

WHATEVER THE JOB...

Miller has a team of irrigation specialists to perform it . . . Expertly! Where ability and reliability count most in sprinkler irrigation systems . . . that's where you will find the Miller team. Miller has four groups of specialists that embody a total capability in the field of sprinkler irrigation . . . In short . . . the works!

THE TURF SUPPLY DIVISION, Sprinkler Irrigation Supply Company, is well known in the industry as Sisco. It is a veritable super market for sprinkler irrigation supplies . . . Top quality products manufactured by leaders in the industry. Sisco and its dealers stock a broad range of these products because they know that one system can't solve all problems.

THE CONTRACTING DIVISION, Miller Sprinkling Systems, is unique in this industry. Each important phase of an installation is handled by specialists with years of experience . . . backed up by the most extensive line of specialized irrigation installation equipment known in the industry.

THE AGRICULTURAL DIVISION of Sprinkler Irrigation Supply Company sells, services and installs aluminum portable pipeline systems and mechanical move sprinklers.

THE DESIGN DIVISION, Irrigation Design Associates, brings 40 plus years of experience to bear on design problems and tailors irrigation systems to customer needs.

THE RESULT: Irrigation systems engineered and guaranteed to give you the best possible water distribution, with maximum dependability and minimum operating expense.

Contact Miller today and find out what sprinkler irrigation can do for you!

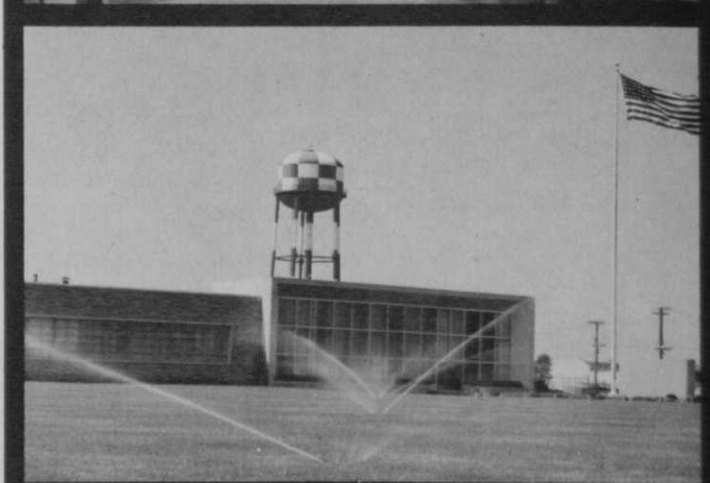


Sprinkler Irrigation Supply Co.
(313) 548-7272
Miller Sprinkling Systems
(313) 398-2233
Agricultural Division
(313) 548-7272
Irrigation Design Associates
(313) 398-2233

Turf Irrigation: Golf Courses, Industrial, Commercial, Civic, Residential
Agricultural Irrigation: Food Production, Frost Protection, Sod Production
Waste Disposal: Food, Industrial, Sanitary Waste Processing
Portable Pipelines: Dewatering, Temporary Water Lines

Buckner

We install and supply
Buckner and Johns-Manville materials



Now you can
effectively control

MOSQUITOES

and other
flying and
crawling insects
around your club-
house and inside



WITH **HUB STATES**
ECONOMICAL

MALATHION

FOGGING CONCENTRATE

Hub States MALATHION FOGGING CONCENTRATE is unequalled for effectiveness in killing mosquitoes, flies, fleas, gnats, chiggers, mites, moths, wasps, hornets, ROACHES of all species (even resistant strains), ants, silverfish, beetles, spiders, crickets, and other insects . . . yet it is safe for use around foods, facilities, plants and animals. Low in cost. Just mix 1 gallon of Hub States MALATHION Fogging Concentrate with 25 gallons of No. 2 fuel oil. Leaves no stains; low odor.

1 gal. can. . . \$12.90 per gal.
5-gal. pail. . . 11.93 per gal.

For Quick, Complete Coverage



A powerful professional fogger that's small enough to put in a car trunk and easy to carry. Blankets thousands of cubic feet of area in minutes with a fine dry fog. Billions of microscopic droplets of lethal Malathion insecticide penetrate into every crack and crevice in a building, killing even the hiding insects. Output up to 7½ gallons per hour. Can be adjusted from a fine to a coarse fog. No special training required to operate it. \$372.00.



HUB STATES
Chemical & Equipment Corp.
2002 N. Illinois St.
Indianapolis, Ind. 46202

MAIL YOUR ORDER NOW

Send me.....
Firm.....
Address.....
City..... State.....
Signed..... Title.....

For more information circle number 142 on card

GCSAA

Continued from page 49

a rather frightening increase.

However, Myers concluded that, on the whole, he had faith in the ingenuity of the human race to out-run the Malthusian doctrine for many more generations to come.

Warren A. Bidwell, superintendent, Philadelphia (Pa.) CC, then went into the area of public relations as regards the superintendent. He said that just as the front door of a man's home is the symbol of his hospitality, so the appearance of the club, and the clubhouse grounds should be made attractive enough to give a "welcome" feeling to all who drive onto the club property.

"The effects of temperature and light on vegetative growth" was the topic of the next speaker, Victor B. Youngner, associate professor of agronomy, U. of California.

S.J. Richards, professor of soil physics, U. of California, discussed water usage, and in particular the use of soil water sensors as a guide in irrigation management. He cited the good performance of an automatic irrigation system equipped with a tensiometer-type hydrostat compared with a manually set system in an experiment conducted on the campus of the U. of California in 1961. He also discussed another demonstration when model green profiles—one built to USGA specs, the other the same except it had a 24-inch layer of fine sand between the planting mix and the coarse sand and gravel layers—were compared to determine water storage properties by means of tensiometers located at two and ten-inch depths.

Root competition between trees and turf was the topic of the next speaker, Carl E. Whitcomb, research associate, Department of Ornamental Horticulture, U. of Florida. Whitcomb pointed out the results of an experiment conducted at Iowa U. last year.

Because of the differences in root response, shallow or surface rooted trees such as silver maple, sweet gum, cottonwood, willow, Australian-pine and others should not be planted near greens or tees. Although these trees are affected

Continued on page 84

If you desire your orders filled promptly, then send it to the house of SERVICE

HORNUNG'S
PRO GOLF SALES, INC.
FOND DU LAC, WISCONSIN

Serving GOLF PROFESSIONALS
since 1935

For more information circle number 258 on card

LIQUID-LUSTRE GOLF BALL WASH
Costs as little as 2c per washer per week

- Keeps golf balls SPARKLING WHITE . . . Golfers satisfied!
- Perfectly safe for washers . . . either hard or soft water!
- Will Not cause RUSTING!
- No unpleasant odor—Ever!
- Used at fine golf courses from coast to coast!

Also Try
Aero-San
Shoe
Deodorizer
and Sanitizer
Another fine
DBA Product



ORDER YOUR SUPPLY TODAY!
Per Single gallon \$4.95
Order from your dealer or direct from DBA and give dealer's name.

DBA PRODUCTS CO., INC.
Lake Bluff, Ill. 60044

For more information circle number 187 on card

TAT

GOLF COURSE SIGNS

Extremely smart looking signs
with self fastening stakes.

Signs 50c & 75c
Stakes 25c & 30c

Shipped in 24 hours
Write for Free Brochure

TAT GOLF SIGNS
BOX 1, DUNEDIN, FLORIDA 33528

For more information circle number 236 on card

GOLF

NATION-WIDE DISTRIBUTORS
FOR OVER 30 YEARS

OF

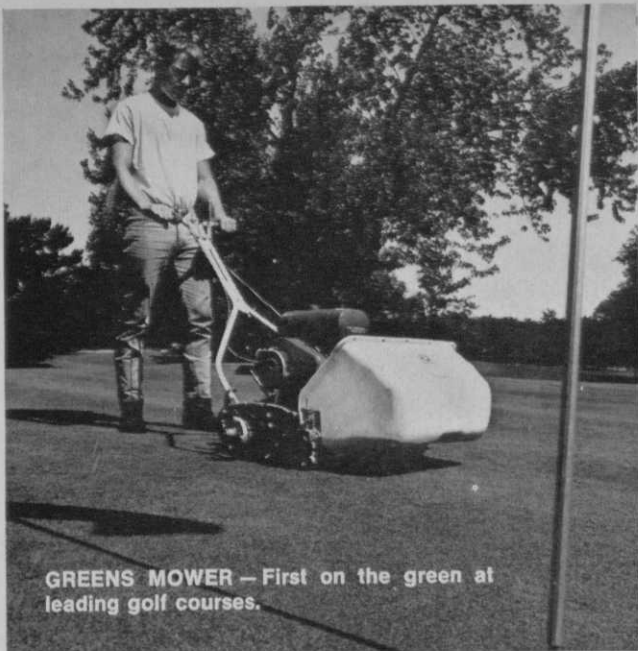
GOLF SHOP-DRIVING RANGE
PAR 3 & MINIATURE COURSE
SUPPLIES

SEND FOR CATALOG:

**NORTHERN
GOLF BALL CO.**

2350 W. ROSCOE ST.
CHICAGO, ILLINOIS 60618

For more information circle number 237 on card



GREENS MOWER — First on the green at leading golf courses.



TURF KING — Constant speed high-frequency reel for smoother mowing — variable ground speeds. Available 76" or 84" cutting widths.



E-10 TRACTOR — Look ahead to out-front mowing! Mow before tractor wheels mat grass down. Stable and safe on side-hill mowing.



PARK 30 — Powerful and rugged ... cuts 30" swath. Optional 10-blade reel gives smooth, high frequency cut for fine tee mowing.

JACOBSEN...Turf equipment with a tradition for toughness

Precision cutting that provides a smooth, well groomed turf is a Jacobsen tradition. We've learned many ways to help cut labor and equipment maintenance costs. For information or a demonstration, phone your Jacobsen Turf Equipment Distributor or write today.

Jacobsen Manufacturing Company
Racine, Wisconsin 53403

"1st in Service"

JACOBSEN

For more information circle number 200 on card

SUPER SECUR COMFORT STATIONS

MAKE BUSHES OBSOLETE

Maintenance is practically obsolete, too! Super Secur Comfort Stations are constructed of durable galvanized steel, with unbreakable cast aluminum fixtures for long lasting, maintenance-free operation.

A truly rugged building for a golf course, park, playground, or any area where heavy use or vandalism is a problem. Feel secure, buy Super Secur!



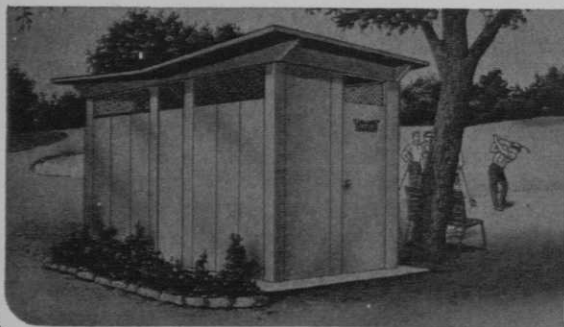
Choose from standard model comfort stations, concession stands, or storage buildings.

**VANDAL
PROOF!**

Write for free catalog today.

**SUPER SECUR
COMFORT STATIONS**

778 Burlway Road
Burlingame, Ca. 94010



For more information circle number 189 on card

WORLD'S MOST DESIRABLE IRRIGATION SYSTEMS

ARE DESIGNED BY

Larchmont

AUTOMATIC GOLF COURSE IRRIGATION

CONSULTANTS
DESIGNERS
INSTALLERS

For permanent
underground
irrigation systems
we use

Johns-Manville

TRANSITE

Asbestos-Covered

IRRIGATION PIPE



For more information circle number 205 on card

GCSAA

Continued from page 82

more by turf competition when planted, if they survive, they will eventually create severe root problems due to root proliferation in these intensive maintenance areas, making them "hard" and difficult to maintain.

The next talk posed the question: Is your swimming pool an asset or a liability? In the chair was J. Henry Mohr, president, Nor-Cal Engineering Company, Redwood City, Calif., representing the National Swimming Pool Institute. Mohr told how the institute, a 1,300 company-strong trade association, has two excellent manuals available entitled "Swimming pool operations manual" and "A swimming pool engineering manual." However, he emphasized that the main thrust of the association's educational program was to convince managers that the swimming pool is a valuable physical asset and deserves responsible and knowledgeable handling.

With the growing practice for a golf club to have a tennis club membership, the problems of court maintenance are becoming of increasing importance to the superintendent. Dennis Van der Meer, tennis pro at the Berkeley Tennis Club, Calif., talked about this to the assembled greensmasters.

Many clubs in Canada and the northern parts of the U.S. have long recognized the need for year-round operations. Establishing curling facilities have enabled them to make this transition, said David Gourlay, superintendent, Thornhill CC, Ont. Can., in his talk on this ancient sport.

Where does the superintendent fit into this new operation? In many cases, he will be asked to increase his responsibilities by supervising the ice making and maintenance operations.

Gourley concluded by citing the governing body of the game, the United States Curling Association, as being a prime source of information to a club desirous of starting a curling program. There are also professional curling consultants and help from the ice-making industry.

"Recognizing turfgrass diseases" was the subject of the next talk, by

Continued on page 86



**LARCHMONT
ENGINEERING**

Lexington, Massachusetts
02173

Members A.S.A.E.-S.I.A.

surfaces will assure maintaining the "image" of the club and appearing as a part of the over-all complex.

The effect of the color on the merchandise should also be considered at the same time. In selecting the wall color, for instance, a color that enhances the appearance of the merchandise is essential.

As a rule of thumb, browns, tans, and blues generally are used to achieve the masculine or outdoor look. Judicious use of sharp colors (red, yellow, turquoise) for accent purposes will add some snap to the appearance.

As the number of women buying in pro shops increases, more pros are establishing women's departments. To display properly that type of merchandise, feminine colors (pink, yellow, orange) will be more appropriate.

It might be well to state here that though the above are normally considered best-suited for the purposes mentioned, fashion is an ever-changing thing. If the colors of the merchandise are not compatible with the colors suggested, then the merchandise must get first consideration—not the rule.

Correct use of color is somewhat like knowing that the sand wedge should be ordinarily used for

trap shots. There are times when the putter is the better club for the shot, but, just as extreme care is required when the putter is used, so extra care is needed when one expects to depart from the usual in color.

We've discussed the selection of background (floor, ceiling, walls) colors for the merchandise presentation. The selection of fixture colors and decorative color accents can add the sparkle and interest essential to the smart looking shop. However, it should always be borne in mind that the appearance of the merchandise is the main object of our efforts. Every color selected—whether for background, fixtures, or decoration—should contribute to enhancing the appearance of that merchandise. It can safely be assumed that an attractive looking shop will follow.

It is rather easy in this new era of color in merchandise to achieve dramatic looking displays. The new colors and the ease with which they can be used together, has simplified the selection of colors to achieve good results. These are a few points that should be borne in mind.

All displays in the shop should be emphasizing the same color or combination of colors at the same time. This will help to achieve a visual impact that can otherwise be lost. Also, the use of one dominant color is effective. □



Controls more of the problem weeds and grasses found in established turf, golf course greens and fairways...with greater safety...than any other selective herbicide on the market today!



Fumigates soil completely for renovation or establishment of turf...controls soil-borne pests...promotes thick, vigorous turf growth by controlling weeds, germinating weed seed, soil fungi and nematodes.

For your supply of BETASAN® selective herbicide and VAPAM® soil fumigant, contact your distributor. Ask him for complete details or write to Stauffer Chemical Company, Agricultural Chemical Division, Dept. HD, 299 Park Avenue, New York, New York 10017.



STAUFFER CHEMICALS...at work everywhere

For more information circle number 268 on card

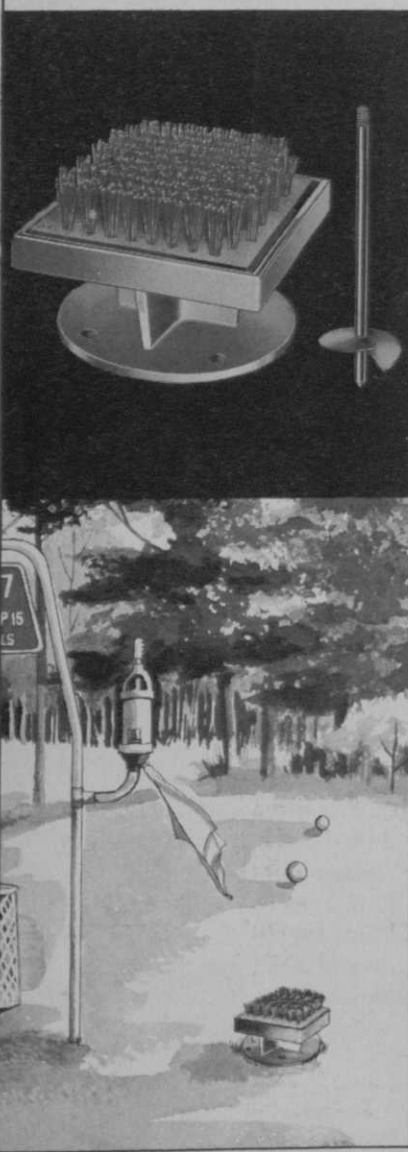
*Bolt it Down
or Anchor it in
the Ground*

STANDARD'S NEW SPIKE KLEENER

Rustproof cast aluminum base (notice the easy-to-clean design) can be bolted to a deck; or, using the turf-auger, it can be firmly anchored to the ground . . . set anywhere you want, moved when you want. Makes it practical to install on tees! Replaceable brush is of super-stiff, long-wearing bristles deeply imbedded in a solid plastic plate.



STANDARD MFG. CO.
Cedar Falls, Iowa 50613



For more information circle number 277 on card

GCSAA

Continued from page 84

Stan Frederiksen, manager, Turf Products Division, Mallinckrodt Chemical Works, St. Louis, Miss., and John L. Weihing, professor, Agricultural Extension Department of Plant Pathology, U. of Nebraska. The speakers emphasized that accurate turf disease identification sometimes isn't easy. Often, the complete facts may be difficult to get, especially when turf plugs are being dealt with, after being subjected to varying conditions during lengthy travel periods. Under any condition, there may be an honest difference of opinion as to which of two organisms is doing the damage—and perhaps one or both are.

The speakers recommended that the superintendent stock his library with good books on turf diseases. Dr. Malcolm Shurtleff's "How to control plant diseases" is excellent. They also recommended Dr. Houston Couch's fine new book "Diseases of turfgrass."

John P. Dunlap, superintendent, Oakwood CC, Cleveland, Ohio, gave a talk on proper chemical application. He said that in the last few years, superintendents have had to become more efficient because of rising labor costs. However, don't be trapped into thinking that the easiest and quickest method is always the best way. Quality of chemical application must always be maintained.

Dunlap then discussed the equipment and methods he uses at his club. For greens and tees, he now uses a turf truckster, fitted with a boom for spraying and a rotary spreader for dry chemicals. His old method of spraying took five to six hours to spray 18 greens, while with the new method all 18 greens can be finished in just two hours.

Labor savings on green fertilizing are just as impressive. Dunlap used to apply dry materials by means of bag type cyclone spreaders. Fertilizing the greens this way needed three men about four hours. One man and the truckster can now do this in one to one-and-a-half hours.

On fairways and roughs, Dunlap still thinks that a good 20 to 30-foot boom sprayer is the best. Wind drift is cut to a minimum and it does a good job of applying the

HERE ARE YOUR BUCKNER PROFESSIONALS

ALABAMA

McGowin-Lyons Hardware
& Supply Company
Mobile (205) HE 2-8721

ARIZONA

Keenan Pipe and Supply
Co.
Tucson (606) 792-3000
Turf Irrigation & Water
Works Supply
Phoenix (602) 276-2451

ARKANSAS

Capital Equipment Co.
Little Rock (501) FR 2-7115

CALIFORNIA

American Sprinkler &
Supply
Los Angeles (213) 223-2424
Controlled Irrigation
Fresno (209) 222-4843
Emerald Irrigation Supply
Co.
Salinas (408) 422-9026
Ewing Turf Products
San Leandro (415) 357-9530
Ewing Turf Products
Sacramento (916) 922-5618
Irrigation & Plumbing
Supply
Santa Maria (805)
WA 2-3512
Kern Turf Supply, Inc.
Bakersfield (805) FA 7-4048

COLORADO

Colorado Western
Distributing Co.
Grand Junction
(303) 242-0556
The Warner Company, Inc.
Denver (303) FL 5-7371

CONNECTICUT

Hartford Equipment
Company
Hartford (203) JA 7-1142

FLORIDA

Russell Daniel Irrigation
Co.
Hialeah (305) 888-6901
Hector Turf & Garden
Supply
Miami (305) OX 1-8800
Peninsular Supply
Company
Fort Lauderdale
(305) 524-3611
Southern Mill Creek
Products
Tampa (813) 626-2111

GEORGIA

Russell Daniel Irrigation
Co.
Athens (404) LI 6-0168

ILLINOIS

Sprinkler Irrigation Supply
Glen Ellyn (312) 469-8730

INDIANA

Sprinkler Irrigation Supply
Glen Ellyn, Ill.
(312) 469-8730

KENTUCKY

Irrigation Supply Company
Louisville (502) 585-4840

MARYLAND

Lewis W. Barton Company
Simpsonville 531-5051

MASSACHUSETTS

The Clapper Company
West Newton
(617) BI 4-7900

MICHIGAN

Sprinkler Irrigation Supply
Royal Oak (313) LI 8-7272

MINNESOTA

Milsco Engineering Inc.
Minneapolis (612) 724-3655

MISSOURI

Beckmann Distributing
Company
St. Louis (314) WY 3-4490
A. E. Robison, Inc.
Kansas City
(816) BA 1-3990

NEBRASKA

Big Bear Equipment, Inc.
Omaha (402) 393-2220

NEVADA

Arlington Nursery
Reno (702) FA 3-4463
Las Vegas Fertilizer Co.,
Inc.
North Las Vegas
(702) 649-1551

NEW JERSEY

Lewis W. Barton Company
Haddonfield
(609) HA 9-6500
Halco Chemical Company
Kenilworth (201) BR 6-3298

NEW MEXICO

Albuquerque Chemical
Company
Albuquerque
(505) 247-2321

NEW YORK

Grassland Equipment &
Irrigation
Latham (518) ST 5-5841
Halco Chemical Company
Glen Head, L. I.
(516) OR 6-2727

NORTH CAROLINA

E. J. Smith & Sons, Co.
Charlotte (702) 333-4141

OHIO

Sprinkler Irrigation Supply
Covington (513) 473-7567

OKLAHOMA

Southwest Irrigation
Company
Tulsa (918) NA 7-7272

OREGON

United Pipe & Supply Co.
Eugene (503) 688-6511
United Pipe & Supply Co.
Portland (503) 281-0058

TENNESSEE

Ernest Hardison Seed Co.
Nashville (615) AL 6-2659
Uticor Co., Inc.
Memphis (901) 391-9093

TEXAS

Goldthwaite's of Texas,
Inc.
Dallas, Fort Worth,
Houston, San Antonio
Momsen, Dunnegan, Ryan
El Paso (915) 533-1621

UTAH

Conely Company
Salt Lake City
(801) HU 4-5208

VIRGINIA

R. P. Johnson Sons, Inc.
Wytheville (703) 228-2136

WASHINGTON

Polson Company
Seattle (206) MA 2-2891
Polson Company
Spokane (509) FA 7-9571

WEST VIRGINIA

Young Feed and Seed Co.
Charleston (304) DI 2-2104

WISCONSIN

Sprinkler Irrigation Supply
Glen Ellyn, Ill.
(312) 469-8730

CANADA

Pacific Irrigation Ltd.
Vancouver (604) 682-6132

Continued on page 88

NOBODY'S GOT A VALVE

LIKE OUR VALVE



A new achievement from Buckner engineering! Here is the industry's first all-new automatic valve which holds pressure to all sprinklers constant . . . regardless of variations in elevation . . . regardless of length of water line . . . even when inlet pressures fluctuate.

It's the Buckner 150GER Series Electric Automatic Valve With Pressure Control.

Where uniform coverage is essential, the Buckner 150GER Series helps you get the coverage for which

your sprinkler system is designed—every time you use it...day or night. And, it's available in five angle or globe sizes—1", 1 1/4", 1 1/2", 2" and 3".

But, the 150GER Valve is only one example of Buckner leadership in the industrial turf industry. Your Buckner dealer can select equipment from the broadest line of sprinklers, automatics and accessories on the market. He's a real professional when it comes to tailoring an installation to meet your exact needs.

 **Buckner®**

Buckner® Sprinkler Co. Division of General Sprinkler Corporation, P.O. Box 232, Fresno, California 93708

For more information circle number 133 on card

GCSAA

Continued from page 86

chemicals evenly and accurately. He objects to blowers because of the amount of chemical lost because of wind drift. The use of a broadjet spray head is a possibility, he said, but here again only a calm day would be suitable for its use.

The introduction of rotary fertilizer spreaders has greatly speeded up fertilizing fairways over the use of the drop type spreader, Dunlap said. Also, the rotary spreader pretty much eliminates the chances of overlapping and missing.

Harry C. Eckoff of the National Golf Foundation went into the trends in golf course development. He said that the shortage of available mortgage money at reasonable rates which has prevailed during the past two years and the increasing costs of construction are having their effect on golf facility development. New course openings for 1967 are down 8% from the 1966 figure. New construction starts are down 17%.

"Golf courses for the public"

was discussed by Richard Haskell, director of golf, City of Seattle, Washington. Haskell said that in general the pub links golfer wants a course that he can be proud of. It should be in good condition, not too hard, but one that can be made tough enough to test the expertness of the good golfer.

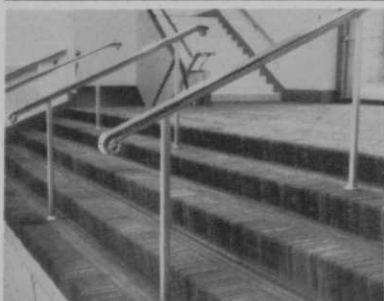
Richard A. Sincerbeau, golf course planner, Ellis, Arndt and Truesdell, Inc., Flint, Michigan, went into the question of adequate records for good control and budgeting. Records, he said, can be the basis for necessary advanced planning on past performance, as well as for day-to-day operation.

The "small engine clinic" was opened by a discussion of the problems of the manufacturers by Thomas E. Ames, manager field service, Toro Manufacturing Company, Minneapolis, Minn., Marvin T. Elstad, sales manager, Ryan Equipment Company, St. Paul, Minn., and Roger J. Thomas, sales manager, turf equipment, Jacobsen Manufacturing Company, Racine, Wisc.

Ames discussed the service customers should expect under a proper warranty program. He also stressed that customers should let the manufacturer know how his product is performing, as this information is essential to the manufacturer to help him improve the product. Elstad said that establishing a program for preventive maintenance was the most economical and efficient method of keeping the equipment running. Thomas also stressed preventive maintenance, but added that the level of maintenance was the key to the life span of equipment. An average level of maintenance will yield an average life from a piece of equipment. A high level of maintenance, a longer life.

There was then an excellent and interesting demonstration of two-cycle and four-cycle engines conducted by Kenneth Weill of Jacobsen, James B. Holsen of Kohler and B. H. Robinson, Wisconsin Motor Corporation. The session concluded with a spirited panel

Continued on page 90



**GUARANTEED THREE YEARS AGAINST ALL TRAFFIC!
HANDSOME, LASTING FLOORCOVERING
ECONOMICAL TO INSTALL—MAINTAIN**

FUTURUS GOLF CLUB CARPETILE



Check FUTURUS with ALL others:

- ☐ Absolutely SAFE and SKIDPROOF—wet or dry.
- ☐ HIGHLY RESISTANT to heavy spike shoe traffic.
- ☐ Women's spiked heels DO NOT penetrate its surface.
- ☐ NOT AFFECTED by exposure to fresh or salt water.
- ☐ EASILY INSTALLED by anyone—Cleans readily.
- ☐ Indoors or Outdoors—completely WEATHERPROOF.
- ☐ Neutral color tones BLEND with any background.
- ☐ STAIRWAYS—Safest, Most Durable of All.

Made from selected nylon cord heavy duty tires—buffed to chenille-like finish. Strips $\frac{3}{8}$ " thick are bound to glasscloth impervious to moisture... then cut to 12"x12" tiles. Used successfully throughout the country for other recreational and commercial purposes.

For further information, prices—and USER-PROOF of FUTURUS Carpetile service satisfaction—write:

FUTURUS, INC. 1076 West Ninth Street
Upland, California

U.S. Patent No. 3,352,733

For more information circle number 201 on card

GET GET

Cutting Height as Low as....

3 7/8"

Frequency of Cut as Close as..

1 1/2"

10 BLADE HIGH SPEED REEL: For the finer groomed creeping Bent in the North and the new improved fairway Bents and Bermudas in warmer climates.

EVEN DISTRIBUTION OF CLIPPINGS: With new scraper-deflector, grass clippings are evenly distributed, eliminating bunching, dropping and windrowing.

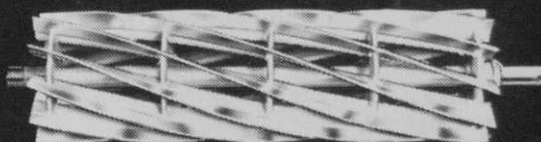
PREVENTATIVE MATTING AND THATCH CONTROL: Presents a preventative control of thatch and matting by cutting as low as 3/8 inch with a 1/2 inch frequency of cut.

ELIMINATES SCALPING ON MOUNDS: The 26 inch cutting swath of each unit gives greater flexibility. No "ribbed appearance." Smoother, more uniform cut.

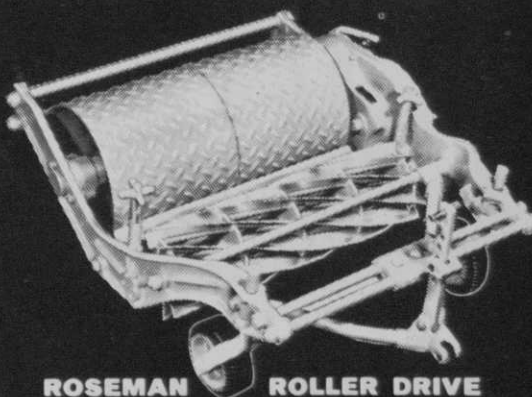
AVAILABLE in Hollow Roller or Rear Wheel Drive. 3, 5, 7 and 9 gangs.

Gives Putting Green Appearance to Fairways, Aprons and Tees!

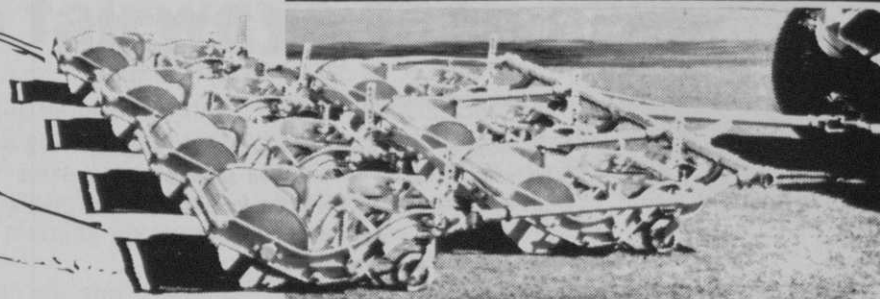
with the **NEW**
ROSEMAN
LO-CUT MOWER



ROSEMAN 7 1/2" DIAMETER REEL WITH 10 CHROME-NICKEL ALLOY STEEL BLADES



ROSEMAN ROLLER DRIVE and ROSEMAN REAR WHEEL DRIVE



ROSEMAN MOWER CORP.

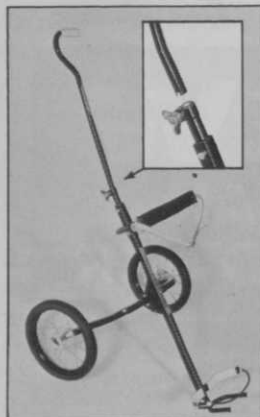
Nation-Wide Sales and Service 2300 W. LAKE AVE. • GLENVIEW, ILLINOIS

For more information circle number 154 on card



\$2995

STOWAWAY Par
folds with bag removed



STOWAWAY Rental Cart
NOW with removable handle!



STOWAWAY Ace
folds with bag

\$3295



STOWAWAY



**the carts that
keep golf a game—not a chore!**

Their featherlight response and better all-around handling on any terrain keeps golf the game it's supposed to be. You'll enjoy pulling your golf bag with a STOWAWAY—it's not work!

STOWAWAY Rental Carts are the proven rental cart to keep golf a game—ask your pro for STOWAWAY.

SPORTS INTERNATIONAL • 1020 East 8th Street • Oakland, California 94606

For more information circle number 132 on card

GCSAA

Continued from page 88

discussion by all participants.

The USGA Green Section put on a fine show in their thorough coverage of the putting green. The all-day session covered green design, construction and maintenance, including discussion of the more popular strains of grasses for putting greens and their differing requirements. Especially notable was a new USGA movie entitled "The ABC's of putting green construction." (Clubs interested in viewing this movie should write the association at 40 East 38th Street, New York, N.Y. 10016).

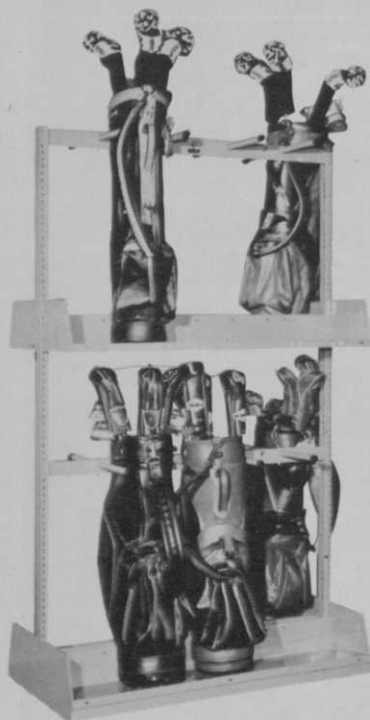
The irrigation clinic was chaired by Herman R. Johnson, GCSAA director and superintendent, Quail Creek G&CC, Oklahoma City, Okla.

Richard R. Abernethy, Telsco Industries, Weather-matic Sprinkler Division, Dallas, Texas, discussed the problem of communication between the operating superintendent and the turf irrigation industry. To bridge the gap, Abernethy presented a "Golf course irrigation system check list and planning guide" that should do much to alleviate the problem.

Don Hogan, D. A. Hogan & Associates, Engineers, Seattle, Washington, dealt with the primary decisions in the procurement process. While the "package deal"—where the material supplier or the installation contractor, or in some instances the architectural firm will furnish the entire package of design, materials, equipment and construction—is certainly an attractive method because there is a single point of responsibility, the club, nevertheless, is vulnerable. The seller is determining the amount and quality of the work and material, while the owner does not have an experienced person representing his interests. Another disadvantage is that the design and materials are customarily limited to the products of a single company.

The second method is the combination of design and materials supplied by one firm and a separate contract for installation, or the owner installs the system. While this method will generally result in the lowest direct cost for the system, there are the same disad-

Continued on page 92



WILSON scores again with vertical bag racks

The new, improved Wilson vertical golf bag racks are distinct additions to any club house. These racks save valuable space, and by providing proper ventilation, improve air circulation around the bags and throughout the area. They are easily installed and require no maintenance.

Available in either single or double tier form, their welded frame and sturdy 2' by 4' base provides essential rigidity. Sloping shelves are adjustable for maximum flexibility, and the lower shelf is removable for ease of cleaning.

Tubular rod dividers, with capped ends prevent damage to bags and allow arrangement of either 9" by 12" or 12" by 12" spaces to accommodate 20 bags.

Wood or steel panels are available to enclose ends of ranges for improved appearance, and a variety of colors provides for complete harmony with any decorative scheme.

ANDREW **WILSON** COMPANY
METAL PRODUCTS

616 ESSEX ST. / LAWRENCE, MASS. 01842