

# Sod cutting: You can use your back... or you can use your head.

By using your head, you can save time and money.

The cost of cutting sod isn't just the cost of the equipment you use to do it. It also includes the labor time involved. And at today's wages, time is most definitely money.

That's why the Ryan Jr. Sod Cutter makes sense even for small turf management operations. It can cut up to 135 feet of sod per minute, enabling one man to cut more sod in an hour than six men used to cut in six hours. The Jr. Sod Cutter is self-propelled, easy to handle, and can actually pay for itself in time savings in just one season.

But it also lets you take advantage of the benefits of sodding versus seeding. You can replace dead grass or plant a new stand almost instantly. You have immediate ground cover which prevents erosion and enhances the appearance of your grounds.

And like all Ryan equipment, it's built to last. You may never need a replacement.

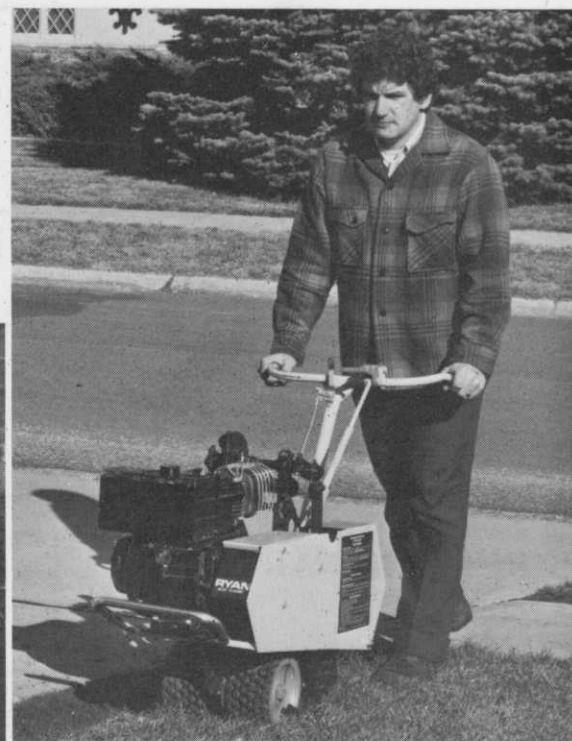
Whether you manage a small golf course, cemetery, landscape service, school grounds, industrial complex, or park, the Jr. Sod Cutter can save you money by making sod cutting less of a time-consuming job.

Write for your Ryan catalog today.

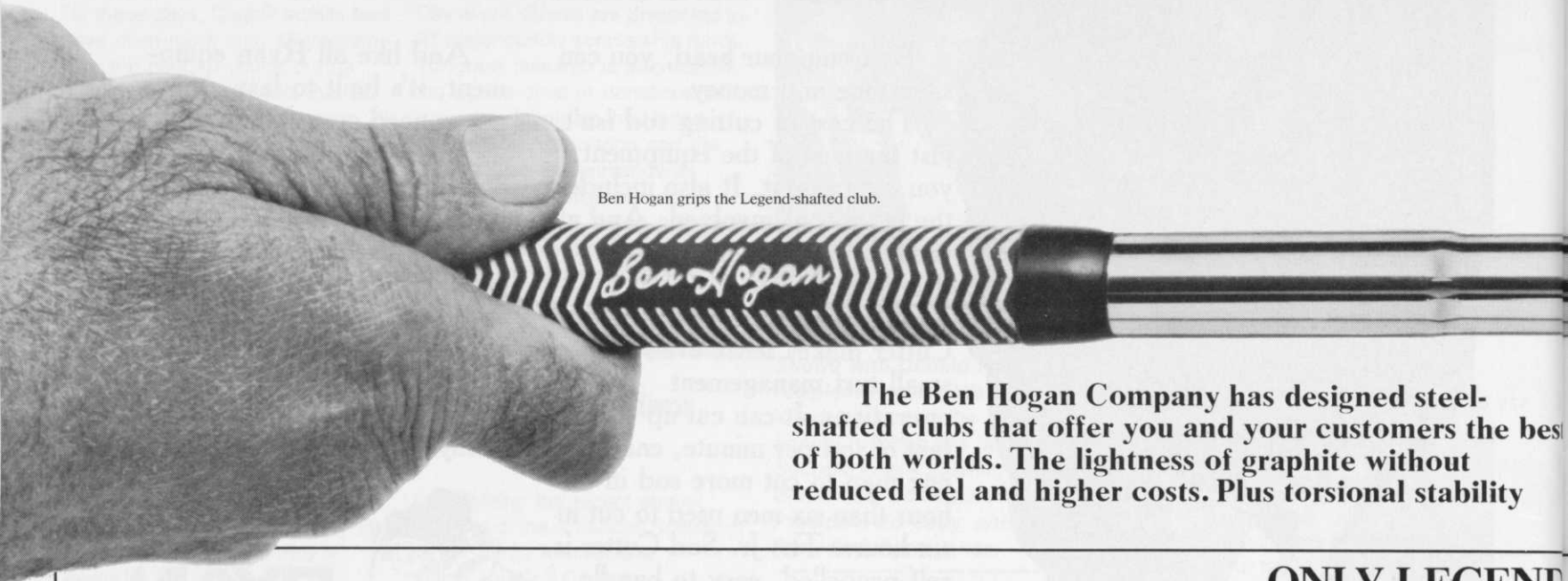


**RYAN**  
TURF-CARE  
EQUIPMENT

OMC-Lincoln, a Division of  
Outboard Marine Corporation,  
5504 Cushman Drive,  
P.O. Box 82409,  
Lincoln, NB 68501



# WHAT YOUR CUSTOMERS BEN HOGAN'S REVOLUTIONARY



Ben Hogan grips the Legend-shafted club.

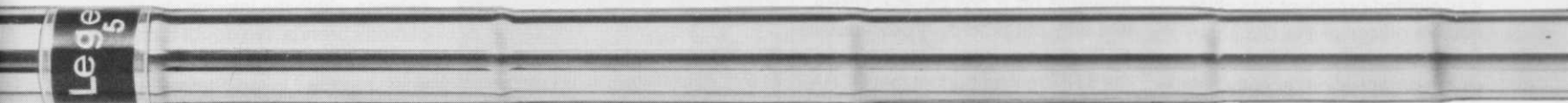
The Ben Hogan Company has designed steel-shafted clubs that offer you and your customers the best of both worlds. The lightness of graphite without reduced feel and higher costs. Plus torsional stability

## ONLY LEGEND

FEATURE	LEGEND SHAFT
<b>LOW CLUB WEIGHT</b>	<b>YES. We've removed weight in all the right places.</b> The Legend-shafted clubs* are a total concept involving removal of weight from both head and grip, as well as the shaft. Yet, swingweight has been kept constant. In fact, our Legend-shafted clubs are 7 to 10% lighter than our lightweight Apex-shafted clubs.
<b>LOW MOMENT OF INERTIA</b>	<b>YES. This means easy swinging for less-tiring play.</b> A measure of the effort needed to swing a club is called the "moment of inertia." The lower the "moment," the easier a club is to swing. The reduced weight of the Hogan Legend-shafted clubs is distributed so it lowers the "moment," making Legend easier to swing. This means your customers can play stronger, clear through the back nine. Conventional steel can't make this claim. Neither can graphite.
<b>LOW BALANCE POINTS</b>	<b>YES. With Legend, your customers will feel the difference...because we've improved our balance.</b> By moving the balance point closer to the club head than ever before, we have increased club head feel.
<b>MORE "FEEL"</b>	<b>YES. Balance plus steel equals "feel!"</b> A steel shaft, like Legend, transmits the impulses from the club head to the hands very efficiently, giving your customers greater "feel" of their shots. Graphite shafts, on the other hand, dampen these impulses, providing reduced feel.
<b>HIGH TORSIONAL STIFFNESS</b>	<b>YES. Legend helps keep your customers' game under control.</b> Our clubs are engineered with the torsional stiffness of steel for less club head deflection at impact...and shot control. Something graphite just can't promise. In fact, with Legend, your customers may be able to use a stiffer shaft... which can improve their accuracy. You might want to suggest this.
<b>STRENGTH</b>	<b>YES. A strong reason for your customers to play Legend.</b> Legend-shafted clubs give your customers the strength of steel. So, unlike graphite, they won't have to worry about shaft breakage under pressure. Our tests show that Legend passed strength tests by substantial margins.
<b>MORE CLUB HEAD SPEED</b>	<b>YES. Lightness means greater club head speed for more distance.</b> Legend's lower weight and lower "moment of inertia" produce increased club head speed. The result is increased distance. *Patent Pending

Lightness, distance, control and feel — only Legend has it all. Exclusively from

# SHOULD KNOW ABOUT LEGEND™-SHAFTED CLUBS.



of steel to stop excessive torquing.

This exclusive design is here now. It's available only from the Ben Hogan Company...and it's worth its weight in performance.

## HAS IT ALL

GRAPHITE SHAFT	CONVENTIONAL STEEL SHAFT
YES	NO
NO	NO
YES	NO
NO	YES
NO	YES
NO	YES
NO	NO



the Ben Hogan Company.



2912 West Pafford Street,  
Fort Worth, Texas 76110

## IN CANADA

**Elections highlight annual PGA meeting**

Al Hosick, a 37-year-old club professional at Kawartha Golf & Country Club, Peterborough, Ont., was elected president and chief executive officer of the Canadian Professional Golfers' Association, as the organization recently held its annual meeting at Humber College in Toronto.

Hosick takes over from the immediate past president Arnold McLean, Lorraine, Que., who will continue to keep active on various CPGA committees. Other officials elected include: Al Ewen, Calgary Golf & Country Club, first vice president; Al Kennedy, Richmond, B.C., second vice president; Jean-Guy Regnaud, St. Hyacinthe, Que., third vice president; and Warren Crosbie, Burlington, Ont., secretary.

Several guests were elected to honorary membership into the group including national PGA of America President Don Padgett, Royal Canadian Golf Association President T. George Armstrong, Imperial Tobacco Products President Ed Ricard, and Labatt Breweries of Canada President D. J. McDougall. Special recognition was made for an honorary membership to Marion Doherty, who recently retired after 40 years with the RCGA.

## GOVERNMENT REGULATION

**GAO study says OSHA program ineffective**

A recent study by the Government Accounting Office has found the enforcement procedure of the Occupational Safety and Health Administration has had minor impact in pushing back the high incidence of accidents in industry. Statistics show that the mortality rate in industrial accidents is more than 100,000 per year.

In spite of a recent Supreme Court judgement that found the enforcement procedure of OSHA

constitutional, the GAO says the agency has made little headway in its short life to put a dent in bettering worker safety.

The report pointed up the overall lack of concerted effort by OSHA to establish regulations on toxic substances safety. With the number of such substances available on a golf course, OSHA has only put protective procedures on 15 such poisons. This in spite of the \$727 million budget that OSHA and its research partner, the National Institute of Occupational Safety and Health, have spent together in the last 5 years.

"It will take more than a century to establish needed standards for substances already identified as hazards," said the GAO report. It is no secret that it may just take OSHA that long to catch up, since new substances seem to be introduced on the market faster than standards can be written.

In essence, the report offers no real alternatives to get OSHA to establish standards faster. It does, however, offer the agency the suggestion that it might attempt an immediate change in direction, emphasizing an educational program which would better train workers for the problems and dangers encountered when handling toxic substances.

**Douglas Costle new EPA administrator**

Senate conformation was recently granted Douglas M. Costle, as President Carter continued to fill out high government positions with the addition of a new administrator for the Environmental Protection Agency.

A 37-year-old lawyer, Costle offers broad experience in both federal and state environmental matters. A native of Long Beach, Calif., Costle received his undergraduate degree from Harvard in 1961. He graduated from the University of Chicago Law School in 1964.

After graduation, he went to work for the Justice Department in its Civil Rights Division, until 1965. He then went with the Economic Development Administration in the



*EPA Administrator Costle*

Department of Commerce through 1967. He ventured into private law practice, but opted for the political life again, as a senior staff associate for environmental and natural resources as part of the President's Advisory Council on Executive Organization. There he headed the study that recommended EPA.

The bulk of his administrative experience was gathered as deputy commissioner and eventually commissioner of the Connecticut EPA from January 1972 to July 1975. He also consulted the federal EPA on land use projects.

In his confirmation hearing, Costle told the senators present that, "for too long, environmental concern has been portrayed as an obstacle to energy development. This administration, in contrast, believes that environmental protection is not an obstacle but merely a necessary precondition for energy development."

As the third administrator of the 6-year-old agency, Costle will oversee more than 10,000 employees in Washington and at 10 regional offices. EPA's current fiscal budget is more than \$865 million. There are clues EPA should be a tougher enforcer than in the past with Russel Train.

In the only major showdown of the Train administration involving the golf business, Train rescinded an earlier EPA ban on mercury use at golf facilities. What the EPA will be doing under Costle is anyone's guess. Pesticides and toxic substances will continue to be chief topics of contention with EPA, though.

## GOLF EQUIPMENT

**USGA set to test ball aerodynamics**

It hasn't been any secret that golf balls have been and are still manufactured with some imbalance within the internal structure of many brands. No doubt balls are spherical and on the surface look right, but the United States Golf Association is looking into whether the golf ball has even aerodynamic properties.

Late in January during the annual USGA meetings in Atlanta, questions were raised on whether the association should direct some of its equipment testing expertise into ball aerodynamics. The Overall Distance Standard had set limits on the extent of a ball flight's; the question now was whether that flight is indeed fair to the golfer.

What really inspired the probe were recent appearances on the market of balls that claimed to correct a hook or slice. These claims touch right on the USGA position that equipment will not be allowed that does not hold the integrity of the game high.

There has been little reaction from the golf ball manufacturers, although something was surely brought up during the manufacturers spring meetings last month in Florida.

In its statement, the USGA gave the manufacturers a subtle reminder they would be looking into the matter: "Golf ball designers and manufacturers should take into consideration the announced intention of the USGA to adopt aerodynamic and mass distribution standards in connection with the production of any new golf balls." Just what the program will entail is anyone's guess, but the wheels are obviously in motion.

## NEW CLUBS &amp; COURSES

**NCGA to buy land for its own course**

Sometime in the near future, the Northern California Golf Association will become the first regional golf association in the United States

to own and operate its own course for the benefit of its membership.

On March 25, the NCGA's board of directors voted unanimously to purchase 153 acres of land in the Monterey Peninsula's Del Monte Forest as a future site for an NCGA-owned golf course and headquarters. The land, now owned by Del Monte Properties Co., is located among the famous Pebble Beach, Cypress Point, and Spyglass Hill courses.

The board's action was based on a vote of delegates representing the association's 265 member clubs. A substantial majority of the delegates voted in favor of the proposal to purchase the land at a cost of \$7,000 per acre, for a total price of \$1,071,000. The outright purchase was to be made in April after negotiations were concluded.

#### GB EDITORIAL BOARD

### Bob Benning added to advisory panel

Noted east coast golf professional Bob Benning has become the newest member of the GOLF BUSINESS editorial advisory board. Head professional at the famous Congressional Country Club in Bethesda, Md., Benning brings 17 years of experience to the six-member panel.

The 44-year-old graduate of Purdue University is a native of Dayton, Ohio. He started his career as an assistant professional at Wright-Patterson Air Force Base



Benning

Golf Course near Dayton in 1960. He then headed to Oakmont Country Club, Glendale, Calif., in 1961 as an assistant and after a year there, went to Mountain Ridge Country Club, West Caldwell, N.J. He served there through 1962 and part of 1963, but then left for the west coast again and Thunderbird Country Club, Palm Springs, Calif.

Benning landed his first head professional position in 1964 at the Plainfield (N.J.) Country Club. The post lasted until 1973, when he moved to Congressional.

Currently vice president of the Mid-Atlantic PGA section, Benning is a past president of the New Jersey PGA and is periodically a scorer and technical advisor for ABC-TV golf telecasts.

#### ARCHITECTS

### International firm takes a new name

All that really changes is the name in a move by the architectural company of Fream/Strom/Associates Ltd. that now lists as Thomson, Wolveridge, Fream & Associates. The switch effects the firm's American office in Los Gatos, Calif.

Fream/Strom/Associates Ltd. was formerly known internationally as Harris, Thomson, Wolveridge, Fream & Strom. The name change was predicated on the death of noted British architect John Harris, who passed away in London last February.

Peter Thomson, five-time British Open champion, heads up the reorganization. Michael Wolveridge, an associate for a dozen years of Harris, is situated in the firm's Melbourne, Australia, office along with Thomson.

American architect Ronald Fream will continue to direct the California office. The west coast operation is currently involved in projects in Asia, the Caribbean, Europe, and North Africa. Fream had worked in the past with such famous architects as Robert Trent Jones, Robert Muir Graves, and Robert "Red" Lawrence.

Other Thomson, Wolveridge, Fream & Associates offices are in Nagoya, Japan; Zurich, Switzerland; and the Seattle suburb of Mercer Island.

Wherever  
golf is played...

BALL WASHERS • FLAG POLE AND FLAGS  
CUPS AND HOLE CUTTERS • SPIKE BRUSHES  
SAND TRAP RAKES • FURNITURE  
TEE MARKERS • SIGNS



FOR COMPLETE LINE OF PAR AIDE GREENS  
AND TEES EQUIPMENT—WRITE FOR CATALOG

**PAR AIDE PRODUCTS COMPANY**  
296 NORTH PASCAL STREET • ST. PAUL, MINNESOTA 55104

Circle 102 on free information card

### MUSSON FLUFF CORD SPIKE TILE



**IF YOU ARE CONCERNED WITH THE  
MAINTENANCE, SAFETY AND APPEARANCE  
OF YOUR CLUB'S FLOORS, REQUEST  
THE USE OF FLUFF CORD SPIKE TILE**

This spike-resistant floor covering has a carpet-like surface. It is made of rubberized fabric strips of heavy-duty tire stock, bonded to a fiberglass mesh base. Tiles are  $\frac{3}{8}$ " thick and 12" x 12" square.

Write For Information and Prices

**THE R. C. MUSSON RUBBER CO.**  
1320-1330 Archwood Ave. Akron, Ohio 44306

Circle 110 on free information card



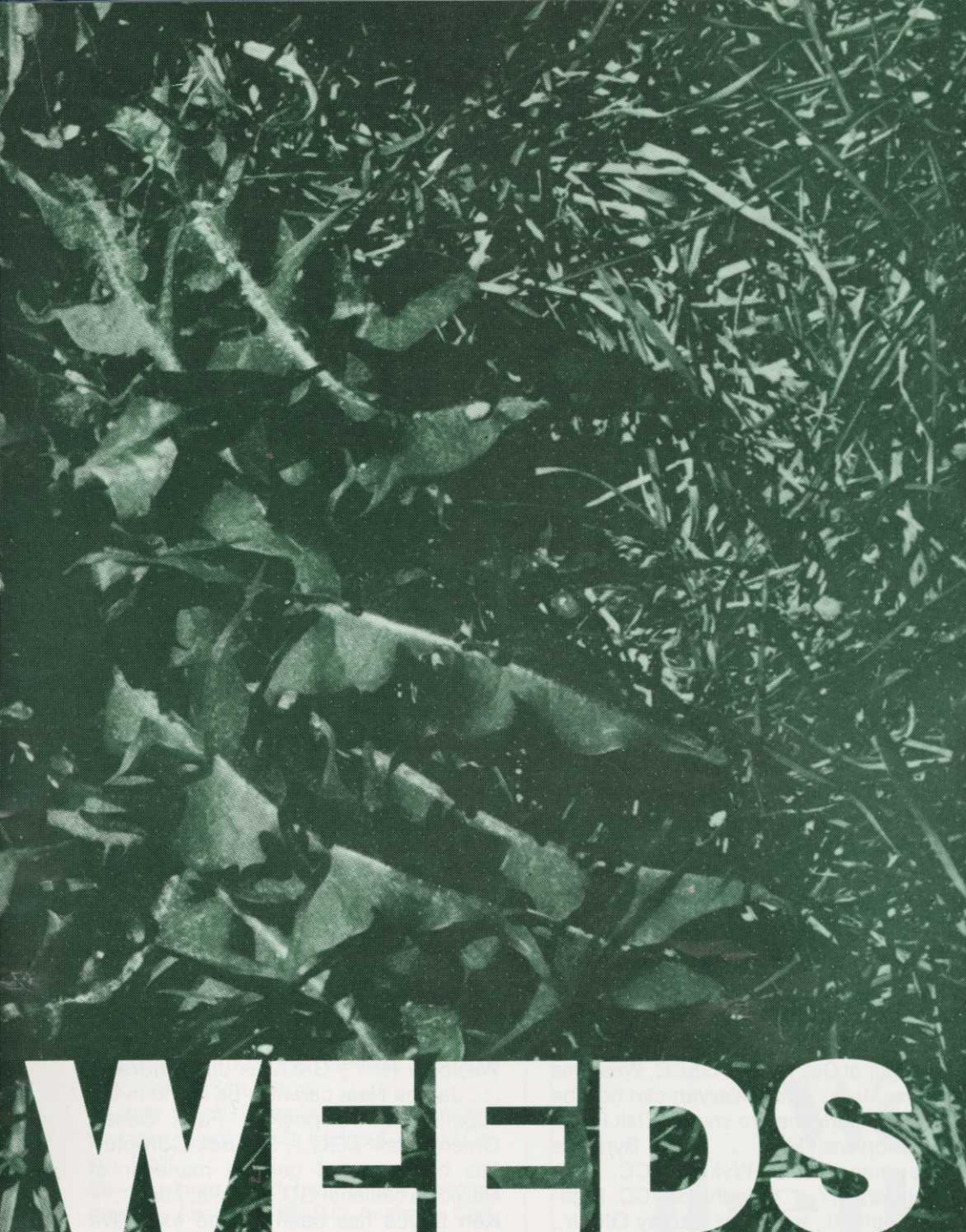
# WIPE OUT WITH BANVEL<sup>®</sup> 4S...

**Banvel herbicides are broadleaf weed "specialists" designed for professional turf programs.**

As a professional turf man you have a reputation to be proud of. And, rightly so! Your skill, knowledge and effort shows in the beauty and quality of your turf. So why take chances with understrength herbicides? Herbicides that get some broadleaf weeds but leave you with repeated deep-rooted problems—such as dandelions and plantain. Banvel 4S and Banvel +2,4D control all the major broadleaf weeds, and most of the time with just one application. Check the chart and compare your weed problems with the herbicides available.

**Here's why Banvel herbicides are the professionals' choice for weed control**

- When used as directed Banvel will not harm trees, ornamentals or grass—it just eliminates weeds.
- No season restrictions. Lay down Banvel from early spring to late fall—all through the growing season.
- Rain will not affect Banvel. It keeps working because it translocates—penetrates leaves and is absorbed through roots to attack every part of the weed.
- Banvel is not a soil sterilant. There is no residual reaction from Banvel as it is broken down in the soil by bacterial action. It is biodegradable.
- No special spraying equipment necessary. It is easy to clean out of equipment after use.
- Mixes readily with hard or soft water.
- Easily stored through winter months without losing potency.



# WEEDS

## BANVEL<sup>®</sup>+2,4D

herbicides...



Circle 125 on free information card

**Herbicide and Broadleaf Weed Susceptibility**

Weed	2,4-D	Silvex	Meco-prop Dicamba	
			prop	Dicamba
Bindweed	S	S-I	S-I	S
Bittercress	S	S-I	S-I	S
Black medic	R	S-I	I	S
Buttercup	S-I	I	I	S
Carpetweed	S	S	S	S
Chickweed, common	R	S	S-I	S
Mouse-ear	I-R	S	S-I	S
Chicory	S	S	S	S
Clover, crimson	S	S	S	S
Hop	I	S	S	S
White	I	S	S	S
Cranesbill	S	S-I	S-I	S
Daisy, oxeye	I	I	I	I
Dandelion	S	S	S	S
Dock	I	I-R	I-R	S
Dogfennel	I	S	I	S
Garlic, wild	S-I	R	R	S-I
Ground ivy	I-R	S-I	I	S-I
Hawkweed	S-I	R	R	S-I
Henbit	I	S	I	S
Knapweed, spotted	I	S-I	I	S
Knawel	R	S	I	S
Knotweed	R	I	I	S
Lambsquarter	S	S	S	S
Lespedeza	I-R	S	S	S
Mugwort	I	I-R	I-R	S-I
Mustards	S	S-I	I	S
Nutsedge	I	R	R	R
Onion, wild	I	R	R	S-I
Ornamental plants	S-I	S-I	S-I	S
Woodsorrel	R	S	R	I
Pennycress	S	S-I	I	S
Pepperweed	S	S-I	S-I	S
Pigweed	S	S	S	S
Plantains	S	I	I-R	I-R
Poison ivy	I	S	R	S-I
Pony foot	S	I	I	S-I
Prostrate spurge	I	I	I	S
Purslane	I	S-I	R	S
Red sorrel	R	I	R	S
Shepherdspurse	S	S	S-I	S
Speedwell	I-R	I-R	I-R	I-R
Spotted spurge	I-R	I	S-I	S-I
Thistle, musk, curl	S	I	I	S
Thistle, Canada	I	I	I	S
Vegetables	S	S	S	S
Wild carrot	S	S-I	S-I	S
Wild strawberry	R	I	R	S-I
Yarrow	I	I-R	I-R	S
Yellow rocket	S-I	I	I	S-I

S = weed susceptible; I = intermediate, good control at times with high rates, sometimes poor, usually require more than one treatment; R = resistant weeds in most instances.

Chart reprinted by permission, S. Wayne Bingham, Ph. D.

### “Two” is better!

Some weeds simply aren't affected by single herbicide treatment. But Banvel + 2,4D has an “additive effect” in that the two herbicides get weeds that one alone just weakens.

**Banvel herbicides—products for professional turf men**

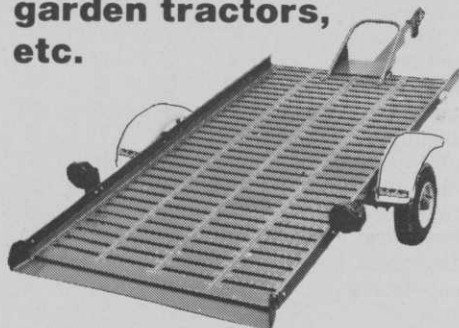


Velsicol Chemical Corporation  
341 East Ohio Street • Chicago, Ill. 60611  
© Velsicol Chemical Corporation, 1976

not only will this  
**all-purpose  
trailer**  
carry your golf cart



but it also will  
handle snowmobiles,  
garden tractors,  
etc.



write for catalog  
**HOLSCLAW BROS., INC.**  
414 N. Willow Road  
Evansville, Ind. 47711  
Circle 104 on free information card

**IF...**

**YOU OWN OR  
OPERATE A:**

**Pro Shop  
Golf Course  
Driving Range  
Par-3 Course  
Miniature Course**

**... SEND NOW,  
FOR OUR**

**New 64-Page  
Wholesalers Catalog  
of Golf Supplies**

Balls, clubs, club repair supplies, tees, mats, pails, markers, retrievers, golf bags, obstacles, ball washers, ball pickers, electric bug killers, ball stripping & painting, supplies, grips, nets, shoes & accessories, umbrellas ... and more!

**Eastern  
GOLF COMPANY inc.**  
2537 Boston Road (Route 21)  
Bronx, N.Y. 10467

Circle 118 on free information card

## People on the move

Frank Saccone is club manager at Westover Inn & GC, Jeffersonville, Pa. ... **Sawtelle Brothers** a 40-year-old turf maintenance speciality firm in Swampscott, Mass., has been given distribution rights for Ryan products throughout Maine. **Sawtelle Brothers** also sells Ryan's sister line, Cushman, in Maine and four other New England states ... golf director at Sherwood Golf & Racquet Club, Friar Tuck Inn, Cairo, N.Y., is **John Doctor** ... **Stephen Gedo** is club manager at Burlington (Ia.) ... **Gerald Quinn** is now club manager at Dornick Hills G&CC, Ardmore, Okla. ... Tall Timber CC, Slingerland, N.Y., has **George Lauretti** as its new club professional ... **Marvin Joseph** has taken over the club management chores at Waxahachie (Tex.) CC ... **Nashboro Village GC**, Nashville, Tenn., has a new club professional in **Bobby McIver** ... **Daniel Gorigin** has been named the club manager at Des Moines G&CC, West Des Moines, Ia. ... **Don Waryan** can now be found minding the pro shop at Oak Ridge CC, Hopkins, Minn. ... **Dan Byrne** is club manager at Wykagyl CC, New Rochelle, N.Y. ... **Northmoor CC**, Highland Park, Ill., has hired **Harvey Ott, Jr.**, as its club pro ... **Charles Warren** has assumed the club manager post at Marakech G&CC, Palm Springs, Ca. ... **Itasca (Ill.) CC** has **Greg Befera** as its latest club professional ... several changes have been made in the Tech Rep force for the ProTurf Division of O.M. Scott and Sons. **Gary Custis** will now handle the eastern Michigan territory, while **Dick Evenson** will handle the Delaware, northern Maryland and Philadelphia territory, and **Gregg Deegan** will be in charge of selling Westchester county in New York. In another announcement, **Ron Gagne** has been promoted to senior Tech Rep with a territory covering Westchester, Putnam and Dutchess counties in New York and part of Fairfield county in Connecticut. Gagne is a seven-year veteran of ProTurf ... **Woodlake G&CC**, Lakewood, N.J. has **George Kertay** as its new club manager ... **Eddie Barrett** is club professional at Springs CC, Sumter, S.C. ... **Bob DePencier** is in charge of the five courses and their maintenance at Pinehurst resort, in North Carolina ... **John Dixon** is club manager at Rosemont CC, Akron ... **Jim Campbell** has taken over as club professional at Pine-land CC, Nichols, S.C. ... **Stephen**

**Karoul** has become club manager at Ravisloe CC, Homewood, Ill. ... **Dick Nelson** can now be found as club professional at St. Cloud (Minn.) CC ... **Harry Davis** is club manager at Virginia CC, Long Beach, Cal ... **Robert J. Nicolazzi** has been named general marketing manager for Ford Motor Company's worldwide tractor operations out of the firm's Troy, Mich., office ... **Quin Sullivan** is club professional at Springfield (Va.) G&CC ... **David Butterfield** is vice president and general manager at Stevens Point (Wisc.) CC ... **Tom Smack** has assumed the golf professional's position at Caroline CC, Denton, Md. ... **Quail Hollow CC**, Charlotte, N.C., has hired **V. Ashley Balman** its general manager. ... **Phil Phelan** is new golf course superintendent at Rolling Green GC, Sarasota, Fla. ... **Gus Burdis** has taken over as club manager at Ogden (Ut.) G&CC ... club professional at Old Westbury (N.Y.) G&CC is **Jim Andrews** ... **James Neal** can now be found in the superintendent's post at Palm Desert Greens (Calif.) GC ... **Chuck Compton** has been named general manager at Hazeltine National GC, Chaska, Minn. ... **Ken Boyce** has been named executive director of the Illinois PGA section. **Boyce's** previous position was with PGA/Victor Golf Co. as its marketing services manager for the past five years. **Boyce** will work out of the section's Oak Brook office. ... **Thomas O'Connor** is new club manager at Bloomington (Ill.) CC. ... **Ed Shoemaker** has been named marketing director for Rain Bird Sprinkler Corporation's turf products ... **Lenny Peters** can be found minding the golf program at St. George's G&CC, Stony Brook, N.Y. ... **Belle Meade CC**, Nashville, Tenn., has a new club manager in **Walter Thomas** ... **Quin Sullivan** handles pro shop duties at Springfield (Va.) G&CC ... **J. C. Johnson** is club manager at Balcones CC, Austin, Tex. ... **Caroline CC**, Denton, Md., has announced the appointment of **Tom Smack** as its club professional ... **John Cosner** is responsible for club management at Uvalde (Tex.) CC ... **Mike Avis** is new club professional at Meadowbrook CC, Prairie Village, Kan. ... **Montgomery (Md.) CC** has named **Dave Maguire** its new professional ... **F. T. Gravatt** is club manager at DeSoto CC, Hot Springs Village, Ark. ... **Gary Hoover** has assumed the professional's position at Shamrock Hills GC, Lee's Summit, Mo.



## Coming events

### MAY

- 16**—NCA educational seminar, club taxes, Lauderdale (Fla.) Yacht Club.  
**19**—Rocky Mountain GCSA monthly meeting, Columbine CC, Littleton, Colo.  
**21-25**—National Restaurant Association 58th Hotel/Motel Restaurant Show, McCormick Place, Chicago.  
**22-23**—Southern California Turfgrass Federation meeting, San Luis Obispo CC.  
**29-June 11**—National Golf Day.

### JUNE

- 6**—NRA educational seminar, people relations, Doubletree Inn, Seattle.  
 Midwest GCSA monthly meeting, Beverly CC, Chicago.  
**9**—Indiana GCSA monthly meeting, Terre Haute CC.  
 Ontario GCSA Turf Plots, University of Guelph, Galt (Ont.) CC.  
**14**—Mid-Atlantic GCSA monthly meeting, Sparrows Point CC, Baltimore.  
**21**—NRA educational seminar, explore purchasing, San Diego.  
**26-July 1**—NGF seminar for teachers and coaches, Singing Hills Lodge & CC, El Cajon, Calif.  
**28**—Southern California GCSA monthly meeting, Anaheim Hills GC, Anaheim, Calif.

### JULY

- 12**—Indiana GCSA monthly meeting, Edgewood CC, Anderson.  
 Carolinas GCSA monthly meeting, Pinehurst (N.C.) CC.  
 Mid-Atlantic GCSA monthly meeting, Hunt Valley GC, Fallston, Md.  
 Heart of America GCSA monthly meeting, Lake Shawnee GC, Topeka, Kan.  
**17-22**—NGF seminar for teachers and coaches, Hueston Woods Lodge, College Corner, Ohio.  
**18**—NRA educational seminar, explore purchasing, Sheraton Plaza Hotel, Chicago.  
**19**—NRA educational seminar, people relations, Kahler Plaza Inn, Orlando, Fla.  
**21**—Rocky Mountain GCSA monthly meeting, Eisenhower GC, Air Force Academy, Colorado Springs.  
**25-27**—Club Management Institute, personnel and club law, Washington, D.C.  
**26**—NRA educational seminar, simplified baking workshop, Cleveland Marriott Inn.  
**31-Aug. 5**—NGF seminar for teachers and coaches, Pine Needles Lodge & CC, Southern Pines, N.C.

### AUGUST

- 4**—Rutgers Turfgrass Research Field Day, Rutgers University, New Brunswick, N.J.

The Toney Penna Distance Ball. That's what it says on the box... that's what it "says" on every ball. Our main reason for developing Toney Penna DB was distance, distance enough to beat other leading balls. And when we tested our ball against five other balls, it did just that.

And we made our distance ball a durable ball,

so it wouldn't cut like the thin-shelled balata distance ball, left.

Finally, we gave it a great feel, much sweeter than the old rock-like distance ball, right.

Now, we could have called it a Toney Penna Durable Ball... or a Good-Feel Ball... but we wanted to let golfers know exactly what the Toney Penna DB was all about. So we named it for what it does best—distance.

	AVG. CARRY (YDS.)	AVG. CARRY PLUS ROLL (YDS.)
Toney Penna DB (2-pc)	228.79	254.57
Titleist Pro Trajectory	229.26	252.50
Wilson Pro Staff	225.11	249.24
Titleist DT	228.01	249.16
Spalding Top-Flite (2-pc.)	220.57	247.12
Dunlop Blue Max	222.00	244.22

The chart, above, constitutes the results of tests which were conducted in Arizona on October 19, 20 and 21, 1976 by Nationwide Consumer Testing Institute, Inc. Each of 51 golfers hit three each of the leading brands of balls shown, using a driver off of a tee, and brand new balls. Carry, and carry-plus-roll were measured on each hit. Test details available from Rawlings Golf on request.

**Toney Penna DB**  
by Rawlings

THE DISTANCE BALL



## Distance is our middle name.



# We'll go the distance.

When we sold out six months' production of Toney Penna DB golf balls in less than two months, a lot of pros wondered, "What are these guys made of? Are they going to start shipping less than the real thing just to keep up?"

Well, our answer to that is that the high standards of production which we have set for the Toney Penna DB will never be compromised, not even by overwhelming success. And the thousands of golfers who believe in the integrity of our ball will never be disappointed... not this season, not any season.

Through the ad above we're continuing to tell golfers everywhere about the Toney Penna DB, the different distance ball. And we'll continue to ship to you just as fast as we can.

We're very proud that our Toney Penna DB is a fast seller. But we're going to make very sure it's a ball that will go the distance, too.

**Rawlings**  
GOLF

Rawlings Golf, a division of A-T-O Inc., Hebron, Ohio 43025

## Are modern courses designed for golfers — or for superintendents?

by Edwin B. Seay

*The necessity to control rapidly rising maintenance costs need not overshadow the desire to make golf courses interesting, challenging, and fun to play.*

Golf courses were once designed with one primary goal in mind . . . to challenge and excite the golfer.

That was before golf course maintenance costs started skyrocketing out of control. Now, the golf course architect designs with two needs in mind: the golfer's, and the golf course superintendent's.

A recent poll conducted by the American Society of Golf Course Architects reveals that one of the most noticeable changes in the past 10 years has been the development of courses designed for easy maintenance.

Does this mean that the needs of the golfer are being compromised to satisfy the needs of the superintendent and his maintenance budget?

There's always the danger, but members of the ASGCA indicate there is no reason why both needs can't be fully satisfied with modern design.

No professional golf course architect can overlook the "maintenance factor" in his design. As architect Jack Kidwell, Columbus, Ohio, points out: "The annual maintenance cost at a Class A facility has increased from \$4,200 per hole to \$7,900 per hole in just 5 years. Maintenance costs are reaching the point where they are threatening the growth of golf, and it is imperative that architects do everything in their power to face the problem and solve it through innovative design."

Architect Ted Robinson, Palos Verdes Peninsula, Calif., warns: "If we don't reverse the trend of exploding maintenance costs, there will be fewer new courses built. The challenge to the architect now is to minimize maintenance costs without compromising character and interest of the course."

---

*Ed Seay is one of the most popular and prolific golf course architects in the country, if not the world. He is also immediate past president of the ASGCA.*

Architect Fred Garbin, Export, Pa., insists: "Good design and easy maintenance are not incompatible. But the blending of the two elements is a complex problem fraught with pitfalls."

For example, architect Robert Trent Jones, Jr., Palo Alto, Calif., points out: "Some new courses have been built around the use of new mechanical equipment to cut down assumed labor costs, but many of these courses violate the traditions of shot value and the game of golf."

Architect William Howard Neff, Salt Lake City, Utah, names one of the most common pitfalls: "Oftentimes, the definition between fairway and rough has been eliminated, in the mistaken notion that this is necessary, or desirable."

Architect Dick Phelps, Lakewood, Colo., feels: "In some cases the character of the golf course is completely lost and replaced by a 'pasture pool,' that may offer easy maintenance, but unimaginative play."

Architect Michael Hurdzan, Columbus, Ohio, feels: "Artistic considerations are in some cases giving way to function in an effort to reduce construction and maintenance costs. This is manifested in the use of fewer traps, and the spacing and placement of traps to accommodate large gang mowers and eliminate time-consuming and costly hand mowing."

Such techniques are generally acceptable to most course designers, but architect Bill Amick, Daytona Beach, Fla., sums up their feelings: "The architect must make every trap count in the strategy and appearance of the course. You don't want traps placed simply to accommodate mowers, just as you don't want wall-to-wall sand because it eliminates mowing entirely, or perhaps adds contrast to an otherwise poorly designed hole."

Architect Don Herfort, Minneapolis, Minn., who sees a serious need for courses designed for modern