

60-inch riding mower, made by Yazoo Mfg. Co., Inc., Jackson, Miss. is powered by 12.5-hp AGND



## Jobs like this separate WISCONSINS from putt-putts

It takes guts and load-lugging power — not just rated hp — to breeze through dense, matted growth like this. And the AGND Wisconsin has more of both than any other 12.5-hp engine made. That's why it can slice a 60-inch swath through acres of tangled mass without stalling.

This rugged cast iron workhorse has the cat-like full-power response to meet sudden load variations—and to accelerate where other engines falter and stall. It incorporates such exclusive long-life features as: Forged connecting rod and forged-steel crankshaft which rides on service-free tapered roller main

bearings. Its built-in flyball governor holds load close in tough going. And Stellite exhaust valves and inserts plus rotators outlast ordinary valves up to five times in severe applications like this.

Remember this: The exclusive features are standard on the AGND, *not options*. In fact, Wisconsin offers 10 single-cylinder cast iron models built to the same quality standard, ranging from 3 to 12.5 hp. So power your line with Wisconsins. Get Bulletin S-324. Also get S-327, a handy guide for ordering factory-engineered Wisconsin repair parts and service kits. Write Dept. P-35.

# WISCONSIN



**MOTOR CORPORATION**  
MILWAUKEE, WISCONSIN 53246

World's Largest Builder of Heavy-Duty Air-Cooled Engines — 3 to 60.5 hp

D-644-R



*may we spray through?*

### John Bean has a sprayer to fit your course

From tee to green, your course benefits from a John Bean sprayer. Take the high-pressure, boom-type sprayer shown. Fairway weed, brush and mosquito control. Liquid fertilizing. Tree spraying. High-pressure outlet for hose-and-gun green and "spot" spraying. Dust abatement. Stand-by fire protection. Even leaf and brush burning. Select from the most complete line of hydraulic and air-type sprayers, booms and accessories. Just ask the "sprayer people" . . .

Write for free sprayer catalog.  
Mosquito Control Data Kit  
also sent upon request.



**JOHN BEAN DIVISION**

Lansing, Mich. - Orlando, Fla. - San Jose, Calif.

they haven't enjoyed the construction phase, but nearly all are convinced that the decision to hold out at the same old stand was a wise one. Lake Merced, they add, probably is a better course for the changes that have been made.

## Clubs Reasonably Priced

*(Continued from page 32)*

degree lie and the No. 3 and No. 4 woods 58 degrees.

Boring the head for proper face alignment is an operation that makes or breaks a club. For the average player, the head should be bored so as to have a 1 to 1½ degree hook since most high handicap players have a tendency to slice.

For the professional or low handicap player, the boring should be such as to create a straight or slightly open face since the expert player is generally trying to avoid a hook.

The radius of the face of the club from toe to heel is called the bulge. I believe it should be 11 degrees. The bulge has a

tendency to minimize the spin of a hook or slice stroke. (Note that I say minimize not eliminate.)

### Grip Size Important

Grip size and uniformity are a must in a good club. Regardless of how good a set of clubs may be the least variance in the grip size will not give all the same feel and, consequently, all will not play the same.

The flex of the shaft must be absolutely identical in each club in a set. The flexing point of the shaft should be in the same position on each shaft all the way through the set.

Many of the qualities of a good club are hidden. They are there because skill, time and money put them there. If they weren't there the clubs would not be playable.

This is the story the public must be told.

Classified Ads • P 148

# Velsicol gives you the answers to 9 common turf problems



**No. 1—crabgrass. No. 2—white grubs.**

**No. 3—ants.** For pre-emergence control of crabgrass plus turf insect control, apply Velsicol Bandane® 15G or Chlordane. Both kill crabgrass before it comes up and get rid of ants and grubs. If insects are a major problem, apply Chlordane. If you plan to re-seed, apply Bandane 15G—there's no long wait to protect seedlings! Whichever you choose, apply early—as soon as weather permits.

**No. 4—snow mold. No. 5—dollar spot.**

**No. 6—brown patch.** For more effective prevention or cure of these turf diseases, apply Velsicol® "2-1." The new "2-1"

formula has greater wettability, more stability in suspension and less foaming action than any other comparable product. Saves time, money and turf! Mix with water or apply dry, mixed with sand or compost.

**No. 7—common chickweed. No. 8—knotweed. No. 9—clover.**

Banvel® D-4S is a newly developed Herbicide that gives thorough control of most broadleaf weeds found in turf. Attacks foliage and roots, kills even the deepest roots. Effective in warm or cool weather—excellent for control of hard-to-kill winter broadleaf annuals.

*ask*  
**Velsicol**

VELSICOL CHEMICAL CORPORATION		
341 E. Ohio St., Chicago, Ill. 60611		
Gentlemen: Please send me your new Turf Chemical catalog.		Dept. G-25
NAME _____		
ORGANIZATION _____		
ADDRESS _____		
CITY _____	STATE _____	ZIP _____

# TURF TROUBLES?



try our line of tested, trusted treatments  
for finest turf!

- FUNGICIDES
- HERBICIDES
- INSECTICIDES
- LIQUID & SOLUBLE FERTILIZERS
- WETTING AGENTS

write for our FREE 25th Anniversary Catalog

AMERICAN LIQUID FERTILIZER CO., INC.

and ROKEBY CHEMICAL COMPANY

Marietta, Ohio ● P. O. Box 267 ● phone 373-1394

## Trouble and Weak Spots

*(Continued from page 72)*

about being in a fix when they cannot perform miracles. The younger fellows worry themselves sick about what they are up against. Many times, for example, I have heard younger men at supts.' meetings confess that they are beginning to fear the summer. They know they have a job — a tough and terrorizing job even when things are going right.

After years in the business the older supt. realizes that if everything went perfectly in his job, any bum could run it. It is when those trying times come that the job calls for a mighty smart man. A good supt. even gets to the place where he makes an asset out of trouble. For example, I heard a very good supt. say something profound when studying the damage done to his course last summer when the Midwest courses were hit. This fellow — Norman Kramer, supt. at Point O' Woods (Benton Harbor, Mich.) — looked at the damage and said, "Just when I thought everything was perfect! But there is one good thing about it. I

now know where the weak spots are!" This is the spirit of the good supt. And, it is only one of the innumerable cases I have seen of gifted and strong-hearted men making good at one hell of a job.

♦♦♦♦

The more than 150 persons attending the annual conference of the Mid-Atlantic GCSA, which was held in collaboration with the University of Maryland, heard a variety of suggestions for handling the problems caused by increased play. Among those giving advice were James E. Thomas, Army-Navy CC supt, and Bradley J. Strouth, supt. of the Maryland National Capital park and planning commission. Giving watering talks were Charles G. Wilson of the Milwaukee Sewerage Commission, Joseph C. Tropeanon and Robert A. Moore of Aquatrols Corp. Stan Frederiksen of Malinckrodt described the "spring deadspot" cure of Bermudagrass in Baltimore-St. Louis belt.

Members of university agronomy staff summarized recent scientific developments of special interest to supts. Dr. H. L. Dunton covered turf work in Virginia;



## safe-spray the Davey thrifty way

You can't afford to let the valuable ornamental trees around your clubhouse go unprotected against disease. You *can* afford to safe-spray the Davey way. Davey experts are fast, efficient. Our crews will get the necessary equipment in where it's needed, without damaging lawns, or walks, or garden areas. And you save in money you can count by the hundreds of dollars. Because when Davey does the job, you eliminate all cost of owning and maintaining expensive tree-care equipment — plus the cost of trained experts.

Davey experts will use only the most thoroughly tested spray materials. And the job has to be done at the proper time—while your trees are without leaves—a dormant safe-spray application.

Keep your members proud of the looks of their clubhouse surroundings—by keeping your valuable trees protected by nationally known Davey professionals. An early appointment for Davey to safe-spray your showplace trees will be a definite date to start saving maintenance money.

*Write direct to F. F. Lofgren,  
Sales Manager*

**DAVEY**  
TREE EXPERT CO.



**DAVEY TREE  
EXPERT CO.**  
Kent 40, Ohio

The Oldest and Largest Tree Saving  
Service in the World



# WINTER INJURY and SNOW MOLD

...have one thing in common

THEY ARE MORE SEVERE IN  
AREAS OF POOR DRAINAGE

## AQUA-GRO

... moves excess water out,  
prevents overly wet areas  
that encourage snow mold  
and winter injury

•  
*make*

## AQUA-GRO

*a part of  
your fall program*

## NOW!

•  
AQUATROLS CORPORATION of AMERICA  
217 ATLANTIC AVE., CAMDEN, N. J. 08104

### 1965 USGA Competitions

June 17-19	National Open, Bellerive CC, St. Louis
July 1- 3	Women's Open, Atlantic City CC, Northfield, N. J.
12-17	Amateur Public Links, North Park GC, Pittsburgh
Aug. 3- 7	Junior Amateur, Wilmington (Del.) CC, South Course
6- 7	Americas Cup, St. Charles CC, Winnipeg, Man.
16-21	Girls' Junior, Hiwan GC, Evergreen, Colo.
23-28	Women's Amateur, Lakewood CC, Denver
Sept 3- 4	Baltimore (Md.) CC, Five Farms Course
13-18	National Amateur, Southern Hills, Tulsa
Oct. 4- 9	Senior Amateur, Fox Chapel GC, Pittsburgh
13-15	Senior Women's Amateur, Exmoor CC, Highland Park, Ill.

Dr. Ralph Engel covered New Jersey and Dr. Elwyn Deal, Maryland. Dr. Stephen Bachledler spoke on "What Every Supt. Should Know About Plant Diseases." Dr. Joseph Duich of Penn State brought the supts. up to date on weed control. Dr. Fred Grau gave a talk on fertilization.

Dr. Raymond P. Korbobo of Rutgers Univ. Dept. of Horticulture talked on landscaping a country club. Robert Shields, Woodmont supt., and David W. Moote, national GSCA president, spoke on personal aspects of course management.

### Club Celebrations

(Continued from page 82)

be released to newspapers and radio and T.V. stations as soon as decisions are made.

#### What Is Gained

Golf clubs across the country have proved time and again that celebrations are well worth the necessary time and money investments. Effectively sponsored celebrations can:

1. Improve relations with members.
2. Help build community goodwill.
3. Increase use of both course and pro shop.
4. Give you a good indication of where a club stands with regard to members, the local community, and civic leaders.

# new **Betasan**<sup>®</sup>

means crabgrass and poa annua  
control with safety!



Now you can control crabgrass, goose grass, *poa annua* and other grassy weeds on your course as easily as you control broadleaf weeds.

How?

Use Stauffer BETASAN, a new selective pre-emergence herbicide that controls these and other important grassy weeds and some broadleaf weeds. And it's *safe* to the bentgrasses, fescues, bluegrasses and other sensitive perennials used on most courses.

Send for your free copy of Stauffer's new booklet, "BETASAN Control for Crabgrass and Poa Annua in Greens and Turf." BETASAN gives you efficiency and safety.

Stauffer Chemical Company, Agricultural Chemical Division, 380 Madison Avenue, New York, N. Y., 10017.

READ THE LABEL,  
HEED THE LABEL AND  
GROW WITH  
STAUFFER CHEMICALS



Lewis Line

"BAK-9"

### Ball Washer

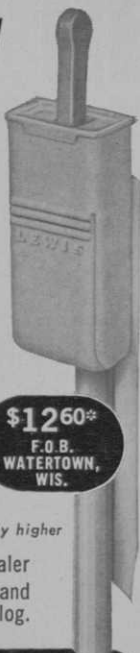
CDC brings back, by popular demand, the old, familiar paddle washer...

- Same quick cleaning action
- Same economical, trouble-free, long-lasting service
- Same Nylon or Bristle Brushes
- Painted White with Red Paddle
- New Tee Data Plate mounts to pole below washer
- Complete stock of parts for older models too!

\*With Bristle Brushes — Nylon slightly higher

ORDER DIRECT or from your dealer  
SAVE MONEY — on flagpoles and other washers. Send for catalog.

CONTAINER DEVELOPMENT CORP.  
MONROE STREET • WATERTOWN, WISCONSIN



\$1260\*  
F.O.B.  
WATERTOWN,  
WIS.

Old Orchard®



CREEPING BENT  
STOLONS

Performance Proved On Over 600  
Successful Golf Courses



FOR GUARANTEED PURITY, UNIFORMITY, QUALITY  
GROWERS UNDER THE SUPERVISION OF  
RALPH BOND — DEVELOPER

Cal-Turf

Patterson & Camarillo  
California

## Swinging Around Golf

(Continued from page 26)

Bob Stevens, who assisted pro Jim Milward at North Hills CC in Menomonee, Wis. last season, has been appointed head pro at Green Bay's Shorewood Club . . . Indian Lakes Estates in Du Page county, west of Chicago, is a subdivision of 400 half-acre homesites that will surround two 18-hole golf courses. The courses are expected to be completed this spring and a clubhouse is being constructed . . . A pitch-and-putt 9-hole course for older people will be constructed next to the regular course in Watsonville, Calif. that's now being built.

Roy "Rusty" Hauschild has been named supt. of the Wheaton (Minn.) GC . . . Last year saw \$20,000 worth of remodeling at Greensburg (Ind.) CC to give extra space to the clubhouse . . . Club also rebuilt several tees and constructed a cart-storage house . . . Howard D. Hungerford, member of the board of directors, is course supt. and supervised course improvements . . . With the opening of the season, golfers should be able to play on the newly constructed Riverside GC (St. Charles, Mich.) as a result of a Small Business Administration \$85,000 loan . . . Shreveport, La.'s newest course, the 18-hole River Haven GC, will be located 4½ miles from the downtown area.

July is the target date for the opening of the 18-hole Randall Oaks course in Dundee (Ill.) . . . A clubhouse is under construction and remodeling of two existing barns to serve as a maintenance shop and garage has been substantially completed . . . April 1st is the scheduled completion date for the \$280,000 renovation program at Oswego Lake CC clubhouse, Lake Oswego, Ore. . . The board of park commissioners of Bridgeport, Conn. has approved \$35,000 for an irrigation system for nine holes of the 36-hole Fairchild Wheeler municipal course . . . New system is to be fully automatic . . . Marco Marinello owner of Wyckoff Park G & CC (near Holyoke, Mass.) has been supervising work on new fairways, greens, tees and a new clubhouse as a result of 23 acres being chopped from the present lay-



## New sprinkler system pays for itself in 10 years... automatically!



Based on actual operating costs, stepping up from hand sprinkling to an automatic Toro underground sprinkler system can:

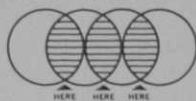
... save up to \$20,000 on labor costs over 10 years if you sprinkle just three months a year;

... save up to \$120,000 on labor costs over 10 years if you sprinkle nine months a year.

And if you now have an underground system with quick couplers and impact sprinklers, you can convert to Toro's automatic system and recover your investment in as little as five years.

Efficient automatic operation is only one of the reasons for a fast payoff with Toro.

**Exclusive valve-in-head sprinklers cost less to install and maintain.** (See illustration above.) Save up to 40% per head, initially. Cost less to maintain because both valve and head are easily reached for quick service.



**Exclusive 2-speed head eliminates double coverage.** Toro's new 660 rotary pop-up head automatically goes twice as fast in overlapping areas, automatically slows to regular speed in areas covered by just one head. Saves water by eliminating puddling, run-

off and waste. With 185' diameter coverage\*, fewer sprinklers are needed to cover the same area.

**Exclusive sprinkler nozzle design** results in the industry's most effective precipitation rates ... can actually reduce your water costs up to 25%.

Let us show you how fast an automatic Toro system can pay off on your turf. We manufacture a full selection of automatic sprinkler system components and can engineer the right system for any job or budget. Call or write your nearest Toro distributor. Or write direct to Toro, P.O. Box 489, Riverside, Calif., for a free analysis.

\*Wind velocity 3 m.p.h. or less

# TORO®

... famous for lawn mowers for over 50 years

# Golfing

★ NATIONAL PLAYERS MAGAZINE

MARCH

THERE IS

only

ONE

## NATIONAL PLAYERS' MAGAZINE THAT BUILDS and PROTECTS *THE GOLF PROFESSIONAL'S BUSINESS!*

- written for and about country club golfers — its circulation tied-in with PRO-shop merchandising . . .
- which refuses advertising hurtful to the golf Professional's business . . .
- that works for the Pro during his busiest months of the year building support with club members and officials!

**Business-wise Golf Professionals know that only GOLFING maintains a strict Pro-only editorial and advertising policy that builds and protects the Golf Professional's business.**

\* Tax-deductible as advertising expense.

**GOLFING's** unique PRO-Member Subscription Plan pays off BIG for the Golf Professional — in pro shop sales, in member prestige, in greater respect and confidence from club officials . . .

### WRITE TODAY FOR ALL THE FACTS

on GOLFING'S powerful, personalized sales promotion-public relations package that does so much for the Golf Professional — at so little cost\* —

write to:

### GOLFING PRO-MEMBER PLAN

407 South Dearborn Street  
Chicago, Illinois 60605

ANOTHER PRO-ONLY MERCHANDISING PROMOTION BY THE PUBLISHERS OF GOLFDOM