lists in Navy... Military physical training and recreation authorities considering expansion of golf program to meet new conditions with 3,000,000 young men to be in armed services... National Golf Foundation plan submitted after checking with numerous pros who were in World War II.

Harry Bassler, Fox Hills; George Heaney, Brookside; George Lake, Recreation Park, and Zell Eaton, Montebello, Southern Calif. pros on weekly hour TV program sponsored by Bill Bryant, operator of Fox Hills, Rio Hondo and Laguna Beach courses, and Stan Thompson, club manufacturer... Ralph H. Bolander completing Shortholes GC, mile south of Youngstown, O., airport, at Vienna, O.... Course 16 holes, 1039 yds., or 90 to 163 yds. on 12 holes. Lighted for night as well as day play... Opens next spring... Finale of Cleveland dist. NGSA outdoor meetings in golf and clammbake at George Biddulph's Springvale GC.

Willie Hunter pulled no punches in condemning golf hustlers, in piece in Golf Life for Sept.... Willie tore hide off the hustlers who fake their handicaps, hire conniving caddies and trim the chumps... Also blasted some pros who get as partners in pro-am events amateurs whose handicaps are out of line... About time pro golf came out boldly in

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More than fifty years' experience, latest laboratory equipment and continual research is behind Dolge Tested Products. Whatever your maintenance problem, Dolge dependable products will serve you efficiently and economically.

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WRITE today for the Dolge catalogue. It contains the solution to dozens of health and maintenance problems.
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Brocade...a carpet of compliments!

Long wear proven in clubs, hotels and theatres!

Your club will be proud of the striking good looks of Klearflax Brocaded Linen carpeting. Special designs, emblems or monograms are tufted in wool against a colorful background. Long-wearing, woven for years of heavy traffic, beautiful Klearflax Brocades offer unlimited decorative possibilities. This distinctive carpeting or rugs for distinctive clubs will win compliments from members, guests and from the club treasurer. For address of nearest dealer write:

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DULUTH 7, MINNESOTA

campaign against the hustlers who are amateur golfers but thieves for money ... Risk, of course, is that pro who fights hustling at his own club may blow his job as the hustlers are shrewd burglars, hard to catch red-handed and always have an alibi of piety.

Big celebration honoring Beverly Hanson at her home town, Fargo, N. D., Oct. 3 ... Home folks put on fiesta for their charming Women's National queen ... Dayton, O., considering new 18-hole muni course ... Bill Dewar switches from Rockaway Hunt Club, Cedarhurst, L. I., N. Y. to supt. job at Rockland CC, Sparkhill, N. Y. ... PGA of Southern Calif. 1950 championship program contained gracious tribute to greenkeepers as "golf's forgotten men." ... Gordon Brinkworth leaves Minikahda Club, Minneapolis, Minn., to become gen. mgr., new North Oaks club in Twin Cities district.

Illinois State Invitation Open at Onwentsia Club (Chicago dist.) Oct. 4 and 5 ... Entries limited to 150 with $10 entry fee providing prize money ... Jimmy Demaret, Chick Harbert and Jack Burke flew from New Orleans on exhibition tour of Central America ... Ken Golff, retiring from Toro Mfg. Co. to head Solaire Industries, given merry party at Breezy Point Lodge by his Toro teammates.

Fall Meeting of Detroit District Golf
Better than ever!

The Famous IMPROVED LEWIS GOLF BALL WASHER

The modern washer that combines

- BEAUTY
- EFFICIENCY
- LOW COST

It's SO easy to use — pull up the paddle, insert the ball and, with a few quick strokes . . . presto!

A shining, clean ball. Cutaway view below shows LEWIS MAGIC SLOT which rotates ball so that its entire surface is exposed to scrubbing action of bristles. Brushes have equalizing spring for uniform pressure. LEWIS GOLF BALL WASHERS are now finished with a heavy prime coat, a coat of glossy enamel PLUS a third coat of clear plastic for extra long life and added appearance. Additional improvements also include new rubber cushion (see small drawing) arrangement at bottom of washer which absorbs shock and prolongs life of washer.

Finish consists of prime coat, ivory enamel AND coat of clear plastic. Withstands season after season in any climate.

NEW rubber cushion arrangement in bottom of washer absorbs shocks. Adds years of life to washer.

Lewis TEE ENSEMBLE

A complete unit for the well-dressed and well-equipped course. Provides for washing and drying balls, disposal of waste, and sign for hole information. All attachments removable for storage.

Waste Container

Matches design of washer. Hinged cover. Simple thumb screw arrangement allows easy emptying. Finished, two coats ivory enamel, plus coat of clear plastic.

Tee Data Plate

Provides simple, logical means to post hole number, yardage, and par. Individual chromium figure plates mounted on white panel. Permanent, non-rusting. Numbers changeable — send your score card when ordering.

Tee Stake

Made of indestructible steel, finished in weather resisting paint. Web anchor near bottom insures permanent installation if set in concrete. 5' long.

MAINTENANCE PARTS — Parts subject to wear are easily replaced. Keep a supply on hand. Parts available include: Paddle Type Brush; Paddle Type Brush with Springs; Paddle with Screw for Chain; Chain Only (for Paddle); Spring (for bottom of tank); Thumb Screws (Cadmium Plated).

*NOTE: Be sure to specify whether washer is Old-style or Streamlined.

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Manufactured by

G. B. LEWIS CO.
WATERTOWN • WISCONSIN

LEWIS GOLF BALL WASHERS
and TEE EQUIPMENT
Push-button beauty treatment —

NEW 1951 LEWIS Golf Club CLEANING MACHINE

New Faster BRUSH ACTION*

Push a button and revolving brushes clean golf clubs in seconds without hand scrubbing or rubbing. Anyone can use it — it's THAT simple! Eliminates an otherwise pesky job. No wonder club members sing a song of time and tempers saved.

The LEWIS Golf Club Cleaning Machine is built to give years of dependable service. Requires practically no attention, Designed by a leading pro who knew what he wanted and how he wanted it. That's why YOUR players want this service.

Can be coin operated for public courses.

KEEPS CLUBS CLEAN

Ask for a demonstration at your dealer, or write for complete information.

G. B. LEWIS COMPANY
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*Conversion pulleys to speed up 1950 models available without charge.

and don't forget

LEWIS GOLF BALL WASHERS and TEE EQUIPMENT
Assn. to discuss what clubs can do to adjust preparedness ... California golf writers say late date of state championship results in too much conflict with football games and world's series for space ... Bill Kurek, pro at Northmoor GC, Peoria, Ill., elected pres., Central Illinois Pro-Am Golfers Assn. ... Herman Schar- lau, Bloomington, (Ill.) CC pro, elected sec. ... Bruce Colart, Seaview CC, Absecon, N. J., pro, recently got his sixth ace on Seaview's 17th.

Mountain View (Calif.) city council hear proposal to construct 18-hole muny course near proposed city sewage plant and saving money on sewage plant and course maintenance by watering course with odorless treated sewage water ... Suffolk (Va.) 9-hole muny course opened ... Eddie Murrow is pro ... L. V. (Red) Brown, Kansas City mgr., Lowe and Campbell div. of Wilson's assembled Wilson staff players before KC Open for an entertaining and instructive luncheon and demonstration for KC Chamber of Commerce members.

Herman Markovich and staff at Richmond (Calif.) GC conducting free classes for Fairfield air base at Richmond course where air force men are allowed free play ... Golf proving especially valuable for Korean war vets, with majority of cases being results of battle mental battering
Announcing The
NEW 1951 LINE of
CHAMPION Golf GLOVES

Better Fit
Greater Comfort
Longer Wear

Write today for the new 1951 Champion Golf Glove Catalogue!

They’re America’s finest golf gloves . . . favorites on fairways everywhere. Get ready now for the Holidays and Spring season. Deerskin, capeskin, nylon . . . exclusive styles . . . patented features . . . all famous for quality. Retail $1.00 to $3.50.

FREE!
Write today for the new 1951 Champion Golf Glove Catalogue!

Markovich also issuing monthly pro dept business bulletin to members . . . It’s best steady advertising by a pro we’ve seen . . . Pacific Northwest pros say Al Zimmerman’s 4-under 31 on second 9 at Astoria G&CC in final round of Pacific Northwest Open greatest finish in driving rain they ever saw . . . Ray Honsberger, Klamath Falls pro, won that championship.

Akron (O.) District GA says its year’s campaign of monthly cards to members has 25% of the district’s private and public course players playing strictly by the rules . . . That’s probably a higher average than most districts . . . Bob MacDonald Day celebrated by Edgewater GC (Chicago dist.) with tournament and dinner for the noted Bob Sept. 30 . . . Leaflet 281 of Dept. of Agriculture on “Pointers on Making Good Lawns,” by Fred V. Grau and Marvin H. Ferguson of USGA Green Section, can be obtained free from members of Congress or Office of Information, U.S. Dept. of Agriculture, Washington 25, D. C. . . . It would be a good publicity idea for greenkeepers to see that their members interested in lawns got copies of this leaflet . . . Congressmen’s campaign fertilizer not recommended for lawns.

Skycrest CC, 36-hole plant with fine

King’s Custom Made WOODS

Sold by Pros Only

PERFECT BALANCE

Beautifully shaped, perfectly balanced, handmade King’s Woods are Custom-made to the player’s exact needs. Non-chip, no-track, everlasting varnish finish. Choice of Golf Pride and other grips. Prompt delivery.

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P. O. Box 3252
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clubhouse, in northwestern sector of Chicago district, sold by Gene T. Dyer to Twin Orchard CC . . . Twin Orchard has been seeking a new plant as present Twin Orchard property is to be used for expansion of O'Hare airport . . . Skycrest was designed and built by C. D. Wagstaff for Kildeer CC . . . U.S. Junior Chamber of Commerce national junior championship, world's largest golf tournament, featured by Bill Stern on recent NBC broadcast . . . Grand tribute on recent Vince Flaherty in his LA Examiner column to the late L. B. Icely . . . Flaherty mentioned, among other of Icely's great qualities, Icely's sublime patience in listening.

Stan Van Dyke, pres., Chicago District GA, and other CDGA officials presented recently to Downey vets' hospital at Great Lakes Naval Training Center 18 hole putting clock, a joint donation of CDGA, Illinois PGA, Midwest Assn. of Golf Course Supts. and Cook County American Legion . . . CDGA Charities, Inc. has raised and spent, in association with district's pros and greenkeepers, $215,000 on servicemen's and hospitalized vets golf facilities.

Americans puzzled by difference between USGA and R&A regulations which permitted Jean Donald, representative of a golf ball manufacturer to play on British Curtis Cup team, in apparent conflict.

The one tee mat that serves better, longer than all others...

MELFLEX

HEAVY DUTY DRIVING MATS

Remember — Melflex is the only tee mat made of unbelievably wear resistant bomber airplane tire fabric.

Melflex Mats take more beating and abuse without showing it than any other mat available, say operators of the busiest ranges.

Full one inch thick, with the under-foot feeling of turf your players like; smoother for sure-footed pivoting and slip-proof wet or dry; always stays flat; reversible for added service. Let us show you what goes into golf's No. 1 tee mat that delivers the best buy in range safety, service and maintenance. And, the savings you make with the famous Melflex Rubber Tees.

Your inquiry about any Melflex product will receive prompt attention.
The Answer to Lost Spikes

CAM LOCKS have been added to the regular-LARGE BASE spike. The CAMS hold spike fast in position. Will not rough sole.

F. C. PHILLIPS, INC.
STOUGHTON, MASS.

Russell Opderbeck, Executive Vp, Athletic Institute for the past 5 years returns to his home town December 1 to assume active management with his co-partner of the Brewster (Mass.) GC . . . Opderbeck and Oren C. Smith, pro-manager of the club bought the property . . . Plans for coming year include free golf instruction for the lower Cape Cod school physical education departments, junior tournaments, adult handicap tournaments and organization of a twilight league . . . Also plan sending a team of youngsters to the USJCC National Junior Amateur next year . . . Mass. is one of the few states who have not sent a team to the Jaycee national.

Llanerch CC (Philadelphia district) jubilates on Marty Lyons' 25th anniversary as club's pro . . . Renew Marty's contract with increased figures and give Mrs. Lyons a present . . . Great party at Meridian Hills CC, Indianapolis, Ind., where Indiana GA staged first annual Senior-Junior match with 16 teams, each of one
senior and one junior... That's something worth extensive adoption by clubs and associations... Hawaiian PGA in strong promotion with six-week public clinic at Red Russell's Salt Lake new Milton Reach patent course... Martin Matison, golf mfgs,' representative at Honolulu says pros are lining up on this and other promotion plans so they may have some results that will show the pros on the mainland how to create a golf boom... Willie Hoare, now 73, and in wheelchair for 16 years, now at Detroit Hotel, St. Petersburg, Fla. ... Former pro and salesman still battling arthritis and ticker trouble valiantly.

Ford Frick, pres. of National Baseball league and St. Andrews GC, Alexander Halliday, son-in-law of John Reid, founder of St. Andrews; and John Reid II, unveil plaque on site of first hole of original St. Andrews course at Yonkers, N. Y.... That first hole of the oldest existing golf club in U.S. was part of the 6-hole course established in 1888... It's now on grounds of Alexander Smith & Sons carpet factory... Gerald Dutra, son of Olin and Gladys, married to Susan Feltman... Kids on honeymoon visit to Papa and Mama Dutra at Mexico City.

Club officials and green chairmen who happen to see impressive book of proceedings of 1950 Turf Field day at University of California, Los Angeles, bound to get pretty good idea of value to clubs of sending course supt.s to this sort of turf conference... One reason for those fine, well-groomed tees at Minikahda this summer was that Gordon Brinkworth had leaf sweepers run over them once a week... Another interesting bit of grooming was patterns of raking in sand trap worked out by artistic genius on the crew.

Big day for Leo Diegel staged by El Rio G&CC, Tuscon, Ariz., where Leo was pro before illness retired him... Dr. Fred Medlin, Hi Corbett, Pro Ricki Rarick, Mgr. Eddie Fladoos, Lem White and Mac Beaudry sparkplugged the party which began at breakfast, filled in at golf and finished with dinner... Tough thing was that Leo couldn't be there... Pals at the club where the lovable Leo served for 6 years sent him their cordial greetings... On a check... You can write Leo at home of his sister-in-law, Mrs. George Lovejoy, 839 N. Rose st., Burbank, Calif. ... He'd sure enjoy hearing from his old playmates... Get busy with that pen and stamp.

We've noticed at the Masters, the National Open, the PGA, the National Amateur and Tam O'Shanter tournaments this year that the short holes gave players most trouble and the gallery most excitement... But they sure are eased by heavy watering.

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A product of
THE GOODYEAR TIRE
& RUBBER COMPANY
"The Greatest Name in Rubber."

Thanks to you Pros and to your golfers for the tremendous acceptance of this new product during the past year.

Our aim is to produce $1,000 to $4,000 extra profit each year for every golf pro in America.

It is there for you if you go after it.

CSI SALES CO.
536 Terminal Tower
CLEVELAND 13, OHIO

SPECIFY GOODWIN GRIPS
on your 1951 clubs.
Lady Burke receives the FASHION ACADEMY AWARD for 1951!

A Burke Fashion-First to boost your club sales!

It's a new honor for the sales leader as Lady Burke Clubs receive the Fashion Academy Gold Medal Award for 1951. Designed especially for lady golfers, everything about these 1951 Lady Burkes assures player enthusiasm...and increased sales! Finest quality in specially turned heads on the woods, specially forged heads on the irons, small diameter shafts, and non-slip cork and rubber grips in fashionable Lipstick Red make Lady Burkes the outstanding favorites of America's women golfers.

The Christmas season is a natural for Lady Burke sales. Order now for high-volume Christmas gift and "winter vacation" selling.

BURKE’S NEW PRO ONLY Punchirons

Styled for new sales records, the 1951 Burke PUNCHIRONS with all new dies are the finest clubs we've ever built. Order yours NOW! Sold only in PRO SHOPS!
Turf Round-up of 1950

By FRED V. GRAU

Director, USGA Green Section

The season just ending has been kind to most turf superintendents. Abnormally cool weather with persistent fogs in some coastal areas, has marked 1950 as an unusual season in contrast to the near-tropical weather of the last two years (which also was unusual). There were fewer complaints, but more letters, in the Green Section office than in any previous year within our recollection. The spirit which seemed to pervade the areas of turf and those who are responsible for them was one of OPTIMISM! Nearly everyone felt "At last we're getting somewhere." As this piece is being written the fall of Communist Korea is an actuality and the Reds are on the run. This news has generated great optimism for all things in spite of the sacrifices that we know lie ahead of us. No sacrifice is too great when Freedom is at stake.

Learn To Tighten Belts

Before we analyze the events in 1950 let each of us solemnly pledge to practice utmost economy in all things relating to Turf Management. Few are so naive to believe that we can continue to enjoy unrestricted use of materials important to an all-out effort. Perhaps that all-out effort may not be required but, to be forewarned and forearmed can hardly be considered a crime. Let us, therefore, practice economy voluntarily before it is required of us. But let us learn to distinguish between real and false economy. Here are a few pertinent suggestions:

1. See that maintenance equipment is in good order; get new equipment if it is needed. This is sound economy. Most important items are tractors, trucks, mowers, aerating tools.

2. Build a generous nursery of the best improved grasses which are adapted to your area, and which are tops in drought tolerance and disease resistance. Water and fungicides may be at a terrific premium within our time.

3. Learn how to control weeds economically. Avoid as you would the plague the over-priced herbicides. Remember that there are low-cost methods and materials backed by authentic research.

4. Learn how to fertilize economically. When controls come, the superintendent who has lost the knack of using ordinary grades of dry fertilizer may be "over a barrel." Fertilizers in solution seem to be "over-priced" out of proportion to their value.

5. Above everything else learn how to save all the rainfall you can! In Peace or War nothing is so precious as WATER!! Most golf courses are on sloping land. Runoff is heavy when soils are compact and turf is thin. A porous soil, made so by cultivating turf below the surface, is the perfect sponge. It is our belief that steel for machines that cultivate turf soils for saving water should be put on a par with steel for farm machinery that is designed for the same purpose on pastures and other grasslands. Saving water and reducing erosion does not stop at the fence line between a corn field and a golf course. The benefits of such a steel allocation program would mean little to the total steel demands but would mean much to turf and to the national economy.

6. Saving labor already has been forced upon us. Golf courses that had lots of hand labor built into them are in a bad way. The 18-hole public courses with no sand traps that can operate with two men and a boy are smiling contentedly. It seems that we learn slowly!

7. Learn to grow good greens without adding top-dressing! Some greenkeepers have done this for 10 to 15 years. Their greens are excellent by every standard. Some 18-hole courses top-dress 6 to 8 times a season at $400 to $500 per. Some superintendents top-dress with material in the green which is left on the surface after aerifying. There is no standard — it is up to each individual to do the best he can.

8. Learn to produce good turf with less seed! A cemetery man in Cincinnati produced good Merion bluegrass turf in one year on subsoil with 100 pounds of seed
on 14 acres. Less seed is possible if it is
good seed. It takes more than bushel
weight or mechanical purity to be good
seed! It takes genetic background and a
record of performance. Avoid prepared
seed mixtures which contain redtop, rye-
grass, timothy. All experiments show
that these three bandit grasses are detri-
mental to the good seed in the mixture.
Let us hope that no true seedsmen ever
will profane the superior turf grasses by
mixing them with these thugs!

9. Learn how and when to make "fool-
proof" plantings of the truly superior
vegetative grasses so that they require no
labor to "baby them" while they get start-
ed. The 2-inch plugs seems to be most
economical and nearly foolproof. They
have been used successfully to returf a
one-shot tee while it was in constant use.

WANTED
A sturdy inexpensive machine
which can be used for the rapid,
economical lifting and introduction
of 2-inch plugs of superior creeping
grasses into established turf without
taking the area out of play and with
virtually no inconvenience to the
players.

LIBERAL REWARD
The reward will be the satisfaction
of having contributed to the further
development and the more econom-
ic maintenance of Better Turf.

10. Last but not least, in this admit-
tedly incomplete list of suggestions is
this: "Get on someone's research team
and help those scientific men who serve
you to test their findings in a practical
manner." It makes little difference whose
team you are on. Learn to release those
"Secrets" for the benefit of mankind. Sec-
rets in greenkeeping are about as useful
as Communism in a free America. Learn,
also, to tell about your experiences, your
special machines and devices; take pic-
tures and write about them. Others need
to know some of the things you have
learned. The splendid thing about knowl-
edge is that "the more you give the more
you have."

Turf Research in the U.S.
The USGA Green Section's TURF RE-
VIEW, published in September 1950, is an
up-to-date compilation of research proj-
ects, research workers, available publica-
tions, financial support and other pertinent
data from 18 cooperating experiment
stations. This booklet fulfills a long-felt
need in helping to coordinate research
work in turf and to introduce turf work-
ers to one another—at least on paper. It
was financed by the USGA and free copies
were mailed to all 48 experiment stations
regardless of their activity in turf work,
to all golf associations, to all greenkeep-
ing superintendents, to all
USGA committee members, to foreign
cooperators and to those firms, who to our
knowledge, are contributing financially to
cooperative turf research. The few re-
main ing copies will be sold at $1.00 each,
postage free, on a first-come, first served
basis, to help defray publishing costs and
to insure a revision for 1951.

Needless to say, cooperative turf re-
search in the United States reaunched an
time high in 1950. The expended post-
turf research fellowship program
launched by the Green Section and sev-
eral state experiment stations in 1945
has borne rich fruit. These men have re-
ceived degrees in some phase of agron-
omic research which has benefited turf
directly:

Dr. James R. Watson, Jr., Penn State,
now engaged in teaching and turf re-
search at College Station, Texas. Dr.
Ethan Holt, Purdue, now engaged in pas-
ture work at College Station, Texas. Ed
Roach, Masters degree from University of
California, Los Angeles, now greenkeep-
ing superintendent at Rio Hondo. Dr. Wil-
li Skrdla, Purdue, in pasture and turf
work at Middleburg, Virginia, for V.F.I.
Dr. William Daniel, Michi gan State,
now directing turf research and
extension at Purdue for M.R.T.F. Dr.
Marvin H. Ferguson, University of Mary-
land, now Agronomist In Charge of Re-
search for USGA Green Section. Don
Lakes, Masters degree from Purdue, now
on a golf course at Lincoln, Nebraska. Dr.
Richard Davis, Purdue, now at Ohio State
where he is engaged in Turf and pasture
research. Ian Forbes, Jr., Masters degree
from University of Maryland, now working
on his Ph. D. with the USDA. Alva
Niles, Masters degree from Oklahoma
A & M.

Shortly after this piece has been pub-
lished, Penn State will have turned out
another Ph. D., L. Neal Wright of Okla-
ahoma. Another Ph. D. "soon-to-be" is B.
Robinson, who is working under Dr.
G. W. Burton at Tifton, Georgia.

The effect of these men and their splen-
did training on turf work over the United
States is tremendous. As they step into
positions of trust and responsibility the
continued impartial search for truth will
be assured. We are proud to have had a
part in this program of Better Turf for
America and can only hope that support
(moral and financial) for these fellow-
ships will continue to grow. At this
writing one seed grower in Oregon is con-
sidering establishing the second $6,000