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tablishment, and maintenance of the grasses used in the various climatic areas of the United States and Canada. This will be supplemented with courses on soils and fertilizers; identification, production, and maintenance of trees, shrubs, and other horticultural material; the installation and use of irrigation and drainage equipment; principles of tractor and machinery operation and care; the keeping of business records; and elements of design and landscaping. The student also will have an opportunity to see and study the very extensive research program on turfgrass problems conducted by the Agricultural Experiment Station at the University.

The dates of the various terms are as follows: first term, Nov. 4, 1957 to Jan. 11, 1958; second term, Feb. 3, 1958 to Mar. 29, 1958; on-the-job training Apr. 15, 1958 to Oct. 15, 1958 (approximate); third term, Nov. 3, 1958 to Jan. 14, 1959; fourth term, Feb. 2, 1959 to Mar. 27, 1959.

High school grads, 16 years of age or older, are eligible for enrollment. Mathematics, science and English college entrance requirements are not necessary for admission. A high school degree is waived for those who demonstrate purposefulness.



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Goes to work in
the soil. Easy to a
prayer. Saves work,
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Abril, 1957

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## Plans Made for International Seniors' Championship

The fourth Teacher's International Trophy Match for the International Senior professional golf title will be played over 36 holes at Pollok GC, Glasgow, Scotland, on June 28. Al Watrous, Birmingham, Mich., the 1957 P.G.A. Seniors' champion will be the American representative in the international match. His opponent will be the winner of the Teacher's Senior Professional tournament being played at Fulwell GC near London, Apr. 10-12.

Watrous, member of three Ryder Cup teams and runner-up in the 1926 British Open is already well-known in Scotland and the Teacher's International Trophy Match may find Watrous facing one of his previous Ryder Cup opponents.

# Pro Golf Company Has New "Power Center" Golf Ball

At a sales meeting in Florida, salesmen of Professional Golf Co. of America had an opportunity to work up the selling power they'll put into the company's newly developed "Power Center" First Flight golf balls. A steel ball is used for the center which is said to stabilize flight of the ball while adding to accuracy and distance. Pro-only, the Power Center First Flights are packaged in an attractive box featuring a cross-section showing construction of the ball.



Photo shows, (l. to r.): Mike Brady, Bob Hoffner, Bill Jelliffe, Jack Harkins, treas., Chandled Harper and Earle Schlax. Harry Paylor, Jim Fisher, Steve Doctor, Jim Hohler and Don Martin of the sales staff were still out on the course testing.

## Shell Builds Denver Plant

Shell Chemical Corp. is building a new unit at its Denver plant to produce methyl parathion, a phosphorous based insecticide. The plant will be completed in early May.

# What's New

■ Products and Personalities

## Mallinckrodt Distributes New Turf Disease Handbook

A new, illustrated Turf Disease Handbook. written especially to help the supt. combat turf disease, is being distributed by Mallinckrodt Chemical Works, St. Louis 7, Mo.

The Handbook contains keys to aid supts. in identifying common diseases and diseasecausing fungi; descriptions of the common turf diseases; suggested control measures; and a discussion of the conditions which favor the growth of disease-inciting organisms.

It is designed for quick reference in recognizing, diagnosing and selecting the proper fungicide for control of turf diseases. Thirteen diseases are covered and under each listing is a full-color photograph of an area infected with that disease as well as an enlarged drawing of the disease-causing fungi.

The Handbook contains specific recommendations for the prevention and control of the various diseases. These recommendations are generally recognized as the best current advice of researchers and supts. At the back of the book is a discussion of the relationship of turf disease to climatic and cultural conditions. and to good turf management practice.

## Product Engineering Mail Cart Wins Favor with Postoffice Dept.

Product Engineering Co., 4707 S.E. 17th ave., Portland, Ore., manufacturer of the Con-Voy golf cart, has been accorded a vote of thanks by the nation's postmen by taking the load off their backs and shifting it to a mail satchel cart. For the past two years, PEC has worked closely with the Postoffice dept. in developing a cart that readily absorbs shock and has a hand brake that holds on the steepest grade. The new mail

of the Con-Voy, apparently is the answer since the government has placed sizeable orders for the model.

satchel cart, an offspring



## This Cushman Is Loaded



Denton Hassell, Ferndale, Mich, manufacturer's rep, found a new use for the Cushman Golf Buggy. He used it to transport the 43,000 pennies he has saved over the past 19 years to the bank. Hassell felt the bank a safer place for the money after thieves robbed his home but did not take the coin jars which weigh 95 pounds apiece. Shown with Hassell are his wife, Naomi, and daughters Nancy 6, and Darlene, 13.

## 1957 George A. Davis Catalog Is Now Available

The 1957 catalog of George A. Davis, Inc., 5440 Northwest Highway, Chicago 30, is off the press and available for supts. The 48page book illustrates all the products that can be obtained from Davis including many types of turf maintenance equipment, tools, fertilizers and grasses. The catalog points out that Davis specialists are always on call to help supts, with maintenance problems. Inserted in the book are handy order forms.

## Stops Hillside Erosion

Literature sent out by Grasslyn, PO Box 177, College Park, Md., discusses the potentialities of Penngift Crown Vetch for preventing or stopping hillside or slope erosion. Crown vetch is being used rather extensively through Ohio, Indiana and Pennsylvania to stop erosion along highways. Fred V. Grau operates Grasslyn.

## Gets Jacobsen Appointment

Jacobsen Manufacturing Co., announces appointment of Don E. Hornibrook as field service supervisor for the Southeastern states. Hornibrook attended Michigan College of Mining and Technology. He recently has been field service rep for Automotive Merchandis-ing of Canteen Co. of America.



Protect your floors from spike holes with rugged Pneu-Mat Runners. Absolutely spike-resistant, they provide a comfortable walking surface — improve the appearance of your club house.

Woven of rubber-impregnated fabric, Pneu-Mat Runners are tougher than rubber runners. Reversible for double wear.

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\$tandard Widths 20"-24"-30" 36"-42"-48" Trial Sections 24"x60" \$10.00 20"x24" \$4.00

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# PAR-TEE The Proven Automatic Tee

No other golf tee approaches its 31 year record of —



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For 31 years—made, sold and serviced by PAR, Inc. For 31 years—hundreds of PAR-TEEs in continuous use, and still the most modern tees, with lowest upkeep and unfaltering performance. No other tee has as many tees or years of use as the PAR-TEE. That's the record behind PAR-TEEs. Complete with driving and standing mat — ready for use in a lifty. Available for rent or for sale.

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## **Toro Offers Paris Trips**

In the largest power mower industry promotion in history, Toro Manufacturing Corp., Minneapolis, is offering 16 free trips to Paris and a chance for other contestants to win one of more than 200 Toro power mowers offered as regional grand prizes.

The grand prize - the trips - will be won by the public, Toro dealers, distributor salesmen and distributors - opening up the

contest to all trade levels.

Here is how the contest will work: A customer will register in a store "tagging" one of the three Toro Units in view — a 20-in. Sportlawn, the 18-in. Toro Whirlwind, or the Toro Power Handle.

The grand drawing will follow the closing of the contest on June 16 and two contestants, their two dealers, the two distributor salesmen who call on the winning dealers and the two distributors — plus all their wives — will win a TWA flight and a week in Paris.

Any winner who has purchased a Toro mower during the contest will be awarded

the full purchase price,

Ordering Merchandise? Check Your Needs Against List on Page 125

# FOR BETTER FAIRWAY TURF. ADAMSON MOVING BASE SPRINKLERS For new installations, for problem fairways, for old systems with pipes past their prime, the Adamson Moving Base Sprinkler gives unbeatable water distribution with minimum outlets, pressure, and labor. Two models available ask for complete literature and sample piping print. ADAMSON SPRINKLER COMPANY, 2228 BARRY AVE., LOS ANGELES 64

## MacGregor's New Smoothies



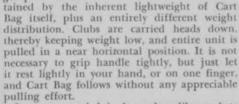
Four unique, new "Smoothy" putters have been added to the 1957 line of MacGregor putters. All are made with a convex face. This is said to produce immediate overspin on the ball and reduces chance of a stubbed putt. The clubs are available at all pro shops. For information ,write The MacGregor Co., Cincinnati 32, O.

## Sit-N-Rest Cart Bag Is Improved

Golfers will find the 1957 Sit-N-Rest "Country Club" model cart bag available in a greater variety of colors and with wider seat

straps to improve seating comfort. Seat straps serve a dual purpose, also serving as a shoulder carry strap for carrying the lightweight Cart Bag where wheeling may be difficult. Wheels are ball bearing.

Cart Bag's featured "one-finger pull" is ob-



Irons are carried in long sleevelike pockets and woods are placed in individual softly lined pockets which cerve as head covers. Storage capacity of pockets for jackets, balls, tees, etc., has been increased,

For more information, write Sit-N-Rest Golf Bag Co., 2400C W. Clybourn, Milwaukee 3, Wis.

## Spalding Issues New Golf Pro Catalog

Spalding has issued its 1957 Golf Professional catalog which features the complete Spalding golf line. Profusely illustrated, the 56-page catalog lists golf clubs, balls, bags, caddie



carts, rainwear and shoes and a full line of accessories.

For the first time Spalding offers clubs in the exclusive professional line bearing the name of a lady golfer. These are autographed by Mary Lena Faulk, the lass who recently shattered the LPGA record for a 72-hole tournament by clipping five strokes off the old mark when she shot a 279 to win the St. Petersburg Open. The Pro catalog has been distributed to pro shops. Additional copies may be obtained from Spalding branches or by writing A. G. Spalding & Bros., Chicopee, Mass.

## Waldron Markets "Safety Plate".

Safety-conscious Lew Waldron of Columbia Chemical Co., 154 E. Erie st., Chicago 11, is now marketing a reflector, "Safety Plate," which is a real boon to night driving. License-

plate size it is enclosed with reflector tape, has two electric bulbs, giving it two-way illumination. It can be seen, Waldron says, for at least 1/4 mile at night.

Waldron, a former pro, is putting a percentage of the profits realized from the sale of "Safety Plate" into a fund which will be given to the PGA to build a new clubhouse at Dunedin, Fla.

One of the country's leading chain stores is now marketing the Waldron creation in its automotive accessory dept,



# TEEMATS

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## DBA Develops New Shoe Deodorizer and Sanitizer

DBA Products Co., Deerfield, Ill., recently introduced a new shoe deodorizer and sanitizer, Aero-San, for sport shoes. It is recom-



mended as an easy, practical and safe answer to the problem of rental shoe maintenance where extra protection is needed to guard against infection. Aero-San is currently being used in bowling alleys, clubhouse locker rooms, gymnasiums, schools and athletic clubs. It is offered as a more convenient method of pro-

viding cool, clean and sanitary shoes which requires just one short powder spray from the push-button container before wearing. The principal ingredient is Hexahorophene, a proved bacterial-killer, germ-arrester and deodorant. It does not discolor shoes or stockings.

### West Point Distributors

Newest additions to West Point Products Corp's list of distributors include: Steve Regan Co., Salt Lake City; Zaun Equipment Co., Jacksonville, Fla.; Burgess Building & Plumbing Supplies, Ltd., Calgary, Alta, Can.; and Myers Co., El Paso, Tex.

## Mallinckrodt Fungicide Sheets

Among other publications, Mallinckrodt Chemical Works, St. Louis 7, Mo., has available information sheets on its turf fungicides. They can be obtained from Millinckrodt dealers or by writing the company.

## Nitro-Form Publication Available

Supts, are urged to write to Nitro-Form Agricultural Chemicals, Inc., for copies of the new "Blue Chip — News of the Turf World" monthly that contains latest news of interest to turfmen. It is edited by Fred V. Grau.

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Quick Shut-off Lever &
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Screw On Handle
Spreads Top Dressing,
Nitro-Humus, Peat,
Commercial Manure
& Other Materials
Successfully,
Weighs Only 69 Lbs.
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## WAYNE GOLF BALL CO.

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MacGregor Launches Big Advertising Program

MasGregor Golf Co. has launched its largest golf advertising program. Breaking this spring in Sports Illustrated, and following in other



national media, is a series of ads showing MacGregor Tourney clubs and balls in the hands of famous golfers. Featured will be Jack Burke, Ted Kroll and other big winners hold-

ing MacGregor Tourney equipment.

Publications on the 1957 MacGregor golf schedule include GOLFING, Time, Sports Illustrated, The Sporting News, Sport, Sports Review, Golf Digest, Golf Life, Golf World.

The Golfer and many key newspapers in cities where weekly pro circuit tournaments are held.

## Toro Sales Up 24 Per Cent In First Six Months of Fiscal Year

Sales increased 24 per cent and earnings 196 per cent for the first six months of its fiscal year, it was announced recently by Toro Manufacturing Corp., Minneapolis.

Sales of power mowers totaled \$6,126,624, compared with \$4,950,570 for the previous six months period. In this period ending Jan. 31, 1957, Toro earned \$606,320 before taxes, compared with \$204,540 in 1955.

D. M. Lilly, president of Toro, predicted earnings for the full fiscal year will not match the sharp first half increase, but will approximate the steady growth pattern of the last four years.

Introduction of the Power Handle, portable source of power for 10 different units, has been a spur to increased sales, the company reported,

Sales for the last full fiscal year, which ended July 31, 1956, were \$15,168,651, an increase of 26 per cent. Net earnings were up 30 per cent over the comparable 12-month period.

## **GOLF BALLS FOR PROS ONLY**

ALEX CAMPBELL, high compression, liquid center ALEX DUNCAN, medium compression, liquid center

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The best medium priced pro line available, marked with our trade name or private brand. Balls gueranteed.

Used cut or uncut balls taken in trade or purchased.

Custom repainting of your golf balls.
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## MINIATURE GOLF COURSES

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EASTERN GOLF CO.

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## Jacobsen Field Staff Has 10th Anniversary

The Jacobsen Manufacturing Co. field service staff organized 10 years ago with one man now consists of 5 power lawn mower experts,



covering authorized service stations and franchised dealers throughout the country.

J. W. Eckhardt has headquarters in Racine and covers the field work in the Central States. C. H. Culbertson has headquarters in San Jose, Calif. and has the western part of the U. S., including the West Coast. R. L. Martin lives in Ft. Wayne and handles Ohio, Indiana, Mich., Ky., and W. Va. George J. Eftemoff lives in Plainfield, N. J. and works New England and North Atlantic States. D. E. Hornibrook handles the nine Southeastern States and has headquarters in Atlanta, Ga.

## West Point Produces 1/4 in. Aerifier Spoon

A ¼ in. Aerifier Spoon is now being produced by West Point Products Corp., West Point, Pa.

The 1/4 in, spoon gently stirs the soil during acrification and is especially valuable for use at times when thorough cultivation may be considered impractical.

For present users of power-driven aerifiers, West Point is furnishing reels with the ¼ in. spoons attached. With this convenience aerifier users can easily convert from and to the ½ in. spoon assembly.

The West Point hollow tine "spoon family" now consists of the I in. Open Spoon, ¾ in. Open, ¾ in. Open, ¼ in. Open, ½ in. Thatch, in addition to the ¼ in. Open.





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## **Davis Heads Miller Sales**

Charles C. Davis, Jr., has been appointed

Charles C. Davis, Jr., hegeneral sales mgr. of the Miller Brewing Co. Davis has been with the Miller organization for five years, the last three of which he has served as head of the international sales dept. A native of Indianapolis, and Marquette University graduate, Davis belongs to the Milwaukee World Trade Club and served with the Navy for 31/2 years during World War. II.



## **Penfold Sponsors Slogan Contest**

Thomas B. Semans, Jr., 34 S. 17th st., Philadelphia, American rep for Penfold balls, has announced details of a slogan contest, sponsored by Penfold, which begins Apr. 1 and continues through Aug. 15. The pro, and a member who assists him in creating the best slogan describing the quality or attributes of the Penfold ball, will be given a two-week, all-expense trip to England for the Ryder Cup matches which will be played early in October. In addition to seeing the matches, the win-

ning pair will be taken on a tour of leading courses in the islands plus other places of interest.

Complete details can be obtained in proshops throughout the country or by writing Tom Semans.

## Jacobs, Boynton Enroll with Wilson Advisory Staff

Two recent additions to the pro ranks, Tommy Jacobs, Jr., and Frank Boynton, Jr., have joined Wilson Sporting Goods Co's advisory staff. Both are graduates of the Jaycee tournaments where they made enviable records in recent years. In pro competition, Jacobs made his best showing early this winter when he finished third in the Los Angeles Open. Boynton, an extremely long hitter, hasn't done much on the pro circcuit as yet, although he recently beat Sam Snead in an exhibition

### Tennessee Toro Moves

Tennessee Turf & Toro Co. recently moved into larger quarters at 311 E. Jackson ave., Knoxville 2. Besides handling Toro products, TT & T Co. is purchasing agency and warehouser for the Parker Bros. Co.

# FAIR WEATHER OR FOUL! Full details in FREE CATALOG Write to: The MURDOCK Mfg. & Supply Co. Cincinnati 2, Ohio MURDOCK OUTDOOR DRINKING FOUNTAINS

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## ALFRED H. TULL

Golf Course Architect

Larchmont, New York

## U. S. Rubber Provides Pro Shop Sales Aids

United States Rubber Co. is providing golf professional shops with a number of practical sales aids, free of charge, designed to help build goodwill among members, players and committees, John W. Sproul, sales mgr. of golf balls, has announced.

These can be obtained through company salesmen or the nearest district sales branch.

New this year is a clear plastic bucket dispenser to help the pro sell more of the economically priced golf balls, U. S. Nobby and U. S. Tiger. It holds 6 doz. golf balls and is designed for counter use.

Also new this year is a first tee tray or counter display for



individual score cards, pencils and ball markers which the golfer needs before he tees off. It is made of tough Royalite thermoplastic.

A pocket-size booklet with the Nine Most Violated Rules and Etiquette Rules in car-



toon style is available for distribution to golfers by the pro.

A large 12-month '57 calendar with golf holidays and week-ends noted, helps the proset up lesson dates and tournaments.

Match and Medal play score cards can be secured in large and small sizes. The U. S. Hole-in-one medals for men and pins for ladies are available to all pros. Over 55,000 had been awarded up to January 1, 1957.

Special prizes for the lady golfers, in the

Special prizes for the lady golfers, in the form of nosegays and corsages with three U. S. Queen Royal golf balls, can be bought by the pros from U. S. Rubber at reasonable cost.

## **Barnett Wholesales Caddie Buttons**

Demand for caddie buttons has prompted Grant A. Barnett, 707 Main st., Buffalo 3, N. Y., to make arrangements with a metal arts company to produce not only identification buttons for caddies, but for club employees and tournament officials. Complete information concerning these items can be obtained by writing the Barnett firm.