

**IT'S HERE!**

**IT'S NEW!**

**THE REVOLUTIONARY**

# **Paintless-Cover**

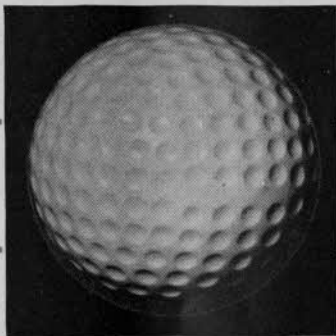
**GOLF BALL**

**FOR DRIVING RANGES**

Exactly what the name implies—its amazing cover *never needs painting* to maintain its cover-deep whiteness under heavy use.

A revolutionary cover that not only is paintless but unusually *tough* to withstand continuous punishment of careless players.

Saves hundreds of hours of ball painting labor — saves painting material — cuts ball inventory.



Unaffected by prolonged exposure to baking sun, soaking rains and mud. Boil it and leave it in the sun—again and again—and see!

Highest quality range ball construction from core to its paintless cover which is "welded" into the winding—never loosens.

Tested for over a year under the most severe playing, weather and range operating conditions.

**A FINE "CLICK" — EASILY WASHED — RESISTS MUD AND GRASS STAINS**

An amazing new development in cover material by one of the foremost range ball manufacturers. The Paintless-Cover Golf Ball will bring a higher standard of performance to your players and the utmost in golf ball economy to range operators.



**FOR MINIATURE GOLF COURSES**

**PAINTLESS-COVER GOLF BALLS**

*in Four Brilliant Bleach-proof Colors:*

**RED - GREEN - YELLOW - BLUE**

**Write — today — for literature and prices.**

**GOLF PROFESSIONALS DRIVING RANGE EQUIPMENT CO.**

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# How Orinda Country Club

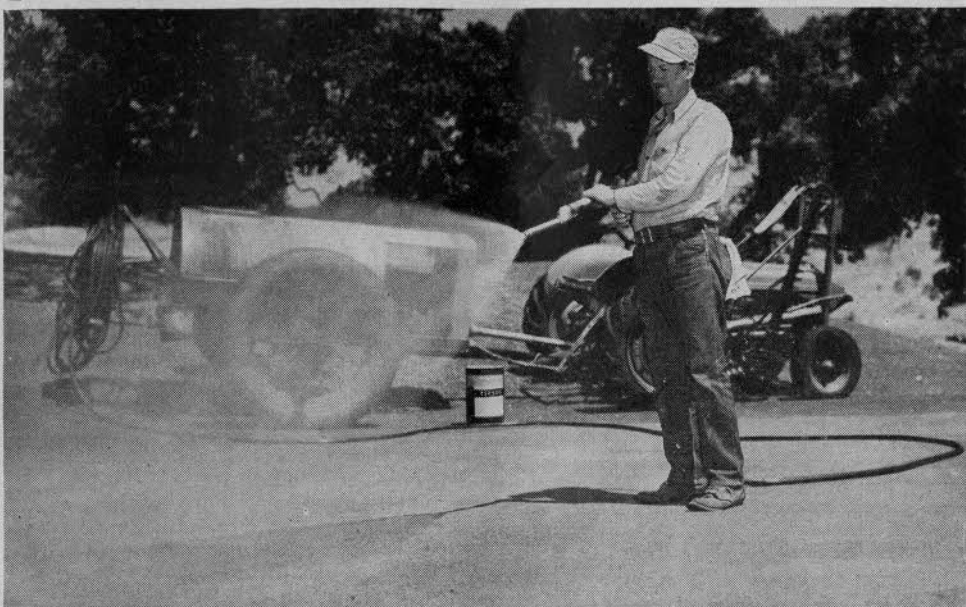
**READY TO STRIKE** at any time, fungous diseases are especially dangerous to greens during hot, humid weather. Read how Elmer Border, Greenkeeper of Orinda Country Club, Oakland, Calif., keeps brown patch fully under control.

*This picture story is another in a series of "experience reports" from well-known golf courses coast to coast.*



**FINE PUTTING SURFACES**, as on the 15th green at Orinda, need regular spraying with "Tersan" to knock out brown patch and other fungous diseases. "The main reason I use 'Tersan' is because of its safety," says Mr. Border. "Even the most inexperienced workman can use it without burning the grass, in any kind of weather."

# protects its greens from disease



"EASE IN HANDLING 'TERSAN' is another reason why I like it," Mr. Border states. "I've used 'Tersan' and other Du Pont fungicides since 1928, and I've found them economical and highly satisfactory in every respect." Here George Rasmussen of the Orinda staff gives the 2nd green another regular spraying with "Tersan."



TERSAN, SEMESAN, and Special SEMESAN are registered trademarks of E. I. du Pont de Nemours & Co. (Inc.)

"Tersan" mixes easily and quickly with water ... saves time and trouble. The Orinda Club uses a high-pressure sprayer for swift, safe coverage. "Tersan" needs no wetting-in—will not shock, yellow or retard growth.

Control Dollar Spot with Du Pont F-531, a highly effective cadmium fungicide. Also controls green scum (algae) and pink patch. Economical, safe, easy to use.

"Semesan" and Special "Semesan"—for those who prefer mercurial fungicides.

★ ★ ★

Ask about these products at the National Turf Conference in Boston, February 6-10. Booth No. 55.



## Turf Fungicides



BETTER THINGS FOR BETTER LIVING . . . THROUGH CHEMISTRY  
January, 1950

is well worth pros' attention. There could be one hell of an argument against the book's statement regarding the "conclusive" case for "avoidance of hiring a professional to teach school classes" but not having won an argument with a woman yet we won't go into details. The book maintains the pro is not trained in group instruction and that "it is a commonly admitted fact that the methods used in teaching golf have not yet been thoroughly examined, tested, and revised in accordance with sound educative principles."

The fact is that for the past 15 years pros have been doing considerable group training at clubs, schools and in YMCAs and YWCAs and have developed group instruction methods that have been effective in a rather difficult sport technique to a greater extent than most group training methods of P.E. teachers in athletic activities and much easier to learn. Unfortunately though, the P.E. people and the pros haven't done much comparing of information on an organization level so it's not be wondered that Betty and Ellen apparently are not cognizant of the group instruction work of such successful teachers as Jack Fox, Joe Novak and Wayne Timberman, to name a few standouts in this phase of instruction.

Criticism of failure to consider golf instruction in "accordance with sound educative methods" is not entirely valid when the jobs done by the Minnesota PGA in collaboration with the University of Minnesota and by the Michigan PGA on its motion picture analysis are known. However, as GOLFDOM has repeatedly pointed out, until the pros collectively do as the greenkeepers have done in joint study with practical and theoretical college authorities, there will continue to be a popular belief that golf instruction is too much guesswork. The rap is worse than results justify and could be eased if the PGA would balance its educational budget with the tournament bureau expense. Strange thing about this neglect is that annual lesson income of pros is many times the tournament purses, reaches far more people than witness tournaments and is the biggest feeder of new club sales. Tournament promotion has an important place in pro golf but not to the extent that the PGA budget for study of teaching should suffer.

Whether or not pros are teaching school classes they'll find this Hicks-Griffin book well worth reading as a close-up of the physical educator's slant on teaching.

## 1950 Tournament Schedule

### JANUARY

- 6-9 Los Angeles Open, Riviera CC, Pacific Palisades, Calif.
- 13-15 Bing Crosby International Pro-Amateur Invitation, Cypress Point CC, Monterey Peninsula CC, Pebble Beach GC, Del Monte, Calif.
- 19-23 Long Beach (Calif.) Open Invitation, Lakewood CC.
- 24-29 18th Annual Helen Lee Doherty Tournament for Women, Miami, Fla.
- 26-29 Phoenix (Ariz.) CC, Open Inv.

### FEBRUARY

- 2-5 Tucson (Ariz.) Open Inv., El Rio G&CC
- 9-12 Texas Open, Brackenridge Park GC and Ft. Sam Houston GC, San Antonio.
- 13-18 National Championship of Golf Club Champions, St. Augustine (Fla.) Links.
- 16-19 Rio Grande Valley Open Invitation, Harlingen (Tex.) Municipal GC.
- 21-26 Mixed Foursome, Open, Dubsdread CC, Orlando, Fla.
- 23-26 Houston (Tex.) Open Inv., Pine Forest CC.

### MARCH

- 2-5 St. Petersburg (Fla.) Open Inv., Lakewood CC.
- 7 La Gorce CC, Pro-Amateur Inv., Miami Beach, Fla.
- 9-12 Miami Beach (Fla.) Open Inv., Normandy Isle and Bay Shore GC.
- 13-15 Seminole CC, Pro-Amateur Inv., Palm Beach, Fla.
- 16-19 11th Annual Women's Titleholders Open, Augusta (Ga.) CC.
- 17-20 Jacksonville (Fla.) Open Inv., Municipal GC.
- 22 Aiken (S.C.) Pro-Amateur Inv., Palmetto GC.
- 23-26 Greensboro (N.C.) Open Inv., Sedgfield CC.
- 30-Apr. 2 Wilmington (N.C.) Open Inv., Cape Fear CC.

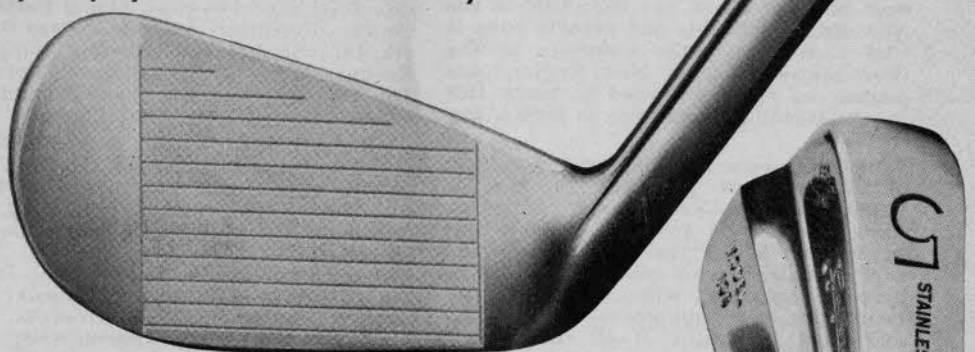
### APRIL

- 6-9 Masters' Augusta (Ga.) National GC.
- 17-22 50th Annual North and South Invitation Amateur Championship.
- 24-29 48th North and South Invitation Championship for Women.



# YOU'LL LIKE GOLFCRAFT'S NEW PRO PROFIT LINE - MODEL 109

*There's new power and precision performance in the 1950 PRO-ZONE advanced design that will score better for your players ... and better for your sales.*



## PRO-ZONE 109 TRU-GOOSE IRONS

The PRO-ZONE iron blade for 1950 is a honey. This newly designed model of the famous Tru-Goose is compact without over-doing it—it's just right. In stainless steel, its weight distribution gives that solid-hit feel for distance and control. Face is sand-blasted. Beautifully made from tip to toe. Write for complete details — today.



*Golfcraft* Inc.  
MAKERS OF FINE GOLF CLUBS  
1700 W. Hubbard St., Chicago 22, Ill.

National Distributors for:  
BURTON GOLF BAGS • ADJUSTA GOLF CARTS

PRO-ZONE Clubs are precision-made in the world's Largest, Most Modern Plant devoted exclusively to Golf Club Manufacture.

# National Turf Conference, Show To Be Outstanding Event

The 21st National Turf Conference and Show of the National Greenkeeping Superintendents Assn. opens February 6 at Hotel Statler, Boston, Mass., and runs through February 10. This marks the first time the Show has been held in the New England States and reports have it Phil Cassidy and the members of the Greenkeepers Club of New England are leaving no stone unturned to make this the outstanding conference in NGSA history.

1949 has been a trying year for most of the nation's greenkeepers and as NGSA president Carl Bretzlaff points out, this annual event provides the one real opportunity in the year for greenkeeping superintendents and other turf men to become acquainted with new ideas, new techniques, new equipment and supplies and most important of all to compare notes with fellow greenkeepers across the nation. Carl says, "God gave no man the ability to excel in all things. The combined observations, ideas and experiences of many are required to give each man the knowledge he could never obtain by himself. Progress cannot be achieved by just one man; it requires the intelligence and effort of many men.

"Greenkeeping superintendents are—and for some time have been—making a sincere effort to help one another in their common objective of better turf for better golf. Clubs and their officers have an interest in this too and their cooperation in enabling superintendents to attend the National Conference and Show is essential to the attainment of this objective."

The Education program already in its final form offers those attending the best information obtainable on every phase of turf management and maintenance. The program is presented by chairman Ray Gerber and members of his Educational Committee who have been at work almost since the close of the 1949 meeting. Speakers chosen are authorities in their respective fields. Their subjects and the day they appear on the program are as follows:

Exhibitors will occupy the entire Ballroom Floor of the Statler and will show the latest in equipment and supplies. Many will be showing new and improved products for the first time. A tentative list of exhibitors and the products which

will be on display are listed below. (A complete listing with a brief summary on each exhibit will be carried in the February issue of GOLFDOM.)

**The American Agricultural Chemical Co., Fertilizer; American Liquid Fertilizer Co. Inc., Fertilizer; Associated Seed Growers, Inc., Seeds; C. K. Bradley, Supplies; Buckner Mfg. Co., Sprinkling Equipment; The Clapper Co., Equipment & supplies; W. A. Cleary Corp., Weed Controls.**

**The C. B. Dolge Co., Insecticides, herbicides; du Pont de Nemours & Co., Inc., Fungicides, weed killers; The Fate-Root-Heath Co., Mower sharpeners; Friend Mfg. Co., Sprayers; The Hardie Mfg. Co., Sprayers; Hyper-Humus Co., Hyper-Humus; Ideal Power Lawn Mower Co., Mowers; Jacobsen Mfg. Co.—Worthington Mower Co., Mowing equipment; Jari Products, Inc., Power scythe; Johns-Manville Corp., Cement pipe; Johnson Plastic Corp.; K. & N. Machine Works, Sod cutter; O. E. Linck Co. Inc., TAT Turf products.**

**John D. Lyons, Inc., Seed consultant; Mallinckrodt Chemical Works, Fungicides; McLain Brothers Co., Turf equipment; Modern Mfg. Co., Mower sharpener; Nelson Mfg. Co.—Rainbird Sprinkler Mfg. Co., Sprinkling equipment; Propulsion Engine Corp.—Roy E. Heffner Co., Rotary Mowers; Niagara Chemical Division, Fungicides; Roseman Mower Corp., Gang mowers.**

**Sawtelle Brothers, Turf equipment; The Sewerage Commission, Fertilizer; Skinner Irrigation Co., Irrigation equipment; Stumpp & Walter Co., Seed, turf supplies; S. W. Thompson, Aerifying equipment; Toro Mfg. Corp., Mowing equipment; West Point Lawn Products, Aerifier; R. E. Jarvis Co., Mowing equipment.**

In addition to the commercial exhibitors there will be several educational booths including Mass. PGA, Mass. Golf Assn., Greenkeepers Club of New England (the host group), University of Mass., and the Univ. of Rhode Island. These groups will show their relation to the turf interests and their method of cooperation toward better golf for all.

The Nominating Committee consisting of Chet Mendenhall, chairman, Jack Pahl, Clarence Wolfrom, Robert Mitchell, Elmer Corlett and Art Anderson have a slate of officers ready to present to the membership for election at the annual busi-

ness meeting following the educational program. Offices to be filled are: Pres., to serve one year; V-P, to serve one year; three directors, each to serve two years.

Nominations are: Pres.—Ray Gerber, Glen Oak CC, Glen Ellyn, Ill. Vice-Pres.—William H. Johnston, Griffith Park Municipal GC, Los Angeles, Norman Johnson, LaGrange (Ill.) CC. Directors—Phillip Cassidy, Weston Golf Club, Wes-

ton, Mass., John C. Price, Southern Hills CC, Tulsa, Okla., Horace C. Purdy, Toronto GC, Long Branch, Ontario, Canada, Albert Linkogel, Westwood CC, Clayton, Mo., John S. McCoy, Cincinnati CC, Cincinnati, Ohio, Leonard Strong, Saucon Valley CC, Bethlehem, Pa.

In addition to the above nominees, additional nominations for any office can be made from the floor at the proper time.

## Conference Educational Program

Wednesday, February 8, 1950

### MORNING SESSION

Chairman, Homer C. Darling  
Juniper Hills GC, Northboro, Mass.

**Superintendent's Management Attitude**—Herb Graffis, Editor, GOLFDOM.

**Selling Yourself to Your Club and Your Community**—W. G. Strathern, Waban, Mass.

**What Makes the Golf Course Outstanding**—Robert Bruce Harris, Golf Course Architect, Chicago, Ill.; Malcolm McLaren, Oakwood Club, Cleveland, Ohio; Samuel S. Mitchell, Pongapoag GC, Canton, Mass; Francis Ouimet.

**Turf Program in New Jersey**—G. H. Ahlgren and Ralph Engel, Rutgers University, New Brunswick, N.J.

### AFTERNOON SESSION

Chairman, Geoffrey Cornish  
Univ. of Mass., Amherst, Mass.

**The Role of Phosphorus in Turf Production**—Dr. Dale Sieling, Univ. of Mass., Amherst, Mass.

**The Use of Potash in Turf Development**—S. D. Gray, American Potash Institute, Washington, D. C.

**Practical Training for Turf Maintenance**—Prof. Lawrence Dickinson, Univ. of Mass., Amherst, Mass.

**Tips on Maintenance**—Dr. O. J. Noer, Milwaukee, Wisconsin.

**The Use and Mis-Use of Water on Turf**—Prof. H. B. Musser, Penn State College, State College, Pa.

**Question Box with the Experts**—(Experts to be appointed at Conference).

Thursday, February 9, 1950

### MORNING SESSION

Chairman, Phillip Cassidy  
Weston, Mass., GC

**Turf on Courses for Winter Play**—Henson Maples, Pinehurst C.C., Pinehurst, N.C.

**New Chemical Herbicides for Weeds and Grasses**—Clyde Bryant, Dow Chemical Company.

**The Behavior of Named Strains of Bent Grasses Under Actual Play**—William Glover, Fairfax CC, Fairfax, Va.

**Progress Report of Cooperative Fungicide Tests**—Dr. Thurston, Penn State College, State College, Pa.

**Crab Grass Control** (Panel discussion)  
Led by—Dr. J. A. DeFrance, Prof. H. B. Musser, Dr. Ralph E. Engel.

### AFTERNOON SESSION

Chairman, Jack Gormley  
Wolfert's Roost CC, Albany, N.Y.

**A Modern Fairway, Tee and Green Irrigation System**—C. E. Stewart, Consulting Irrigation Engineer, Chicago, Ill.

**Turf Maintenance at West Point Military Academy**—Theodore Glowa and Dennis Lavender, West Point, N.Y.

**Turf Research**—Dr. Fred V. Grau, USGA Green Section, Beltsville, Md.

**Remodeling and Renovating Greens**—William Mitchell, Danvers, Mass.

**Aerification of Greens and Fairways**—Marshall E. Farnham, Philadelphia CC, W. Conshohocken, Pa.

**The Tropical Earthworm and Its Control**—Dr. John C. Schread, Conn. Agricultural Experiment Station, New Haven.

# WEST POINT LAWN PRODUCTS AND FOR BETTER AERIFICATION OF GOLF For Better Aerification - FLEXI-PRESS\*



Marshall Farnham points out striking difference between ordinary aerification (shown at right) and aerification with Flexi-press (left side of picture). (Inset) Aerifier spoons equipped with Flexi-press.

Flexi-press is a remarkable new development in the search for better aerification methods. Very often the turf that most needs aerification is most severely marked by aerifying. Shallow-rooted turf lifts easily; an objectionable "lip" or "hinge" of torn grass is left when the spoon comes out of the ground. It's hard to smooth down these tufts, and generally the grass dies, leaving a brown spot around the hole. The Aerifier with Flexi-press provides safe aerification for the thin, shallow-rooted turf which most needs aerification.

Lifting of turf is eliminated because Flexi-press holds down turf right at the very edges of the hole made by the Aerifier spoon. Flexi-press is a flexible coil which attaches to each Aerifier spoon. As the spoon goes into the ground, the coil compresses, and an enlarged pad at the bottom of each coil exerts gentle pressure over a sufficient area so turf is not lifted.

## Cleaner

Flexi-press provides cleaner aerification too. When the soil core is ejected from the spoon it must pass through the wire spiral of the Flexi-press and is broken up. So the job of cleaning up the turf surface is considerably lessened when Flexi-press is used. There are no large cores of soil. However, the same amount of soil is brought up. Speed of operation is not effected. Deep cultivation is still obtained.

## Tested at Philadelphia CC

Much of the experimental work with Flexi-

press was done at the Spring Mill Course of the Philadelphia CC. Marshall Farnham, Superintendent, made the following statement about the improved aerification process:

"The striking difference between ordinary aerification and that with the Aerifier equipped with Flexi-press has been thoroughly demonstrated to me in numerous tests and demonstration work at our Spring Mill Course."

"It is my belief that insofar as possible maintenance operations on the golf course must be done in a manner which will not inconvenience the players. That factor of consideration for the golfers has heretofore limited the times when aerification could be done. The greatly improved operation of the Aerifier equipped with Flexi-press makes regular aerification practical as a part of the maintenance program."

## Fits Any Model Aerifier

Flexi-press is available in two sizes to fit inch or half-inch diameter spoons. It can be used on the Fairway-Green Aerifier as well as the new Green-Lawn model. For better aerification of fairways and tees as well as greens — use Flexi-press.

## Inexpensive

Initial cost of Flexi-press is low. Cadmium finish is rust-proof. Simple spring action; no parts to wear out. All Green-Lawn Model Aerifiers are equipped with Flexi-press. It is easy to install on the Fairway-Green Aerifier.

Ask your dealer for additional information about Flexi-press and the Green-Lawn Aerifier, or write to West Point Lawn Products, West Point, Pa. Both products will be exhibited at the National Turf Conference and Show in Boston.

*West Point Lawn Products*

*West Point, Pa.*



# ANNOUNCES TWO GREAT ADVANCES COURSES, LAWNS, LIMITED TURF AREAS For Easier Aerification - Power AERIFIER†



Joseph Valentine supervises use of Green-Lawn Aerifier at Merion GC.

Maneuverable — that's the outstanding feature of the new self-powered Aerifier. It's easy to get up on greens which were inaccessible for a tractor-powered implement. It's convenient for use on small turf areas; easy to handle in the closed-in spaces where trees or shrubbery or walks would make a tractor-powered implement totally impractical. Enough power for use on slopes, too.

Operation is simple — no special skill is needed to operate this machine. Speed is easy to adjust. It's properly balanced so spoons tilt out of ground when making turns. The Briggs and Stratton engine provides for more power than is actually needed.

## It Has Everything

The cultivating action, the deep penetration, the rapid operation which have been associated with the Aerifier are all here, incorporated into a compact, easy-to-handle machine. The benefits of aerifying are still the same; but now there is no marking of close-cut turf by tractor wheels, no lifting of turf because every power Aerifier is equipped with Flexi-press.

## Merion Golf Club Proving Ground

All greens on both the West Course and the East Course of the Merion Golf Club, Ardmore, Pa., were aerified with the G-L Aerifier. Joseph Valentine, Superintendent, reported:

"I can offer no higher recommendation of the power Aerifier than to say, that after trying the machine on the greens of our West Course, I was so pleased that I went ahead and performed the aerification operation on all the greens on our East Course, too.

"There is no tearing of the turf whatsoever as the new power Aerifier is equipped with Flexi-press. We have used as a top-dressing all the soil the machine brought to the surface. When the work is completed properly, the putting surface is not disturbed.

"Undoubtedly the hollow-tine forking performs a good job but it is a very expensive process. This self-powered Aerifier has penetrated better than three inches, and the cost of operation is only 50c per thousand square feet of turf.

"I am convinced that aerification with this machine is more completely satisfactory than any other method."

## G-L Aerifier Features

The Green-Lawn Aerifier cultivates a swath 20" wide.

There are five 18-inch diameter discs; 12 half-inch diameter spoons on each disc. Cultivation depth is adjustable.

The G-L Aerifier is equipped with pneumatic tires. 2½ h.p. engine provides plenty of power for use on slopes. Finger tip clutch control; easy speed adjustment; minimum of wearing parts.



Minimum of disturbance to the surface of green

# Local Pride Saves \$5,000 in Clubhouse Cost

By KENNETH S. LOWE

The Marquette (Mich.) G&CC new clubhouse, which stands on the crest of a small hill overlooking Lake Superior, had its grand opening in August, despite a lumber mill fire, a carpenters' strike and a flash flood—all of which threatened to postpone completion of the building indefinitely.

Ground for the building, described as one of the finest clubhouses in the northern midwest, was broken in mid-April. Shortly thereafter, fire consumed a local saw mill, destroying knotty pine planking that was earmarked for the clubhouse interior. Construction went ahead, however, the mill operators promising to replace lumber, which they donated to the club, without seriously delaying the work schedule.

In May, carpenters in the Marquette area walked off their jobs in a wage dispute. The tieup lasted four weeks, during which time all carpentry operations on the building were suspended. The union was awarded a pay increase, but the delay made it impossible to meet the July completion deadline for the clubhouse.

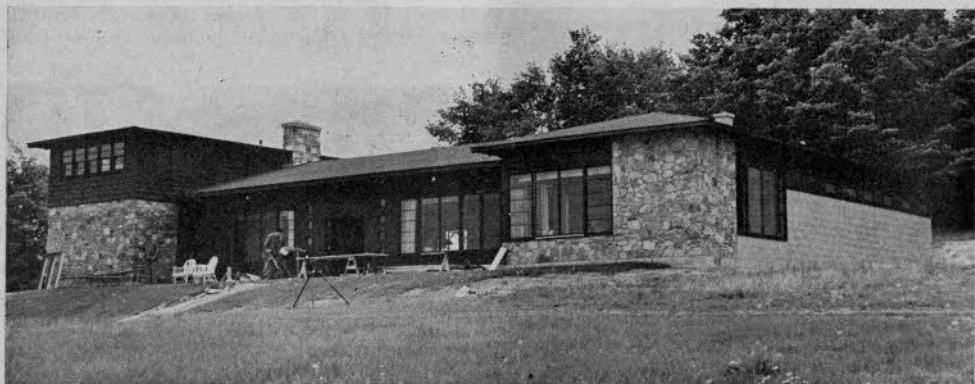
Shortly before the interior was completed, a flash flood accompanied one of the worst rainstorms ever experienced in

Marquette and vicinity and caused serious damage to the warehouse in which furniture for the club lounge was stored. Many storage items were swept away or ruined in the flood waters, but the equipment for the golf club somehow escaped undamaged.

Hampered by this series of unexpected developments, the formal opening of the building was delayed approximately one month, but was held in time for the annual women's club tournament. When the opening was staged on August 20, some 500 townspeople turned out for the event.

They saw an attractive building designed to reflect the rugged beauty of the northland. Perry L. Norton, of Brandt & Norton, Marquette, designers of the building, said the architectural scheme was designed to blend in with the particular natural setting of the building. Both the materials and the structural design itself were determined by the relation of the building to its surrounding landscape. A small second story, for instance, was placed above the east wing because that seemed to balance well with a grove of trees which runs behind the building.

In selecting the position of the building, consideration was also given to plans calling for an extension of the golf course and the building is so situated that it will



Workmen put finishing touches on Marquette's new clubhouse which faces the first tee and has the ninth green and Lake Superior in the background. Bar is in the corner at the right with men's lockerroom to the rear. Kitchen and women's lockerroom is in left room, below caretaker's apartment on second floor.