Photo story of greenkeepers' battles to provide best possible playing surface

1 - Unique fairway watering (flood) at Denver (Colo.) CC. Flooding is done with home-made canvas pipe.

1A - Showing method of manipulating canvas pipe for fairway watering at the Denver club.

2 - Damaged grass on high spots of green, and on top of mound in the back. This was caused by drying winds on exposed greens; damage due to dessication of grass.

3 - Leo Feser at Woodhill CC, Wayzata, Minn., shreds peat for use in topdressing mixture, with cheap Ford bought from auto dealer. One rear wheel was jacked-up and replaced with spring knives.

3A - Showing knives used to shred peat, and how they were attached to Ford rear axle. One man feeds lumpy raw peat in at top, and another takes the shredded finished material away.

4 - Hollow tine forking green at Midland CC, St. Paul. This operation is usually performed in spring or fall.

5 - Lou Trapp, demonstrating 5/4 inch deep hollow tine fork used by him at Dayton CC to improve greens with heavy underlying soil. Holes spaced approximately 8 inches apart.

6 - Weeds in putting green—introduced in weedy topdressing.

7 - Localized dry spots on heavily thatched stolon bent green. Grass turns blue first, then brown, and finally dies unless moisture is promptly restored. After that, green scum or algae takes possession. Serious damage generally confined to hot weather.
LABOR SHORTAGE?
Assure upkeep of your course with minimum labor by using only Grass Seed of "Known Quality".
S & W Bents for instance are over 99% pure. All our formulas are specially tested, saving time and money.
NOTE: Golf Course Equipment, Fertilizers and Insecticides ready for quick delivery from our warehouse. Save time and money by filling your needs NOW.
Write for Formula details to meet your special problem.

Kaddie Kart
PATENTED

WE STILL HAVE MATERIAL
but don’t wait too long before you buy, is our advice. Wise pre-war purchases enable us to offer golf clubs a limited quantity of Kaddie Karts, which are certain to be more essential than ever this year due to increased caddie shortages. Better write now to insure getting your supply for ’42.

KADDIE KART MFG. CO.
105 North Clark St., Chicago, Ill.
Please send information on your Kaddie Karts.
NAME ________________________________________
CLUB ________________________________________
ADDRESS ________________________________________
CITY STATE ________________________________________
PRIVATE FEE __________

Winter Sports Schedule Gives Club “Shot In the Arm”
“FROM a club that was practically ‘dead’ through the winter, we have become very much alive.” That’s Pro Jack Fox of the Glen Ridge (N. J.) CC talking, and he is telling what the inauguration (since Pearl Harbor) of a winter sports program has done for his club this past winter. Jack says: “We have inaugurated winter sports in our club schedule, and have transformed the upstairs grill room into a fine looking cocktail lounge. The response to these new activities has been, to say the least, terrific.

“Parents and children alike are utilizing the clubhouse facilities, toboggan slide and ice skating rink with much enthusiasm. January receipts were a record for the club. The redecorating of the lounge was done by our own help, including our manager, A. C. Parkhurst, who kept a paint brush going with the best. The toboggan slide, 624 feet in length, was built by yours truly with help from several members and caddies. Our greenkeeper, Harry Smith, attended to the construction of the skating rink on the tennis courts. Both the slide and rink are well illuminated at night.

“Fifteen new members were signed up during the first week of these activities, which more or less proves that clubs having the facilities for developing community spirit, will be in an advantageous position during the emergency.

“A women’s auxiliary has just been formed at the club and one of its first movements was to establish a Red Cross unit. This unit meets every Wednesday, from 9 a.m. until 5 p.m., and utilizes the club’s accommodations for sewing, knitting, etc. Sixty-nine women have attended each meeting thus far. For the future, it is hoped that playground facilities will be available for the children during the summer months. Roller-skating, soft ball, etc., will be conducted under club super-

KLEN-ZIP
REMARKABLE NEW CLEANER FOR GOLF BALLS
Newest chemical for removing dirt, grime and stains. Colorless, odorless. Does not get rancid, foul or slimy. No injury to hands or clothing. No soap, alkali or acid. Write for literature and free testing sample.
McCLAIN BROTHERS COMPANY, Canton, Ohio
vision. We feel that during the coming season, less people will be going away because of various war restrictions, so we hope to meet this situation with all our resources functioning 100%.”

Baxter Counsels Against Too Much Alarm in Crisis

ALEX Baxter, veteran pro at Kenwood CC, Cincinnati, expresses the opinion that the clamor for golf balls is far more than an expression of alarm by easily agitated hoarders. Baxter sees the rush to buy balls as a certain indication more golf is planned this year as a necessary relaxation and rebuilder for office and factory workers.

He is confident that the reduction of course maintenance care, transportation inconvenience and caddie shortages will be philosophically accepted by golfers, who will be grateful they’re not having to play bomb craters as hazards.

Baxter says he can’t recall what happened to golf clubs during the first World War because he went into the service from his golf job and back to his job when war ended. He found that the club still was a going concern. He reckons that clubs will have the same policy of taking their pros back after the boys have served in the armed forces and helped win a tough war.

“Watch the golf course so it doesn’t get so run down it will cost a fortune to bring it back, or get to be a cow pasture that won’t attract members” says Bertie Way, veteran greenkeeper-pro of Mayfield CC (Cleveland district.) “If golf was needed as a balance to work in normal times it’s needed more than ever now, when men are working harder and under heavier pressure.”

“If we can’t run a fairly simple enterprise like a golf club now, we certainly aren’t qualified to run a war,” Bert adds in counseling against a panicky stampede and advising calm, sensible readjustment of golf club operations to the wartime needs of its members.
Speakers at Wisconsin Greens Course Are Named

FEATURED speakers at the annual greenkeeping short course at the U. of Wisconsin, Madison, March 9-11, will include O. J. Noer, Milwaukee Sewerage Commission; Ted Booterbaugh, Milwaukee CC; O. R. Larson, Jacobsen Mfg. Co.; John Monteith, USGA Green Section; A. L. Brandon, GSA secy-treas.; C. A. Tregillus, Mill Road Farm cee; Ray Rolfs, North Hills CC; Prof. F. A. Aust, U. of Wis.; and Prof. James Tyson, Michigan State College, Lansing.

The course is supported through the efforts of the Wisconsin and Mid-West Greenkeepers Assns., who forecast the 1942 meeting will be one of the largest ever held. Registration fee for the course is $5.00. All sessions will be held in the Horticultural building of the university.

Federal Tax Rulings—Here they are again. Some have been given before ... Two just came recently by wire from Deputy Commissioner Bliss at Washington. Incidentally they are all from him so there is no question as to their authenticity. Golf Club Cleaning ... No tax if charge or service is optional with the member. If you charge everybody whether they elect to have the service or not, then the charge is taxable. Locker Rents ... No tax if rental charge is optional with member. Gymnasium Use ... No tax up to six days. If charge covers more than six days—same tax as dues. Bath Department Charges ... Any charge in bath department which covers more than six days use or service is taxable the same as dues. Room Charges or Rents ... Since these charges are always at the option of a member they are not taxable. Remember one thing about federal taxes—our advice, first, last and all the time is, when in doubt: 1—collect the tax. 2—make your return on time and your payment. Transmit your doubts to us and we will promptly get rulings for you.

CMA President's News Letter.

CADDIE BADGES—We have a number of designs in metal. Circular on request. The C. H. Hanson Company, 303 W. Erie St., Chicago, Ill.
Ranges for Servicemen
(Continued from Page 40)

and then to locate a good nearby sponsoring club. In the South all that is necessary is to get Bermuda grass started. This can be done by planting stolons. The putting green can be made available by early spring, but the driving tee can be made available almost immediately. All that is needed is dry ground and some sand. In the North it will be necessary, if putting greens are to be available this summer, to get the clubs to provide ready-made turf from their nurseries. If turf is not available, it can be purchased from people who might have a lawn for sale.

"To my mind the one controlling thought to keep in mind about this whole thing is the fact that a great deal of money is being raised to entertain soldiers and sailors in the cities and in the towns, but for every soldier boy seen on the streets of our cities, there are probably ten out at some camp who cannot get a pass to leave the camp or who haven't the money to go outside."

**What's New**

Almost daily the war makes new demands on industry, so it is natural that Deepfreeze, producer of domestic quick-freezing apparatus, should be called upon for commercial development in this field. The original home type Deepfreeze food storage unit, designed and patented by W. L. Morrison, is now sold in great numbers. The Santoeel Deepfreeze is a unit of similar capacity and construction used for commercial purposes, such as the chilling
of aluminum rivets and shrinking of metal parts. Temperatures as low as minus 80° Fahrenheit can be obtained.

Recently Morrison and his staff of engineers built a specially designed Deepfreeze unit for testing the hydraulic mechanism used on retractable landing gear of aircraft. Another new development is a Deepfreeze unit for the storage of blood being donated by thousands of generous citizens to produce the so-called blood plasma banks.

A specially designed delivery truck for frozen foods is also on the market, and is being manufactured by the Henney Motor Company of Freeport, Illinois. Dealers will find in this vehicle a swift, safe method for delivering frozen foods to consumers. The body has twin sections of food compartments mounted one on each side of the chassis, with a service aisle between.

Each section contains a battery of four Deepfreeze cylinders. Sub-zero temperatures are maintained by a small gasoline compressor. A 36 cubic foot capacity model on a conventional chassis is here pictured. A 77 cubic foot cab-over-engine model and a dual purpose express model with a double Deepfreeze unit is also available. Descriptive details may be obtained on request by addressing Deepfreeze, 2313 Davis St., North Chicago, Ill.

The North & Pfeiffer Mfg. Co., makers of Grip-Rite removable Shu-Spikes, announces that wise pre-war purchasing has permitted them to come up to the 1942 season with a supply of Shu-Spikes sufficient to last through the current season, but urges golf pros to order promptly inasmuch as metal items are on priority. New address of the N. & P. Company is P. O. Box 1144, Providence, R. I.

According to S. I. Strickhouser, manager, golf ball development, United States Rubber Company, a question now often asked is how long will a stock of golf balls keep their bounce and resiliency?

"During the first year some discoloration of the surface paint is bound to take place," Dr. Strickhouser said. "The balls will become slightly yellow, but this will not affect performance. During the second year golf balls will lose some resiliency. This will not be appreciable and cannot be avoided. Golf balls are wound with rubber thread under great tension. Eventually the rubber becomes set to some degree. However, a good quality golf ball, with proper care, should give the average golfer nearly as good a game at the end of two years as the day he bought it.

"Keep surplus golf balls in the original box they came in or in their individual wrappers of containers in the golf bag," Dr. Strickhouser advised. "That will keep them from the light and dirt. Then put the box or bag in a cool, dry place. Other rules to remember are: Buy a recognized brand, with tough, durable cover. Take lessons from your pro to learn more accurate hitting. Keep your ball clean of grit, but do not wash it in hot water. Use old balls for practice."

A light and practical golf bag stand under the trade name Clipon—the silent caddie, is an item that promises to take the backaches out of the play without a caddie, and should prove a welcome new item for dealers and pro-shops.

Clipon stands attach easily with springs over the rim of any standard golf bag—round or oval in shape. The stand can be left on the golf bag as a permanent fixture, folded flat against bag or taken off in a jiffy. Clipon weighs about nine ounces, which is half the weight of one golf club. A short piece of chain connected with cotter pin to the bag, limits the spread of the stand and gives it firmness even on hills, through rough and in the locker-room. Molded rubber feet and a rustproof finish make these stands attractive.

With Clipon holding the golf bag about 30 inches above the ground, a golfer can select his or her club, play the shot—and without bending down, lift the strap of the golf bag over the shoulder and go on for the next shot. To fold Clipon stand flat against bag, you simply push the loop down, pressing the legs of the stand together. This is for extra convenience in carrying or for storing in locker. However, during play the stand can be left swinging open; the check chain limits the swing and will hold the stand always in the right position when setting the bag down.

Another advantage is the saving on wear and tear on equipment. Clipon stands eliminate that unsightly heap of valuable golf equipment, often lying on wet and dirty ground. Caddies will learn
Robert Bruce Harris
GOLF & Landscape Architect
664 N. Michigan Ave., Chicago, Ill.
Phone: Whitehall 4530

WANT ADS: Rates, 10c Per Word - Minimum, $2.50

Wanted—Assistant pro-caddlemaster. Immediately. Must know golf repair work, and will supervise caddies. Splendid opportunity. Age 29, golf clubman. Apply: Riverside Golf Club, Riverside, Ill., for position. Experience in all phases of club work; can produce results and not afraid to work. Location secondary; conscientious and not exempt. Desires permanent connection, high class club. Available March 15. Address: Ad 312, Golfdom, Chicago.

Wanted—Assistant pro capable of running golf shop adjacent New York City. Must be good club maker. Address: Ad 307, % Golfdom, Chicago.


For Sale—5-gang roller Coldwell fairway mowing outfit. Price $100. About $50 spent on reconditioning would make this outfit highly serviceable. For full details write Maxinkuee Country Club, Culver, Indiana.

Wanted—Job as pro-greenkeeper or as greenskeeper. Am 41 years old. Have had 21 years experience. Am considered a very good instructor and greenkeeper. Fair player. References furnished. Address: Ad 302, % Golfdom, Chicago.


 Experienced Starter and caddiemaster seeks position at club where perfectly trained caddies and efficient first tee starting is desired. Expert member handling. Finest reference. Address: Ad 311, % Golfdom, Chicago.

Professional—Age thirty-nine. Twenty years' references. Highest character and ability. Would gladly accept any reasonable offer. Address: Ad 308, % Golfdom, Chicago.

Cash. We pay highest cash prices for used golf clubs and bags, or will trade new merchandise. Can use his history shafted clubs also. Kansas City Sport Goods Co., P. O. Box 35, Kansas City, Mo.

Man and wife to manage country club, experienced in all phases of club work; can produce results and not afraid to work. Location secondary; commission or salary. Address: Ad 314, % Golfdom, Chicago.

CONTENTS

Golf Dots and Dashes, by K. R. Sutphin............................................ 2
Plan Utilization of Club Properties, by Herb Graffis........................ 9
Golf Course Maintenance in War-Time, by John Monteith, Jr.......... 11
GSA Conference Draws Over 600, by Herb Graffis .......................... 14
How to ‘Lick’ Transportation Problem, by Andy High........................ 19
What Are a Pro’s Duties? by Joe Novak........................................ 23
Study Jap Beetle Control Methods, by Dr. R. T. White...................... 32
Complete Organization of Hale America Golf Council........................ 36
Jenness Peckham, Wife of Prominent Turfman, Dies........................ 37
Advocates Clubs Sponsoring Ranges for Servicemen.......................... 39
With O. J. Noer—South, East and West........................................ 41
Winter Sports Schedule Gives Club “Shot In The Arm” ...................... 42
What’s New.................................................................................. 45

ADVERTISERS’ INDEX

Acushnet Process Sales Co........... 2nd Cover
American Agricultural Chemical Co........... 37
Associated Seed Growers................. 5
Breailey Co., The........................................ 27
Burgett Co., The K. L......................... 36
Crawford, MacGregor, Canby Co........... 28-29
Clipon Manufacturing Co.................. 36
Davis Co., George A................................. 4
Deepfreeze Division......................... 17
Defense Savings................................. 3
Dolge Co., C. B........................................ 34
Double Rotary Sprinkler Co............... 37
Durable Mat Co................................. 38
Empire Hotel........................................ 40
Em-Tout-Cas America, Inc............... 38-39
Evans Implement Co......................... 36
Fate-Roof-Heath Co., The................... 2
Godwin, Hiram F................................. 47
Golfdom Book Dept......................... 3rd Cover
Harris, Robert Bruce......................... 47
Henderson & Co., Peter...................... 45
Hillerich & Bradsby Co...................... 31
Horner, R. S........................................ 40
Ideal Power Lawn Mower Co............... 7
Indian Queen Hotel.......................... 6
Kaddie Kart Mfg. Co............................ 42
Lewis Co., G. B................................. 4
Lyftton Building............................... 34
McClain Bros. Co............................... 5-40-12-14-45
Milorganite........................................ 6
Scott & Sons Co., O. M....................... 39
Sewerage Commission, The.................. 6
Skinner Irrigation Co......................... 2
Snow-Proof Co., The.......................... 40
Spalding & Bros., A. G...................... 20-21
Stumpp & Walter Co.......................... 42
Terminal Sales Corp.......................... 44
Toro Mfg. Corp................................ 8
United States Rubber Co................. 4th Cover
Vestal Co., John H.............................. 45
Wilson Sporting Goods Co.................. 24-25
Worthington Ball Co.......................... 33
Worthington Mower Co...................... 1
READ UP ON YOUR JOB!

COUNTRY CLUB CARTOONS
Set of ten prints depicting the humorous side of various club areas—locker-rooms, grills, pro-shop, first tee, etc. Each print 11 x 14 inches; ideal for framing. Use these cartoons to brighten clubhouse wall areas...

$1.00

THE RULES OF GOLF AT A GLANCE
This famous set of charts now hangs in 2,000 pro-shops, locker-rooms, and clubhouses. Eight charts to set, classifying the Rules into the zones of the course to which each rule applies—tees, hazards, traps, greens, etc. COMPLETELY ILLUSTRATED, to make understanding crystal clear. Charts are 7x10 inches, plus wide margins for framing and printed on heavy paper. Available framed under glass in two matching 19x24 inch frames, four charts to frame.

Complete set FRAMED
$5.00 per set
plus express charges

Complete set UNFRAMED
$1.00 per set
postpaid

GOLF COURSE COMMONSENSE $2.00
The only book ever published on all phases of greening; a complete manual in simple usable form; each chart rich in working instructions. Originally published at $4.00.

GOLDF: ITS RULES AND DECISIONS $3.00
Every pro, every tournament chairman, every player who is called on for rules decisions, needs this remarkably clear and complete 400-page treatise on the Rules. Each rule in turn is explained and interpreted, including all pertinent decisions. Enthusiastically recommended by USGA Rules of Golf Committee.

GROUP GOLF INSTRUCTION $1.00
This handbook gives guidance to instructors of group golf classes, especially in schools. Tells how to organize golf classes, what equipment is needed, then outlines important points to emphasize when teaching each club's use. Rules and etiquette covered. Paper bound.

BETTER LAWNS $2.00
By Howard B. Sprague. Gives essential facts that are needed for maintaining turf areas. Covers soil preparation, planting, grass characteristics, management practices, and weed and insect control. Many illustrations.

CLUB ECONOMIES $2.00
How to set up a club budget and operate within it; how to organize departments and control profits; how to manage employees. Clubs can save hundreds of dollars by following suggestions in this book. Written mainly for large clubs, but smaller organizations will find much information of value. Formerly $3.00.

QUANTITY FOOD SERVICE RECIPES $4.00
For variety in your menus, use this great book. Contains 1,100 outstanding recipes, worked out to yield servings of 10, 20, 50 and up, selected from the favorite recipes of leading club, hotel and restaurant chefs. 442 pages; sturdily bound. This book is a MUST for every club kitchen.

AN EASY WAY TO ORDER
Check the items wanted, write your name and address on the lines below, then tear out entire page and enclose in envelope. Please remit with order; no C.O.D.'s, but your money back if you're not satisfied. No Canadian orders accepted.

Name

Address

Mail to Book Department, GOLFDOM, 14 East Jackson Blvd., Chicago, Ill.