess of that received by any other PGA titular event. This was due to the arrangements made by Linde Fowler, Pinehurst publicity manager; John Hemmer, Pinehurst photographer; Ross, Ed Fitzgerald, and Dick Tufts, general manager of Pinehurst. No detail was overlooked in facilitating the filing of press copy. The weatherman was true to the cause and supplied a grade of perfect playing weather that matched the perfection of the course.

Water Pipe Acts as Conductor for Novel Phone System

Kent Bradley, resourceful genius who is greenkeeper at Passaic County (N. J.) GC, has developed a system of communication with his groundsmen, using the course water pipe as conductor for his telephonic conversations. The system is still in the experimental stage but has great possibilities for course maintenance.

Three Styles of One-Color Score Cards of Excellent Quality are

Priced $19 to $25 for 5,000
Produced by a New Process they are complete and of correct size.

Samples of these and 4 higher priced 2-color cards to clubs on request.

John H. Vestal Co., Printers
703 South La Salle Street - - - Chicago
Plan Your Purchases

Right now, you club officials and officers are planning your purchases for the season ahead, which incidentally, is not very far off. The advertisements in this issue should acquaint you with TODAY'S market and offerings, but if in the ads you cannot find just what you need, refer to the list below. Draw a line through items on which you want complete information and prices. Mail to GOLFDOM, 14 E. Jackson Blvd., Chicago. Facts and figures you'll find useful in making your purchases will be sent you promptly.

FOR THE GOLF COURSE

Arsenate of lead
Bag racks for tees
Ball washers
Bent grass stolons
Bookkeeping systems
Brown-panch preventives
Charcoal (soil condition)
Clamps, for pipe leaks
Compost distributors
Compost sterilizers
Containers, waste
Diesel engines
Drinking fountains
Dump carts
Fencing
Fertilizers
Fertilizer distributors
Hole cutters
Hole rims (putting cups)
Hole rims (sand green)
Hose, water
Humus (soil conditioner)
Hydraulic mixers (fertilizer)
Insecticides
Lighting arresters
Lime, hydrated
Limestone, pulverized
Mole and gopher poisons
Mole and gopher traps
Mowers
Mower Blades
Mower sharpening machines
Peat moss (soil conditioner)
Pipe
Perforated for drainage
Water
Playground equipment
Pumps (state capacity)
.................
Putting paths (sand green)
Putting cups
Resurfacers (Skating Rinks)
Rollers
Fairway
Green
Spiked
Sand green equipment
Sctynes (motor driven)
Seed
Fairway
Green
Rough
Seeds
Shelters (golf course)

FOR THE PRO SHOP

Bags
Canvas
Leather
Balls
.35
.50
.75
Ball marking machines
Belts
Bookkeeping system
Buffing motors
A.C.
D.C.
Caddie badges
Caddie uniforms
Carts for golf shoes
Caps
Clubs
Brassies
Drivers
Iron
McMed sets
Putters
Spoons
Women's
Club racks for pro shop
Gloves
Grip dressing
Grip wax
Hickcap
Racks
Cards
Hats, duck with visor
Leather jackets

FOR THE CLUBHOUSE

Ales
Bar equipment
Bath slippers
Paper
Wood
Bars
Fixed
Portable
Bath towels
Beer
Bottle
Draught
Beer cooling equipment
Cash registers
Cheese
Deodorants
Disinfectants
Kitchen equipment
Laundry equipment
Liquors
gin
Whiskey
Wine
Mixers
Linens
Lockers
Wood
Mineral water
Refrigerators
Rugs—runners for aisles
Showers
Soda fountains
Water coolers
Water softeners

Leather preserve
Movie cameras, projectors
Practice clubs
Practice driving devices
Practice putting devices
Prizes
cups
trophies
Rain jackets
Score cards
Shafts
 Hickory
Steel
Shoes
Shoe spikes
Shoe trees
Sockets
Sweaters
Sweat shirts
Ties
Wood
Celluloid
Traps
Shells
Targets
Underwear

* IMPORTANT—FILL OUT FORM ON REVERSE OF THIS PAGE *
HELP

... maintain the accuracy of GOLFDOM'S mailing list by tearing out this page and returning it to GOLFDOM, 14 East Jackson, Chicago, Ill.

This magazine is edited for the men who operate golf courses and clubhouses. It is sent FREE and without obligation. It keeps officials posted on the latest developments in the golf industry.

Fill in names and addresses below just as soon as you know who these heads will be for 1937.

Don't leave it to somebody else in your club to send in this page. Do it yourself!

<table>
<thead>
<tr>
<th>Club</th>
<th>Town</th>
<th>State</th>
<th>Number of Holes</th>
<th>Is Course Private, Daily Fee or Municipal?</th>
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<th>PRESIDENT (or owner)</th>
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<th>GREEN-CHAIRMAN</th>
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<th>GREEN-KEEPER</th>
<th>Address</th>
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Please give us this additional information for our records:

Swimming Pool? How Many Tennis Courts? Trapshooting or Skeet?

SEE OTHER SIDE
control, player contact with clubhouse switchboard and tournament news.

Bradley furnishes some details:

“This gadget might be called the Bradley Broadcaster, for want of a better name. It has a total weight of less than 2 pounds, fits in coat pocket, and has a range between 1200 and 3600 feet, depending on conditions. Greater distance can be obtained with a small vacuum tube amplifier that I have designed. I have used this phone for distances up to 7200 ft.; remember pipe line distances are often greater than a bee-line.

“A fixed terminal station that I made, weighing about 20 pounds, can transmit and receive amplified voice practically any place on the job, there being some dead spots anywhere you go. A few trials soon show where these are, so you just don’t phone from there, but go on a few feet farther. This fixed terminal rig will also ring a bell to another fixed terminal station. The difference in weight is due to more batteries and a few extra parts. For mobile use, this rig could be set on a fairway tractor, when following a round, or a man could carry it on his back. This is not radio, but audio (sound) telephony. It works on a principal that apparently has been overlooked. Most telephone men say it shouldn’t work, but it does for me.”

Farthest North—A course 1,000 miles from Stockholm and run by Swedish State railways is said to be most northerly golf course. Season at the course is 5 months. Because of the midnight sun, play can be around the clock in summer.

---

**For a banner year at the club . . . . . . . . . . .**

**A "GUNITE" POOL**

Swimming pool value in increasing membership, club revenue, prestige, service and liveliness has been repeatedly demonstrated. Club officials’ problem now is not whether to approve installation of a pool—the query is “what type of pool shall we have?”

"GUNITE" swimming pool installations satisfy every requirement of design, construction and operation.

Their first cost is economical, and the maintenance cost is minimized by the density and water-resistant character of "GUNITE". Heavily reinforced "GUNITE" is applied with the "CEMENT GUN" against firm, natural earth as a backing.

Have your pool committee write for complete details.

**CEMENT GUN CO.**

**ALLENTOWN, PA.**

---

**A HEALTH-SAFE POOL**

Must Contain Constantly Circulating Water that is Actually Pure Enough to Drink.

GRAVER Purifying Units insure pure, crystal-clear water at all times. Easy and economical to operate. Send for the helpful Graver book on Design, Construction and Operation of Modern Pools.

**GRAVER TANK & MFG. CO., Inc.**

Chicago, Ill. East Chicago, Ind.
THE NEW IMPROVED
Root All Purpose Spreader

Top Dressing, Fertilizing, Seeding. This machine will cut the cost of maintenance more than any piece of equipment on golf courses. Gives perfect application of all materials, with positive control.

The New Root Power Screener

A perfect companion to the All Purpose Spreader. Designed and built by Root Engineers to do a better job of Screening, Mixing and Fluffing soil.

See these machines at our exhibit at the Washington Show, Booth 24.

THE ROOT MANUFACTURING CO.
1011-1051 Power Ave., Cleveland, Ohio

WHAT THE MAKERS SAY

Wm. C. Cowen, pres. and sales director of the P. Goldsmith Sons, Inc., Cincinnati, sees bright prospects of 1937 being a banner year for pro sales and accordingly is extending to the pro field the protective policy that made Goldsmith so successful in merchandising its other products. Under Cowen's sales direction, the Goldsmith company long ago adopted a policy of protecting its customers by restricting the distribution of its lines to those doing a legitimate and profitable business rather than have the line at the mercy of the "price-cutters."

After an extensive period of marketing investigation, Goldsmith has produced a 1937 pro-only line of golf clubs and equipment and has organized a special golf selling staff to make closer and more frequent contacts with the pro trade.

The Goldsmith pro line for 1937 includes irons ranging in price from $3.50 to $7.50 and woods from $4.50 to $8.50. In addition to the pro-only line, Goldsmith offers nationally advertised "Flight Master" Woods and Irons which will range in price from $5.50 to $7.50 for the irons and $7.00 to $10.00 for the woods.

Increase in sales of Babe Didrikson Clubs have justified Goldsmith confidence in promoting them in a larger way. For 1937, the Babe Didrikson line has been greatly improved, and will be sold on a restricted basis, prices ranging from $3.50 to $7.50 for the irons and $4.50 to $8.50 for the woods. Also to be featured are the Espinosa and Alvin Krueger lines of woods and irons. Both of these show improvement over last year's models.

A few of the features of the Goldsmith golf line are the patented "Spring-Action" True Temper Shafts, the patented Espinosa "Air-Cooled" Grips, "Hy-Power" Shafts and perforated grips.

Matched Swinging Weight control is being built into all Goldsmith's higher priced irons and woods.

During the past summer, Hugo Goldsmith on a visit to England made a...