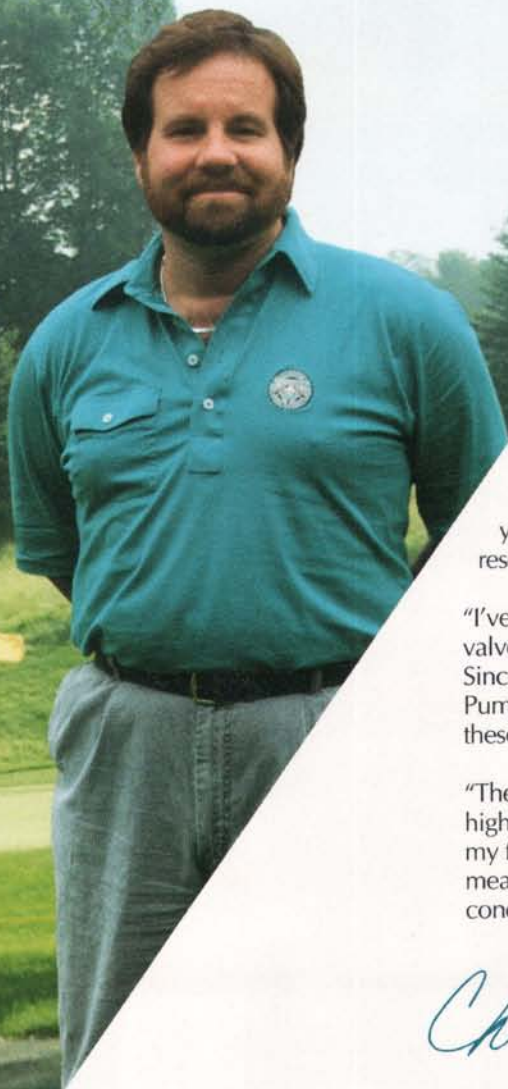


**"Watertronics provided a high quality, reliable pumping source..."**



"Thank you for the outstanding design, service and operational ease of my Watertronics Vertical Turbine (VT) Pumping Station."

"After a full season of operation I can truthfully say that Watertronics has met my expectations of what a system can do. I now view Watertronics as one of the leaders in the irrigation pumping industry."

"The help and technical guidance I received was first rate, correct and understandable. We were in full operation within 90 days, which says a lot for your attention to detail, scheduling and company resource networking."

"I've had previous experience with hydraulic regulating valves and seemed to have continual problems with them. Since changing to Watertronics' Programmable Logic Pumping System with Electrically Actuated Butterfly Valves, these difficulties have been virtually eliminated."

"The bottom line is that Watertronics provided me with a high quality, reliable pumping source capable of keeping my flow and pressure right where they should be. This has meant more uniform sprinkler coverage and better playing conditions."

Sincerely,

Chris L. Hague, CGCS  
Hazeltine National Golf Club

Call today for your  
free VT Brochure.

**1-800-356-6686**  
(In Wisconsin, call 414-782-6688)



**WATERTRONICS**™

© Copyright 1990 Watertronics No. 0009





# 3020

## Series Trenchers

# The World's Most Versatile Trenchers.

*Designed for more uses, with lower equipment costs.*

If your work includes a wide variety of tasks, you need a service line trencher with a new dimension. The fully hydrostatic drive Bobcat 3020 Series trenchers are the world's first true multiple attachment trenchers, featuring Bobcat<sup>™</sup>, a revolutionary quick-attach system.

Best of all, 3020 Series trenchers are built with the Bobcat commitment to quality parts and workmanship, and backed by the industry's best warranty.

Check out the versatile Bobcat 3020 Series trenchers today.



Bobcat<sup>™</sup> is a hydraulic, quick-attachment change system that, when combined with the optional three-point hitch, allows the 3020 Series models to use many Category One attachments.

### Options and Attachments

- T305 3' to 5' Trencher Attachment
- P318 Vibratory Plow
- H301 Three-point Hitch
- Rotary Boring Unit
- Auxiliary Hydraulics
- T906 Backhoe
- Six-way Blade
- Sure Grip Tires
- Swivel Seat
- Weight Kits



Turn your 3020 Series trencher into a high production backhoe with the T906 attachment. Featuring 180-degree boom swing and up to six-foot digging depth.



The heavy-duty parallelogram blade keeps the blade constantly parallel with the ground, providing better, cleaner reclamation of the trench, less scuffing of turf, and more precise placement of the spoil pile.

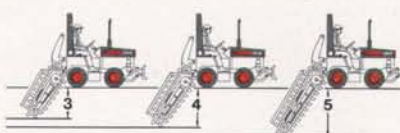
**Liquid-Cooled Performance and Reliability.** Bobcat 3020 Series trenchers are the only 30 hp class units equipped with liquid-cooled engines. Liquid cooling provides consistent performance and lengthens time between maintenance checks. Choose from gasoline or diesel models.



See Your  
Dealer For  
Details!

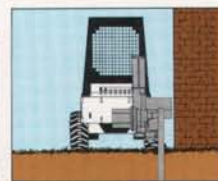
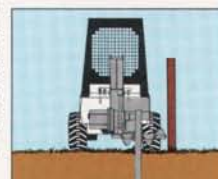
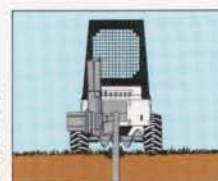
### Introducing 303

**3 Trenching Positions + 3 Digging Depths =  
Maximum Versatility**



3-in-1 digging boom (an industry first) allows 3', 4' and 5' digging depths in one boom with just the use of a grease gun and a small hand tool. 14-pitch interchangeable chain sections extend the digging chain for greater versatility.

**The Added Flexibility of Bobcat's Exclusive 3-position Trencher Attachment.** Work close to buildings, fence lines and other obstructions. The attachment can be quickly moved from the centerline digging position to the full offset position. It provides three-position trenching: centerline, 15" off center and full offset, right.



**MELROE** COMPANY  
A BUSINESS UNIT OF DANA EQUIPMENT COMPANY

P.O. Box 6019  
Fargo, ND 58108-6019



### STAFF

PUBLISHER DENNEGOLDSTEIN  
ASSOCIATE PUBLISHERS BRUCE F. SHANK

MARK ADAMS

EXECUTIVE EDITOR ANNE GOLDSTEIN

EDITOR JAMES GREGORY

ASSOCIATE EDITOR MATTHEW TRULIO

ADVERTISING SALES ANDREW BROZEK

ART DIRECTOR STACEY GOLDSTEIN

PRODUCTION PAM BROOKS

CIRCULATION DENISE ALLEN

FULFILLMENT SUE LAGOMARSINO

ADVISORY BOARD ED BIRCH, TOM COOK,

WILLIAM DANIEL, VIC GIBEAULT,

DON HOGAN, HENRY INDYK,

WILLIAM KNOOP, GREG PETRY,

MIKE SCHILLER.

ADVERTISING AND EDITORIAL OFFICES

P.O. BOX 8420, VAN NUYS, CA 91409 / 818-781-8300

### SUBSCRIPTION RATES

ONE YEAR \$22

TWO YEARS \$35

FOREIGN (ONE YEAR) \$45

**GTP** Gold Trade  
Publications, Inc.

6913 VALJEAN, VAN NUYS, CA 91406

(818) 781-8300, FAX (818) 781-8517

### OTHER GOLD TRADE PUBLICATIONS

LANDSCAPE & IRRIGATION

ARBOR AGE

IRRIGATION JOURNAL

LANDSCAPE DESIGN

### EXECUTIVE STAFF

PRESIDENT DENNE GOLDSTEIN

EXECUTIVE VICE PRESIDENT BRUCE F. SHANK

VICE PRESIDENT ANNE GOLDSTEIN

VICE PRESIDENT RANDI GOLDSTEIN

VICE PRESIDENT IRA GOLDSTEIN



Golf & sportsTURF Magazine  
(ISSN 1049-0000)

is published monthly by Gold Trade Publications, Inc. Material in this publication may not be reproduced or photocopied in any form without the written permission of the publisher. Copyright © 1990. Member of the Business Publications Audit of Circulation, Inc.

VOLUME SIX, NUMBER ELEVEN

NOVEMBER 1990

## MAIN EVENTS

### 12 SELECTION AND PROTECTION OF PUMP STATIONS

Rising energy prices and an increasing reliance on effluent water for irrigation are placing renewed emphasis on the efficiency of golf course pump stations. The cost of inefficient stations will be magnified in the coming months. Each portion of the irrigation system, from the intake filter to the sprinkler head, needs to be evaluated as to its effect on pump station energy use.

### 20 TALL FESCUES MEET THE CHALLENGE

Tall fescues are helping superintendents and sports turf managers conserve water, reduce the amount of pesticides they use, and improve wear tolerance of heavily-used turf facilities. This article reveals keys to managing turf-type tall fescues on golf course roughs and athletic fields in the transition zone. Joe Motz, a sports turf contractor in Cincinnati, OH, and Mike Hulteen, superintendent of Deer Creek in Marysville, KS, lend their expertise in establishing and maintaining turf-type tall fescues.

### 25 MY DIAMOND ANNIVERSARY IN GOLF

Bob Hope, legendary comedian and ambassador of golf, reflects on his 60 years of playing golf. In this exclusive article, he gives opinions on golf course design, the beauty of golf courses around the world, and the positive influence of the sport on people — from presidents to millions of weekend hackers.

## LINE-UP

6 FRONT OFFICE

6 EVENTS

30 CHALKBOARD

31 ROOKIES

34 SCOREBOARD

**COVER:** Bob Hope tees off during the Bob Hope Chrysler Classic.

SECOND CLASS POSTAGE PAID at Van Nuys, CA

Postmaster: Please send change of address to  
Golf & sportsTURF, P.O. Box 8420, Van Nuys, CA 91409.





# We're Known By The Companies We Keep.

We are **HYDRO-SCAPE PRODUCTS, INC.**  
— your one source for everything in irrigation  
and landscape supplies and turf equipment.  
For over 15 years we have provided the  
green industry with the best brands and the  
best service.

We have what you need.



## HYDRO-SCAPE PRODUCTS INC.

<b>CARLSBAD</b> 5701 El Camino Real 619/438-7661	<b>SAN BERNARDINO</b> 9966 S. Mountain View Ave. 714/824-3612	<b>EL TORO</b> 22542 Shannon Circle 714/951-8827
<b>ESCONDIDO</b> 731 Enterprise St. 619/746-8000	<b>ORANGE</b> 610 N. Batavia 714/639-1850 213/924-3309	<b>RIVERSIDE</b> 4115 Indus Way 714/734-3330
<b>SAN DIEGO</b> 5805 Kearny Villa Rd. 619/560-6611	<b>CHULA VISTA</b> 375 Trousdale Dr. 619/691-9700	<b>SAN JUAN CAPISTRANO</b> 33012 Calle Avilador 714/496-1998
<b>ENCINITAS</b> 750 First St. 619/436-2062	<b>EL CAJON</b> 435 N. Marshall Ave. 619/440-4703	<b>RANCHO CUCAMONGA</b> 9546 Commerce Center Dr. 714/980-5353





# THE FRONT OFFICE

## OPINION PAGE

### RECOGNITION LEADS TO INSPIRATION



**W**e start off each year at Golf & sportsTURF by recognizing individuals who have raised standards of safety and quality in the turf industry. In January, we feature our Man of the Year. Then, in March, we begin a three-part series on the winners of the Baseball Diamond of the Year Awards. This year we encourage you to participate in both award programs.

The purpose of the Man of the Year Award is to honor one exceptional person who has had the vision and the dedication to make a major contribution to your profession. Think about those people who have

impacted your life's work. Select one individual who stands out in your mind and write, call, or fax his or her name to me before the end of this month. Your opinions are very important in the selection of the winner.

If you manage baseball fields, you may qualify for one of the three Baseball Diamond of the Year Awards. The condition of a baseball field is a major factor in the pride and performance of teams playing on it. Too often, the person responsible for field conditions is overlooked. That's where the Baseball Diamond of the Year Awards come in.

Golf & sportsTURF, Partac Peat Corporation, and the Sports Turf Managers Association jointly sponsor the contest. Head groundskeepers from each division of Major League Baseball select the winners. They choose one winner for each of three categories: park and municipal, college and university, and professional (major or minor league).

There is no particular set of standards you need to meet. The judges base their selections on the type of diamond you provide under your particular circumstances. They take into consideration your effort, resources, and field use, in addition to the impact your field has had on the community, school, or team.

Photographs and a well-written description of your facility, maintenance program, and accomplishments are important to the judges. You will find the entry information on page 11 of this issue. You have until the end of November to send in your completed entry.

The greatest pleasure in winning the Baseball Diamond of the Year Award is not the attention it brings to you and your facility. Instead, it is the inspiration you give others. I strongly urge you to share your success with others by entering the contest.

Finally, on a sad note, I am sorry to report that the sports turf industry lost a great leader this past month. Harry "Dad" Gill, our 1990 Man of the Year, lost a battle with heart disease just weeks before retirement. The way I received the news about Harry's death was a reflection of his contributions.

David Mellor, one of Gill's assistant groundskeepers at Milwaukee County Stadium, called me within hours of Harry's passing. Mellor is part of Gill's extended family. From an early age, he had the desire to be a professional groundskeeper. As a student at Ohio State University, Mellor sought specialized training in sports turf management. OSU's Dr. John Street contacted Gill for his recommendations on how to mold Mellor into an effective candidate for a position as a stadium groundskeeper.

Harry took David under his wing, placed him on the Brewers' grounds crew during summer breaks, and created what I consider to be the perfectly-trained aspiring head groundskeeper. He has a precise combination of education and on-the-job experience. Mellor is a model for all individuals hoping to manage fields in the big leagues.

The ideals set forth by Harry Gill live on in David Mellor and thousands of others in the sports turf industry who now follow in his footsteps. Not many people accomplish so much in a lifetime. He will be missed.

*Bruce F. Shank*

# EVENTS

## CALENDAR

### DECEMBER

**3-6** New Jersey Turfgrass Expo '90, Trump Taj Mahal, Atlantic City, NJ. Contact: Dr. Henry Indyk, Crop Science Dept., P.O. Box 231, Cook College, New Brunswick, NJ 08903, (201) 932-9453.

**4-5** Southern Grounds & Turf Maintenance Exhibition, Myrtle Beach Convention Center, Myrtle Beach, SC. Contact: South Carolina State Board for Technical Education, 111 Executive Center Dr., Columbia, SC 29210, (803) 737-9356.

**4-6** North Central Turfgrass Exposition, Ramada Renaissance Hotel and Prairie Convention Center, Springfield, IL. Contact: Illinois Turfgrass Foundation, (312) 644-0828.

**4-5** Rocky Mountain Turf Conference, Holiday Inn Denver I-70 East, Denver, CO. Contact: Rocky Mountain Regional Turfgrass Association, P.O. Box 903, Parker, CO 80134, (303) 688-2268.

**10-13** Ohio Turfgrass Conference and Show, Cincinnati Convention Center, Cincinnati, OH. Contact: John R. Street, Ohio Turfgrass Foundation, 2021 Coffey Rd., Columbus, OH 43210, (614) 292-2601.

**12-14** Pacific Coast Turf & Landscape Conference, Washington State Convention and Trade Center, Seattle, WA. Contact: Jones and Assoc., (509) 327-5904.

**13-16** Georgia Turfgrass Conference and Trade Show, Hyatt Airport Hotel, Atlanta, GA. Contact: Karen Lavender, (912) 681-5189.

### JANUARY

**7-9** Maryland Turfgrass '91, Baltimore Convention Center and Festival Hall, Baltimore, MD. Contact: Stephen Potter, Woodholme Country Club, 300 Woodholme Ave., Pikesville, MD 21208, (301) 486-8280.

**7-9** 25th Annual Tennessee Turfgrass Association Conference, Holiday Inn World's Fair and Knoxville Convention Center, Knoxville, TN. Contact: Donnie Callis, 533 Hagan St., Nashville, TN 37203, (615) 242-4600.

**7-11** Golf Course Maintenance Short Course, Columbus, OH. Contact: Dept. of Agron., Ohio State University, 2021 Coffey Rd., Columbus, OH 43216.

Send announcements on your events two months in advance to editor, Golf & SportsTURF, P.O. Box 8420, Van Nuys, CA 91409. Fax: (818) 781-8517.



# **AFFORDABLE**

**SUPERABSORBENT TECHNOLOGY HAS FINALLY ARRIVED**

## **INTRODUCING**

# **STOCKOSORB®**

By  Stockhausen

The **STOCKOSORB 300** series superabsorbents are 100% Potassium polyacrylate/polyacrylamide copolymers formulated specifically for agricultural and horticultural applications.

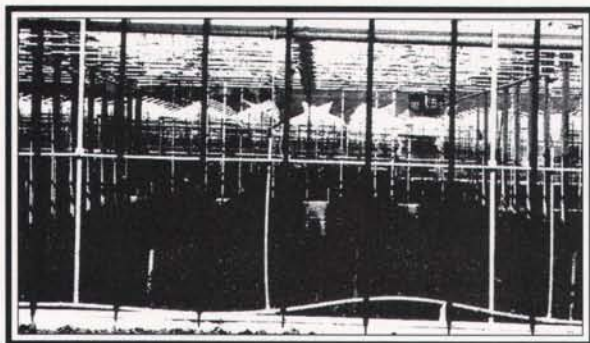


**Reduces total water consumption  
Eliminates transplant shock  
Reduces leaching of nutrients**

**Enhances turf  
Reduces growing time  
Reduces moisture stress**



**Improves plant yields  
Produces aeration in soil  
Retains moisture**



## **STOCKOSORB®**

**Superabsorbent Polymers-  
A contribution to modern  
agriculture and horticulture.  
AFFORDABLE AND EASY TO USE!**



**STOCKHAUSEN, Inc. 2408 Doyle St. Greensboro, N.C. 27406 1-800-334-0242**  
**Call for the nearest Stockhausen distributor**

Circle 211 on Postage Free Card



# The Original... And Still The Best



Make off-colored grass as green as early summer grass with Tru-Green Grass Paint. Tru-Green is easy to use and perfect for troublesome areas on athletic fields, golf courses and lawns.

Tru-Green is the patented, water soluble grass paint specially formulated for use with conventional liquid sprayers. Tru-Green, the low cost, low maintenance way to make dormant, sparse or drought damaged grass green again.



Home of RegalStar™

**REGAL CHEMICAL COMPANY**  
P.O. Box 900 • Alpharetta, GA 30201  
Phone: 404-475-4837  
Toll Free: 1-800-621-5208

Circle 208 on Postage Free Card

## HARRY GILL

Harry Gill, founder of the Sports Turf Managers Association and head groundskeeper for the Milwaukee Brewers, died at his home on October 25. The highly respected, 69-year-old Gill planned to retire on November 1 and serve as a consultant for the Brewers. In January, he was honored as Man Of The Year by Golf & sports-TURF.

Gabe Paul Jr., the Brewers' vice president of operations, hired Gill in 1975 to improve conditions at Milwaukee County Stadium. The stadium's playing field had been considered one of the worst in baseball. During the 1974 winter meetings, baseball players gave the stadium the "Booby Prize." Under Gill's care, it became recognized as one of baseball's better fields. Due to its excellent condition, the field was used for filming the motion picture "Major League" in 1989. Gill also managed the field for the Green Bay Packers.

In transforming Milwaukee County Stadium, the former golf course superintendent contacted other stadium groundskeepers and university turf specialists to discover the tricks of maintaining stadium playing surfaces, not just for baseball and football, but for concerts and other special events.

Among his closest advisors were Dick Ericson with the Minnesota Twins, Joe Mooney with the Boston Red Sox, Barney Barron at San Francisco's Candlestick Park, Pat Santarone with the Baltimore Orioles, Don Marshall at Anaheim Stadium, Dale Sandin at Miami's Orange Bowl, George Toma with the Kansas City Royals, and Roger Bossard at Chicago's Comiskey Park. Gill spent hours on the phone with fellow groundskeepers, learning old techniques and developing new ones.

"There were no standards to follow back then, just vague guidelines," recalls Ericson. "If your team won on the road and lost at home, the coaches and players put a lot of heat on you. Groundskeepers used tricks to give their teams the advantage. Harry thought everyone should know what those tricks were, to make the game fair for the groundskeeper as well as his team."

Gill was instrumental in convincing Dr. William Daniel at Purdue University to offer sports turf management sessions during the Midwest Turf Conference. He also succeeded in persuading leading groundskeepers to speak at the conference. Attendance at the sessions demonstrated a

groundskeepers at stadiums, colleges, high schools, and parks.

The demand for information was not satisfied by one conference a year. Gill and his peers were constantly answering questions from groundskeepers over the phone. One Christmas, he polled his friends regarding the creation of an association for sports turf managers. They responded unanimously in favor of such a group, and the Sports Turf Managers Association was formed in 1981.



Gill spent the last few years building a new spring training center for the Brewers in Chandler, AZ, and preparing for a proposed new stadium for the club in Milwaukee.

Throughout his career he generously gave of his time and guidance to students seeking to become sports turf managers. In recognition of Gill's contributions to education, the STMA established a scholarship fund in his name. Those wishing to make gifts in his memory have been asked to make them to the Harry Gill Turf Scholarship.

Gill is survived by his wife, Mary, and six children.

"Harry was loyal to his friends and organization," said Bud Selig, chief executive officer of the Brewers, during the eulogy at the funeral attended by more than 200 people.

"Dad got the ball rolling for everyone in the sports turf industry," stated longtime friend Mike Schiller. "It's now up to us to keep his dream alive."