

# Hunter Industries' publications deal with saving water

Water perhaps is Topic A among golf course superintendents. Two recent publications by Hunter Industries, San Marcos, Calif., treat that valued commodity in detail.

Hunter Industries has released a 48-page equipment catalog dealing with sprinklers designed for golf courses, sports fields, public areas, residential and commercial applications.

Performance charts with water distribution data are supplied for each Hunter sprinkler, along with information on installation and adjustment, replacement charts, bidding specifications and matched precipitation rates.

"The Case For Reclaimed Water" is an informative brochure which discusses the use of reclaimed water in landscape irrigation systems.

The brochure notes: "Few issues are as important and critical as the availability of water in many of the fastest-growing areas of the nation. In states such as California, Arizona and Florida, use of reclaimed water increases daily.

"Reclaimed water treated to the highest degree, called 'tertiary treatment,' may be used for virtually any purpose except drinking. Reclaimed water frequently is used to irrigate golf courses, parks,

schoolyards, athletic fields, freeway landscaping, residential common areas and greenbelts, and all types of agriculture.

"In parts of Arizona, permits will not be issued to build golf courses unless project plans specify reclaimed water for irrigation. In Irvine, Calif., residents have no choice. The water district delivers either potable or reclaimed water based on use.

"In Cape Coral, Fla., where water is pumped from wells, and salt water has depleted groundwater ba-

sins, there now is a dual-piping system which will carry reclaimed water to residences for landscape irrigation.

"Public acceptance of reclaimed water utilization has come a long way.

"In 1980, a public opinion poll suggested that few backed widespread use of reclaimed water. Now, with increasing concern over water shortages and greater confidence in wastewater treatment processes, 90 percent of those polled recently had no objections to use of this

product.

"Reclaimed water is helping to conserve our most precious natural resource."

\*\*\*\*\*

Hunter Industries has also released a new illustrated poster depicting historical developments in irrigation.

The four-color poster documents milestones in irrigation history, including water delivery devices and systems for agriculture, landscaping and other public uses.

Primitive, singular efforts and massive engineering feats, such as ancient Roman aqueducts and Persian ganats (underground water tunnels) are illustrated. Many of the ingenious devices and methods still are used.

Illustrated by Texas artist Mark Weakley, the 25" x 38" poster is free to irrigation professionals, educational facilities and students. Call or write Hunter Industries, Communications Department, 1940 Diamond Street, San Marcos, Calif. 92069. (619) 744-5240.

## New book traces irrigation's history

ARLINGTON, Va.—"History of Irrigation," reportedly the first fully-illustrated, historical analysis of irrigation in the United States, is being produced by Windsor Publications, Inc., in cooperation with the Irrigation Association (IA).

IA historian Bob Morgan's volume chronicles the role of irrigation and water use in America's agricultural and landscape development, and reveals interesting facts and photographs from this diverse industry.

Focus not only is on historical events, but on the growth and contribution made by the industry business and organizations.

The "History of Irrigation" is fascinating and popular reading of an age-old practice that touches many lives.

## Jacobsen releases equipment guide

RACINE, Wis. — Jacobsen has released its new equipment directory, containing descriptions and specifications on the full line of Jacobsen professional products.

The 64-page catalog includes information on the company's new utility trucks, and the Aero King line of aerators. In addition, there is information on Turfcats outfront riding mowers, the Greens King IV and LF-100 greens and fairway mowers.

The catalog may be obtained by writing the company at 1721 Packard Ave., Racine, Wis., 53403.



Photo courtesy of Nat Binns, golf course superintendent, Lakewood Country Club, Rockville, Maryland. (unretouched photo)

Actual side-by-side comparisons prove . . .

**TerraShield® is your best protection against costly winter kill damage.**

Warren's TerraShield also helps stimulate healthy root growth and get spring green-up started sooner so your course is ready for play weeks earlier.

**Best for winter protection . . .** TerraShield gives you up to 3 times more blanket material than thin plastic films, light-weight fabrics or sheets of material resembling rows of ribbons sewn loosely together.

**Best for wind protection . . .** because it's a non-woven polyester blanket and not a film or sheet, TerraShield does a superior job protecting against desiccation kill by keeping cold, dry, winter winds away from grass crowns.

**Best for extra strength . . .** because it's 100% polyester continuous filament needlepunched fabric, TerraShield resists ballooning and fights ripping and tearing that can destroy thin films, sheets, or lighter-weight fabrics. (And, there is no need for crosswires to keep TerraShield in place in very high winds.)

**Best for healthy turf . . .** because it 'breathes', TerraShield lets oxygen, carbon dioxide, and water vapor pass through freely and easily. It also helps retain needed soil moisture.

**You can have TerraShield Greens Blankets ready for your course in plenty of time for installation this fall if you act now.**

To order, just phone  
Davenport Seed Corporation  
at 1 800 828-8873

**DAVENPORT SEED CORPORATION**

1404 Fourth Street, Davenport, Washington 99122-0187

A Subsidiary of

**Warren's®**  
Turf Professionals



## Book features Hawaii's best

SAN FRANCISCO— "Golf Courses of Hawaii," by Tom Ramsey explores virtually every great course on Hawaii's six major islands. Forty layouts are featured, with course maps, descriptions and full-color photography by John Knight.

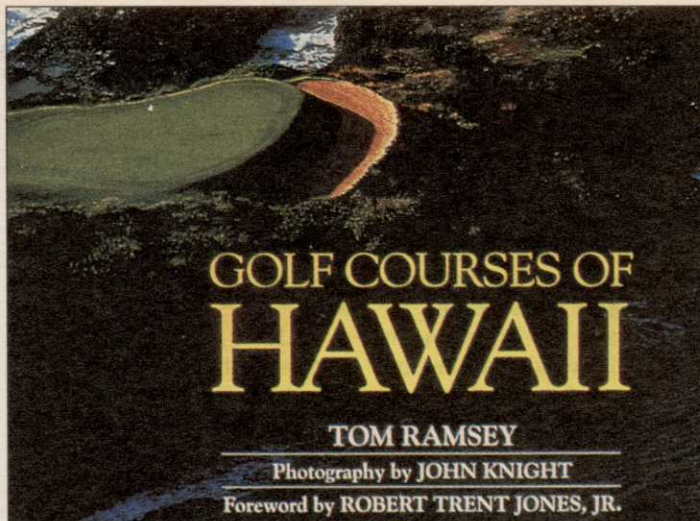
The book, 208 pages with 300 full-color photographs, highlights the wonders and challenges of the fabulous 17th hole at Mauna Lani, surrounded by lava beds; the Jack Nicklaus-designed Kiele course in Maui; Oahu's new Ko Olina with its gently rolling hills, valleys and waterfalls; the Waialea, home of the Ha-

waiian Open; Kaluakoi on Molokai, one of golf's best-kept secrets; and Mauna Kea, where golfers must carry 210 yards of windy Pacific space to set up par or birdie on the third hole.

The guide touches on the history, design features and visual splendors of each course, and includes a comprehensive course directory with the addresses of all Hawaii courses, their size and par ratings.

Robert Trent Jones Jr. wrote the foreword. Price is \$39.95.

Contact Collins Publishers, 50 Osgood Place, San Francisco, Calif. 94133 or call 415-788-4111.



Tom Ramsey's new book

## Convenient directory lists Calif. courses

MERCED, Calif. — Kirk's Directory of California Golf, easily stored in a briefcase or golf bag, lists more than 600 of California's finest golf courses.

The listing includes such course information as green fees, yardage, difficulty ratings, phone numbers, address, kind of facility (i.e. resort, public, private, military, semi-public and private reciprocal play).

On the accompanying page is a four-color highway map with locating borders. This provides the traveling golfer with a quick look at the golf courses located around his or her destination.

California is divided into 14 color-coded sections, referencing back into a central index.

Recommended lodging facilities are listed under certain courses, along with rates.

Kirk M. Mills is the author, Mills and Associates the publisher. Price is \$11.95.

Contact Mills & Associates, 221 E. 2nd St., Merced, Calif. 95340 or call 209-722-3306.

## NGF catalog lists 300 publications

JUPITER, Fla. — The National Golf Foundation's fall-winter catalog includes nearly 300 publications on virtually every aspect of the golf business.

New is a section devoted to golf and the environment. Other featured topics include facility development and operations, golf market research and rules and instruction.

For a free copy, write National Golf Foundation at 1150 South U.S. Hwy. One, Jupiter, Fla. 33477 or call 800-733-6006.

## Video documents golf's contribution

LAWRENCE, Kan. — "Links with Nature: Golf Courses and the Environment," a 14-minute video produced by the Golf Course Superintendents Association of America, documents the positive ecological impacts of golf courses.

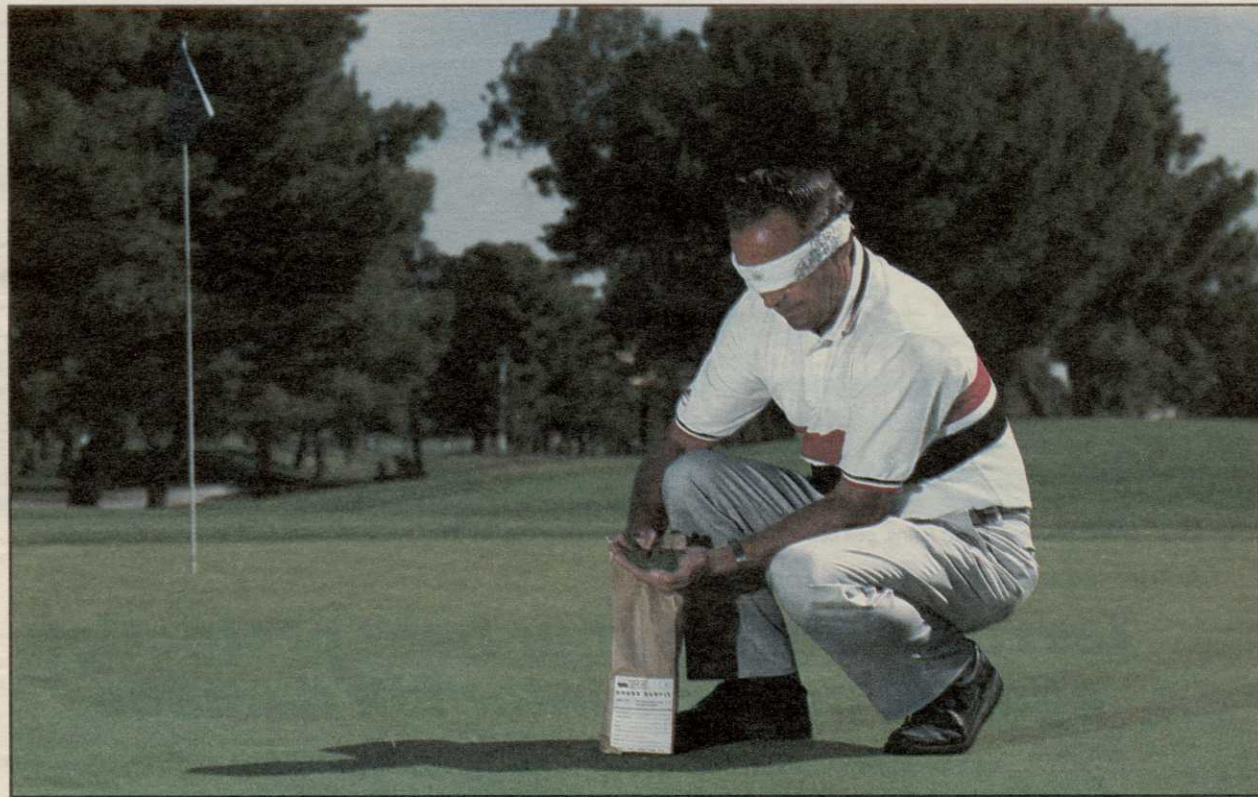
"It will help the golf industry respond to misconceptions about golf courses and how they're managed," according to John M. Schilling, GCSAA executive director.

"Links With Nature" highlights benefits often overlooked and cites independent research findings that allay public concerns. The video discusses how golf courses can provide direct benefits for soil, water, air and wildlife. Outlined is the role golf course superintendents play in managing property responsibly.

Copies of GCSAA's new Greentips fact sheet series also may be ordered with the tape.

The videotape is \$20 for GCSAA members, \$30 for non-members. To order call 913-832-4480.

# Are You Still Guessing About Your Turf Nutrient Levels ?



## Take the guesswork out of nutrient applications. Talk to a Karsten Turf Representative

A Karsten Turf Representative will show you what it means to take the guesswork out of the nutrient levels in your turf. Armed with the latest technology in turfgrass tissue analysis, the TURF ANSER model 491 Scanner is a powerful tool which provides critical tissue analysis of 11 essential elements for turfgrass growth and development. When used in a regular turfgrass



monitoring program, nutrient levels can be tracked as they change within the plant tissue.

This data provides the golf course superintendent with critical information essential to fertilization applications and the detection of stress indicators.

The TURF ANSER 491 model Scanner is designed for on-site tissue analysis use and will

store & display nutrient levels in a clear and concise format.

If you would like to know more about **Turfgrass Tissue Analysis**, call: 1-800-KARSTEN EXT. 5598

KARSTEN TURF, INC.  
P. O. Box 82726 • Phoenix, AZ. 85071  
A Division of  
Karsten Manufacturing Corporation  
Makers of PING® Golf Equipment  
Phone 602-870-5598  
FAX 602-997-6254



**KARSTEN TURF INC.**  
Turfgrass Technology