



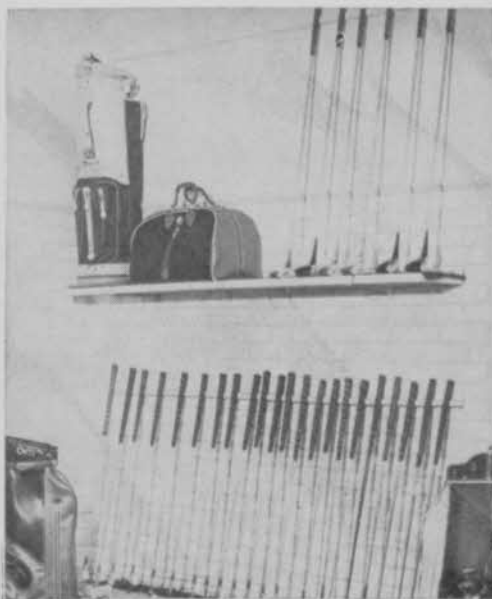
In building display racks, Blatnak strived to avoid overcrowded look, give his merchandise plenty of "show" space.

what excellent craftsmen the Ridgemoor threesome turned out to be.

Nothing Under Glass

In looking over the photos, note that Blatnak keeps nothing under glass. Almost every article he has for sale is displayed on open shelves where the golfer can re-

(Continued on page 58)



THE CHAMBERLIN

Ko-lap-si Kart

TRADE MARK REG. U. S. PAT. OFF.

AUTOMATIC FOLDING ACTION

*Lift Handle,
It Opens*

*Drop Handle,
It Closes*



The greatest cart that was ever built.

Kolapsi Kart has built into it every ideal feature to make it the Cadillac of all carts.

Steel for strength. Bright, rust resisting finish. Stands erect either closed or open. Rolls easily while closed or open. Stands erect for storage in closets or folds compactly for storage in luggage compartment of car.

Large wheels for ease on fairways, in rough or up and down stairs. Automatic patented closing device.

Bags protected by heavy webbing against abrasion, discoloration and damage.

The easiest rolling cart ever made. So easy the cart is used by more women in preference to any other type or make of cart.

It's the dream cart come true. It's a golfer's cart.

A cart acknowledged around the world as the finest ever to appear on the fairways.

NOT A WRESTLING MATCH

No push buttons — no sliding sleeves — no wing nuts — no trick catches or slotted devices. Nothing to hurt the fingers. You don't need three or four hands to operate this cart. It has the world's most simple patented and fool-proof closing device.

It is not necessary to adjust the handle due to the design and method of bag carrying.

SEND FOR 1957 CATALOGUE

CHAMBERLIN METAL PRODUCTS CO.
2226 Wabansia Avenue
Chicago 47, Illinois

Rush catalog of four Kolapsi Kart models and Tuffi Tubes Rush Information on new low priced models

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City _____ State _____

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MADE OF
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Plastic, List _____ 59c ea.

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WRITE FOR CATALOGUE

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2226 Wabansia

Chicago 47, Ill.

Phone CApital 7-7171

Protection from Winterkill

In the first article, which appeared in August *GOLFDOM* (page 66) some of the causes of Winterkill were outlined, particularly for the benefit of far Northern clubs that are beset with alternate freezing and thawing conditions that play havoc with greens. The second part of this article offers suggestions for coping with these conditions.

By JAMES R. WATSON

There are no techniques that will absolutely assure complete protection from winterkill. The following suggestions may materially reduce the severity of damage and if combined with a sound management program, will insure a more rapid recovery of damaged areas.

The management program must include proper fertilization, aeration, correct mowing techniques, including periodic vertical mowing, judicious use of water and sound programs of disease and insect control.

Desiccation

1. Obtain and hold as much snow cover as possible. This may be accomplished by the use of snowfence or by piling brush on the greens. It is important to recognize that this may intensify snowmold attacks; hence, preventive treatment for this disease (outlined later) is imperative.

2. If possible, plant trees or shrubs to act as wind breaks on more exposed areas. This will reduce wind velocity and help prevent snow cover from being blown away.

3. Apply water (syringe) in late winter or early spring when climatic conditions conducive to desiccation prevail. Generally this is not practical because water lines are still open, the ground frozen and irrigation systems are not operable; nevertheless, this one step will probably do more to prevent desiccation than any other one factor. Often the expense and inconvenience of hauling water to the more exposed greens can be justified by offsetting the expense and inconvenience of restoring them when the season opens. Large (100-200 gallon)

truck or trailer drawn sprayers are excellent for this purpose and such usage, coupled with summer spraying needs, justifies the cost of such equipment.

4. Spraying the greens with a plastic material such as "Wilt-Proof" may help reduce transpiration; hence, prevent desiccation. These materials are being used by nurserymen to successfully reduce transpiration of trees and shrubs when transplanting under adverse conditions. Coating the leaves of the grass after the last cutting in the fall, or perhaps spraying in late winter — early spring, may help. Actually this is an untried idea and the writer does not know whether such a scheme will work or not. It seems plausible and perhaps should be investigated. Studies on this subject will be set up at the Toro R. & D. Center this winter.

Thatch and Mat

1. Eliminate and control thatch insofar as is possible. Vertical mowing, aerating, adequate fertility and possibly lime (even though soil tests may show an adequate supply the thatch layer itself may be quite acid) all are accepted practices known to control and reduce thatch and mat.

2. Fairways should be "cross-cut" periodically during the growing season. If severe drag mat will lift the runners and stems and permit removal by mowing.

3. Fall fertilization — four to six weeks before the first killing frost — coupled with aeration and spiking, will aid materially in decomposing the thatch and also will help promote deeper root growth. Fall fertilization insures adequate reserve food storage which is responsible for early spring growth. Healthy vigorous plants are better able to withstand adversity in late winter-early spring.

4. Use soluble or inorganic sources of nitrogen during cool spring weather when the breakdown of organics may be too slow to further encourage growth. Fall fertilization with organics or with half-organic complete fertilizers will eliminate the necessity for early spring fertilization.

5. Topdressing of greens will aid materially in decomposing thatch accumulations. In the opinion of the writer, reduction and elimination of this practice has been responsible for the increase in thatch and mat accumulations over these past several years. Periodic topdressing should help in reducing winterkill through its indirect affects.

Snowmold

1. Preventive treatments of the appropriate
(Continued on page 60)

Mid-Atlantic Supts. Enthused Over Bermudagrass Development at Beltsville Station

BY CHARLES K. HALLOWELL

The Beltsville Turfgrass field day was renewed on Aug. 6 under the direction of Felix V. Juska, research agronomist, Crops Research div., Beltsville, Md.

The program was arranged for the members of the Mid-Atlantic assn. of GCS and others interested in turfgrass improvement. Charles K. Hallowell, Mid-Atlantic director, USGA green section, assisted in planning the program.

Merion bluegrass seeded alone, Merion seeded with red fescue, and Merion seeded with Kentucky bluegrass were the three outstanding plots in the 4-year old lawn-seedmixture plots.

In the 44 plots treated with different chemicals to control crabgrass, lead arsenate plus Chlordane and the N-1-naphthyl phthalamic acid pre-emergent treatments had a high rating. While it is too early to draw final conclusions, plots having disodium monomethyl arsonate and phenyl mercuric acetate showed promise.

Bermudagrass selections secured from a variety of sources were the feature of the many plots being tested. Two heights of cut and two different sources of nitrogen had been applied on a portion of each Bermudagrass plot. Tifgreen received a high rating.

The 18 soil fertilization plots showed eight different chemicals, (most of which have been applied in duplicate) controlling weeds in varying degrees. Since first treatments were made on July 9, results were inconclusive.

Bentgrass studies which have been absent from the test areas since the turfgrass studies were taken over by the U. S. Department of Agriculture in 1953 will again be included in September.

During the meeting Paul C. Marth reported on gibberellic acid investigations and Bernard A. App described different insecticides.

Mid-Atlantic supts. were enthused over what has been started by Juska and were sure that in a short time there would be additional Bermudagrasses besides the U-3 Bermuda which would be of use on their courses. Similar studies, first at Arlington, then at Beltsville, conducted by the USGA green section in cooperation with the Dept. of Agriculture, developed such strains of bent as Arlington, Congressional, Cohansey, Old Orchard and Toronto.



Fay Wins Triangle Trophy

John E. McAuliffe, pres. of Triangle Conduit & Cable Co., awards Fay Crocker a trophy for her victory in the recent Triangle Round Robin played at Virginia Beach, Va., as Mrs. McAuliffe looks on.

A.S.T.A. Creates Lawn and Turfgrass Division

An outstanding development of the 47th annual convention of the American Seed Trade Assn., held recently in Cincinnati was creation and formal acceptance of a division devoted to lawns and turfgrass.

The new division organized in Cincinnati was designated Lawn and Turfgrass Division, enjoying parallel status with other major A.S.T.A. units. The development marks the coming of age of the specialized field of turfgrasses and lawn products.

At the mid-winter meeting of the committee in Chicago, it was voted unanimously to request division status, sparked especially by a strong resolution to this effect by the Atlantic Seedsmen group. In face of this enthusiasm the A.S.T.A. Board reversed a mild position against division status resulting from an informal survey.

Officers of the new division are: Ross McCausland, Wichita, Kans., chmn.; Robert Schery, Marysville, O., vice-chmn.; and Arden Jacklin, Dishman, Wash., secy.

Southern California Field Day

Water Management will be the theme of the Oct. 15 field day of the Southern California Turfgrass Council to be held on the UCLA campus. Registration will start at 8:30 a.m. Lectures and panel discussions will feature the morning session while a tour of the University turf plots will be made in the afternoon.



The Season's Finest Gift to Good Golf

You are looking at a holiday gift package that can't be matched for customer appeal and profit possibilities. The Tourney golf balls are 1958's . . . and the imported-from-Belgium metal container of a hundred uses is an outstanding example of old-world craftsmanship. The golf motif, including Scotland's traditional heather and thistle, is lithographed in nine magnificent colors.

Two sizes are available . . . for the price of the golf balls alone. One dozen Tourneys \$14.75—one-half dozen \$7.50. Each dozen or more will be personalized free with golfer's name if desired.

In addition, each container is packed in an

attractive corrugated box for gift sending.

National advertising—in full color—is pre-selling this handsome gift. Free mailing pieces also are available to you.

A compact counter display is included, at no additional cost, with every six dozen gift packaged Tourneys.

You are urged to stock up early . . . order from your MacGregor salesman, any branch or from Cincinnati.

MacGregor
THE GREATEST NAME IN GOLF

Over The PRO SHOP Counter

Errie Ball, pro at Oak Park (Ill.) CC, displays a dozen or more shirts on coat hangers hung on a rack in the front of his attractive shop.

There also are sports coats on the rack.

The display has given a big boost to Errie's sales of shirts and is a colorful feature of the shop.

Ball says: "I thought I was making adequate presentation of a shirt stock when I had shirts on an open display on a table but this showing was not nearly as interesting and helpful to my members as the rack display. Men who belong to a first class club seldom are shoppers who are looking for something to buy. They haven't got any feeling and training similar to that which accounts for considerable buying of apparel by women at pro shops. The men have to be caught first by looks of the merchandise, then by feel and by speed and convenience of buying."

Especially recommended for the slow season is an idea that Ray Whiteside, pro at Coos CC, Coos Bay, Ore., tried out very successfully last winter. During the months of February and March, Ray offered his members all the lessons they and their families could squeeze in for just \$20. The first six lessons included the price of balls and thereafter the students paid for balls at 75 cents a lesson. Ray wasn't exactly swamped but he kept busy eight and ten hours a day during what otherwise are the dog days of golf for Northern pros. The winter lessons stimulated members to

take more (at regular fees) during the summer, got a lot of new students started in the lesson habit, and to put it in Whiteside's own words: "They stepped up sales of merchandise to the extent that I tallied the gross three times before I could believe what I had taken in."

A pro at a small private club in northwestern New York keeps everyone aware that he is in business by designating each week during June, July and August as "Putter Week," "Golf Ball Week," "Sports Shirt Week," etc. He has a small display window in the front of his shop which is appropriately dressed up for each weekly occasion and along with this he offers an attractive price inducement on the particular item that is featured for the week. The important thing, according to this pro, is to rig up a window (or special display area, if a window isn't available) that attracts a lot of attention. His suppliers, he adds, have given him a great deal of help and advice in putting over the program.

Some of the women who come into your shop are just getting around to taking up golf. If you don't recognize the female shopper, maybe it will be to your advantage to make discreet inquiries as to whether she is new at the game. If she is, she undoubtedly will need all the essentials to get started. One sale in cases such as this may lead to several others after some suggestions on your part. Being in unfamiliar surroundings, the lady probably will appreciate what help you can give her.

It's fine to shortcut details wherever possible, but neglecting to make out sales slips isn't one way of doing it. A sales slip should be made out for every item that goes out of your shop whether it is for cash or is on a charge. By noting each item sold you get an accurate picture of the type and brand of merchandise that's moving, your job of re-ordering is simplified and the very fact that you have your sales slips on hand at the end of the week or month makes inventory-taking much easier.

PROS . . .

Santa Claus, world's best pro shop salesman, wants a job in your shop.

See pages 24 & 49

Book Reviews

Secrets of Accurate Putting and Chipping . . . By Phil Galvano . . . Published by Prentice-Hall, Inc., Englewood Cliffs, N. J. . . . Price \$2.95

This is the second printing of the book describing the rather unique putting and approaching methods of the New York Met district pro who has successfully conducted a golf school for the past 11 years. A feature of the Galvano method is the grip. This is a conventional right hand finger grip with the index finger of the left hand on top of the fingers of the right hand. He putts with his shoulders and arms, not wrists.

Phil advises: 'Hold your breath during the putting stroke. This will further eliminate body vibration. Of course, don't forget to resume breathing after you finish the stroke.'

If you do forget, the next lesson will be postponed.

Golfing Technique in Pictures . . . Edited by Tom Scott . . . Published by Pitman Publishing Corp., 2 W. 45th st., New York 36 . . . Price, \$6.50

Scott, editor of *Golf Illustrated* of London, has assembled an all-star staff of British pros and a bale of well-selected photographs. The book gives an interesting and useful closeup on British instruction with numerous references to the British pros' observations, approval or criticism of American professional techniques.

Dai Rees, Harry Weetman, Jimmy Adams, John Panton, Bill Cox, Ken Bousfield, Fred Daly, S. S. Scott, J. R. M. Jacobs, Leslie King, Eric Brown, Pat Keene, Enid Wilson and Scott handle technical comment on the pictures. Geoffrey Cousins does a good chapter on golf etiquette and A. J. Stott writes a lively, condensed history of golf as the book's opening chapter.

Advanced Golf . . . By Cary Middlecoff . . . Published by Prentice-Hall, Inc., Englewood Cliffs, N. J. . . . Price, \$3.95

Doc doesn't make the customary revision of the elementary features of the grip, stance, swing and action of the hands, arms, body, legs and feet. Apparently he thinks that golf's gospel, according to Hogan, Armour, Snead, Revolta, Ford or any other guy who happens to be preach-

ing on the literary instruction tee, has been shouted to the limit of the sinners' capacity of absorption.

So, Middlecoff doesn't go much into simple detail. Early in the round he says: "All the other phases of the golf swing are secondary to the function of the hands . . . The happy part about this is that, given the opportunity, the hands will nearly always do just about as they should."

He does a simple and understandable job of avoiding a hell's mint of detail and concerns himself mostly with the situations of play, and the techniques and tactics that apply.

There probably will be a great many pros who will say that Middlecoff tells in his book what a book can teach a fellow who has been playing for at least a few years. The rest that the fellow ought to learn for his individual game is left to the pro on the lesson tee.

Two Lifts Installed at Tomahawk Hills

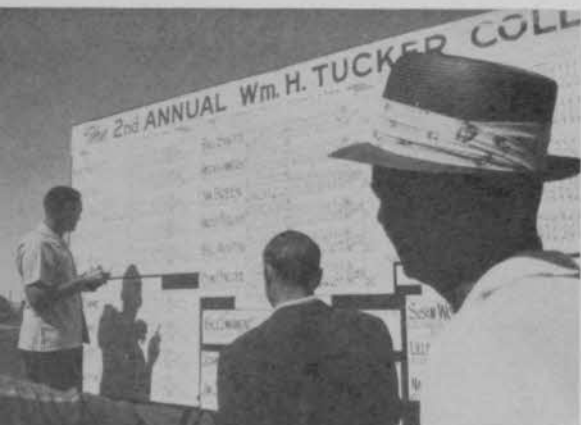
Hill climbing, which has little appeal to most golfers, has been largely eliminated at Tomahawk Hills CC, Mission Hills, Kans., where electric cable cars transport players to elevated levels in two locations. Between the No. 2 green and third tee there is a double track, each 150 ft. long, and between the 12th and 15th holes there is a double track, each 300 ft. long, for transportation purposes. The tracks were laid in 30-ft. sections.

The cable cars were designed by Verlin Bartley, a past pres. of Tomahawk. They are equipped with a motor, winch and built-in brakes and will accommodate four golfers. Both grades are about 40 degs. The lift system was installed at the suggestion of Harold Calderwood, pro.

The Mission Hills club was rebuilt from the remains of the old Shawnee CC, with the first nine being put in play last year and the back nine in May, 1957. Par is 71. Holes 3 through 8 are on a plateau as are 13 through 17.

Miller's "All Star Golf" Show to Start Oct. 12

More than 140 ABC-TV network stations will carry the Miller High Life championship golf series which will start on Oct. 12 and continue for 26 weeks through Apr. 5, 1958. Known as "All Star Golf," the series will be shown on consecutive Saturdays from 4:00 to 5:00 p. m. in each of the four time zones.



Scorekeeper Earl Puckett, Jr keeps collegians abreast of what's going on. (Right) Judy Ball, U. of Arizona, was 1956 women's runnerup.



Tucker Tournament

Fall Event Makes Big Hit at University of New Mexico

The only collegiate tournament in the country in which men and women compete will be held for the third straight year at the University of New Mexico's 7250 yard course in Albuquerque, Oct. 9-12. Known as the William H. Tucker Memorial tournament, the competition is named in honor of one of the country's pioneer golf architects who designed or remodelled 121 courses in the U. S. during his 50-year career as a pro, greenkeeper and manufacturer of balls and clubs.

The first day of play in the tournament pairs men and women in one-ball competition. The final three days are given over to medal play with the men competing against one another in a 72-hole affair, and the women playing 54 holes.

(Continued on page 60)



Jim Dixon, Hardin Simmons, led Tucker tournament for three rounds, finished fourth. U. of Arizona gals won team trophy donated by Mrs. L. D. Tucker (right).



On any ground— by any test...

WORTHINGTON IS BEST!

See for yourself with a free demonstration!

Yes, on any ground... a park, golf course, highway, cemetery, institution or estate... there's a Worthington mowing combination that's just the right answer to your grass maintenance problem. By any test you want to apply, Worthington units perform with low-cost mowing efficiency. Before you buy, have a demonstration on your own grounds, and—when you do, do your own testing. Compare and test Worthington against all other types and you'll agree that Worthington does it better... faster... cheaper. Test Worthington equipment on your own grounds today. Ask any Worthington Dealer for a "no-obligation" demonstration.



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The most complete line of large area grass maintenance equipment in the world!

Shields Honored at Opening of Woodmont's New 9

Tribute was paid Course Supt. R. (Bob) Shields, Jr. at the Woodmont CC, Washington, D. C. dist. by his green chmn., L. V. Freudberg, members of Woodmont, and VP Richard M. Nixon.

The occasion was the official opening of Woodmont's new nine holes. Bob built the club's latest addition, along with his duties of maintaining the already existing layout of 27 holes. The date of the opening ceremony was Aug. 10. Prior to this members and guests met for brunch and the presentation of guests. VP Nixon was the guest of honor for the day. Nixon, on behalf of Woodmont CC, gave Bob a portable television set and an envelope containing a bonus check as a reward for his efforts and accomplishments. Bob said later that the check was for an amount that would more than pay off the debt on his new car.

Shields in his acceptance speech paid tribute to his chairman, Freudberg; Woodmont's pro, Clarence Doser; club mgr., Ernest Oberhammer; Architect, Alfred Tull; and GC Constructor, Frank Murray.

Ray and Roy, Bob's two brothers, the twin brother combination from the Annapolis (Md.) CC, were on hand for the festivities. Ray is supt. there and Roy is the club mgr. Roy Shields is also pres. of the Mid-Atlantic chapter of the Club Manager's Association of America. President Tom Dawson of the Mid-Atlantic GCSA was present.

Sprogell Takes Over as Pro at Dunedin

Frank Sprogell, native Philadelphian and a charter member of the PGA, is the new pro mgr. at the PGA National Golf Club, Dunedin, Fla. Sprogell was given a one year contract, starting Sept. 1. He succeeds Leo O'Grady. He will have complete charge of the course and management of the clubhouse.

Sprogell, a Dunedin resident for the past few years, has been pres. of Mich. PGA for eight (8) years, vp of the National PGA 1936-1941 and secy. of the National PGA 1941-1945. He served for many years as a pro in Philadelphia and in Michigan.

Chevalier In Country Club Consulting Service

Jack Chevalier, Alden Park Manor, Philadelphia 44, Pa., formerly in hotel

Hole-In-One Nearly Causes Hole-In-Head

Herman Lindenmuth, supt., Cedarbrook CC, Philadelphia, was in his living room in the forenoon of Aug. 10, catching a wee bit of sack time. Herman's home is on the course, about 150 yards from the 8th tee and to the right of the fairway. That makes it mighty handy when a man has to get up at about 4 a.m. to attend to some early, important and delicate work on the course.

So Herman had 40 winks due him. About the time he was enjoying wink No. 35 and snoring softly, something rattled down the fireplace, bounced around, whacked Herman awake and subsided.

Herman thought it was a bad dream until there was a rap on his door. Paul Nuber, Jesse Day, Newt Croll and Linn Morrow, Cedarbrook members, greeted Herman. Nuber asked, "Herman, did you see my ball? I squirted one high and to the right into the trees and we think it hit your roof."

"It didn't. It came down the chimney like Santa Claus and hit me," Herman replied.

"What's the rule covering that?" the Cedarbrook quartet wanted to know.

"The only one I can think of," replied Lindenmuth, "is to never expect any sleep if you are in charge of a golf course."

management and with a management consulting firm, has formed a country club consulting organization which operates in connection with the current management of his client clubs. Chevalier says that his service rounds out the management experience required for efficient operation. It also brings to club business a logical connecting link between the specialized experience of clubhouse managers and the general business experience of club officials.

Turf Meetings

Sept. 10 - St. Louis Field Day, Link's Nursery, Route 1, Conway Rd., Clayton, Mo.

16 - 17 - Midwest Regional Turf Foundation Field Days, Purdue U., Lafayette, Ind.

Oct. 16 - 18 - Kansas State College Turfgrass Conference, Manhattan.