

# TORO

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National Amputee Golf Assn. to hold 9th championship at Heather Downs, Toledo, O., Aug. 17-18 . . . 1957 Ryder Cup matches, to be played when U.S. tournament schedule is in mothballs and football takes sport section space, will take American pros to a course that hasn't seen any of our pro visitors . . . It's Lindrick GC, near Worksop, 15 miles southeast of Sheffield in north central England . . . The course record is 65 held by J. A. Jacobs . . . Lou Warobick is new pro at Manitowoc, Wis., Branch River CC after prepping as assistant at Brynwood in Milwaukee for last four years . . . Blind golfers lost a great friend in Boris P. Steinberg, 37, who died in Hollywood, Fla., in November following a heart attack . . . After losing his sight in 1954, Mr. Steinberg continued to play and encouraged other blind persons to do likewise . . . For his efforts in this respect, he was cited by Illinois PGA.

Carl H. Anderson, Miami, Fla. architect, designed and is supervising construction of 18-hole course for Venezuelan government in Maracay, 60 miles from Caracas . . . Course to measure 7,000 yards from back tees . . . PGA members are lifting their eyebrows upon being told that selling of PGA-brand golf goods isn't PGA pro—only . . . A legal technicality is involved . . . Lionel Hebert re-

signs as Kahkwa CC, Erie, Pa. pro to make tournament tour with his brother, Jay.

J. Oliver Johnson, founder of Chicago seed company which bore his name and a pioneer in golf equipment and supply business in the Midwest, died in late November at his home in Oak Park, Ill. . . He founded the company more than 50 years ago and supplied seed and equipment that started many midwestern courses . . . In 1930 he was pres. of Medinah CC . . . His widow and a daughter, Mrs. Shirley Fortner, survive.

Wilbert M. Allen, pres. of Belmont Hills CC, Wheeling, W. Va., for 22 years, resigns to devote more time to his business enterprises . . . His successor is Lewis Martin, one of the area's top golfers . . . Riverview CC construction in Wichita, Ks., to get underway Feb. 1 . . . Plans call for building 18-hole course, swimming pool and clubhouse at cost of \$250,000 . . . Ladies Auxiliary of PGA Seniors starting its 10th year this month.

National Amputee Golf Assn's folder on handicapped golfers, designed to encourage non-playing amputees, is excellent motivator . . . It shows more than a dozen armless or legless players in action with descriptions of how they compensate to overcome their handicaps . . . Two of the amputees are pros . . . Mike Krak, one of the headliners of the tournament

circuit, has been named pro at Lakeview CC, Morgantown, W. Va. . . . Reuben (Scotty) Scott, for many years supt. of Detroit Municipal and charter member of Michigan and Border Cities supts' organization, died in October.

Construction of Santa Barbara, Calif. municipal course started on site of a onetime airport . . . Plans for new country club between Raleigh and Bartlett, Tenn., recently announced . . . Expect to have 18 holes in play in May . . . Nine-hole pitch and putt Meadowbrook course opened in Glendora, Calif. . . . Quinten Link, assistant at Green Ridge CC, Grand Rapids, has been named pro by Klinger Lake CC, Sturgis, Mich. . . . Nine-hole Hi-Desert G & CC, midway between Palm Springs and 29 Palms, Calif. opened . . . Located on a high plateau, the course was designed by Wm. P. Bell, Jr.

Los Angeles county's Puddingstone Dam Recreation project hits snag when State Park commission balks at buying land for golf course . . . County offers to build course at its expense, but as Santa Monica Evening Outlook points out, Commission's idea of recreation facilities doesn't go beyond picnic tables . . . Albany county ranchers block construction of Laramie, Wyo., golf course, civic center and swimming pool . . . Bond issue for these projects passed, but ranchers enjoined officials from selling bonds, claiming "recreational facilities" tag attached to them when they came up before voters was too vague to apprise taxpayers of what the money actually was spent for.

Michigan and Border Cities Supts. came early and stayed late when association's annual Xmas party was held at Warren Valley GC . . . Stanley R. Hill and Larry Walker were hosts to 105 supts. and their wives . . . Supts. drank to the health of Ford Goodrich, Flint GC and charter member of the Michigan group, who has retired after 40 years, and Mike Omelianoff, Detroit GC, who is going to take it easy after 34 years . . . Victor Swanson has been named successor to Goodrich.

Craig Wood, who reached the pinnacle in 1941 when he won the Open and Masters', is the latest addition to PGA's Hall of Fame . . . Writers and PGA officials gave him 87 votes, ranking him ahead of Jock Hutchison, Sr. (68), Denny Shute (53), Johnny Farrell (47), Fred McLeod (32) and Olin Dutra (31).

Douglas Burnett, formerly supt. at Chicago's North Shore CC, died in Clearwater, Fla., in November following a heart attack . . . Bergen (N.J.) County Board of Freeholders votes to build a course on county property in Rockleigh, appropriating \$25,000 to grade the land . . . Green Valley CC, Portsmouth, Mass., to open 9-holes May 1 with a second nine eventually to be added . . . Mercer County (N. J.) constructing public course on site of former airport.

Eayside (L. I.) Links to be operated in

1957 as a 9-hole course with part of the old layout being converted to homesites . . . New pro is Chuck Montfort, formerly a Forest Hill Range instructor . . . Fresh Meadows CC in Great Neck has bought two Bayside greens and possibly two more will be transplanted . . . Other greens will be shifted to Elmsford CC, Westchester, N.Y.

Greenwood CC signs 21-year lease for continued operation of club located in Riverdale, N. J. . . . \$100,000 will be spent in expanding facilities and installing air conditioning . . . Metropolitan Golf Writers Assoc. selects John Jay Hopkins, sponsor of International Golf Assn. and man behind America Cup series, for Gold Tee award for 1956 . . . Second nine at Mt. Pleasant CC, Boylston, Mass. to be completed in July . . . Westchester county golfers in N.Y. aim for \$10,000 fund to aid Joe Carney, Mahopac CC pro and father of six children, who is seriously ill.

Pres. Charles Margett, Glen Oaks CC, Great Neck, L. I. tells John M. Brennan of L. I. City Star-Journal that club's realty tax has increased from \$18,000 to \$55,000 in last five years . . . Members of Oxford CC, Springfield, Mass., recently took option on 500 acres in Agawam with idea of building new club with 18 holes.

Starmount Forest CC, Greensboro, N.C. building \$300,000 clubhouse to replace one destroyed by fire last May . . . Tulare (Calif.) CC members push building of clubhouse at course opened last Aug. 1 . . . Bob Baldock designed the 18 holes . . . 70 Juniors took advantage of free lessons offered by Pro John Tuttle, Pocatello (Ida.) Muny course last season . . . Plan to start \$500,000 expansion at Paradise Valley CC in Phoenix, Arizona, this month . . . New 9-hole public course for Edmore, Mich. started.

William J. Moran new pro at Plainfield (N. J.) CC, moving there from Baldock Hills CC, Irwin, Pa. . . . New Jersey State Police hold first annual golf tournament at Lakewood CC . . . Trooper John Hanuska grabbed the laurels with an 82 . . . Fraser M. Horn, general counsel of USGA since 1950, died in Southampton, N. Y., in November at age of 55 . . . He had been renominated for 1957 . . . His successor is William W. Forshay, New York attorney, who is expected to be elected for full term when USGA meets this month.

Wilson Sporting Goods Co. is now moving its warehouse stocks to a big new factory building west of Chicago. Manufacturing operations will be running in the new plant not later than May 1. Wilson sold its old building on N. Campbell ave., Chicago, to the J. A. Dubow Sporting Goods Manufacturing Co.

Teachers is financing the British counterpart of the PGA of America Seniors championship which the distilling company has financed for several years . . . The British event will be played at Fulwell, near London, in April . . . Henry Cotton will be 50 in January and will

(Continued on page 82)

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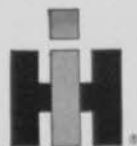
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**DEALER**

## Grau—Turf Roundup

(Continued from page 52)

tucky 31 are two main types, the latter apparently better suited to Eastern U.S. New selections are under study.

### Bent Performance Weighed

Among the bents there are certain favorites emerging. Cohanse (C-7) gets the nod where summer heat rules. The yellowish color may be a factor. Alex Rebin gets the tip of the hat for showing us what can be done with Cohanse in Oklahoma heat.

C-1 and C-19 blend (Arlington and Congressional) is a favorite over a wide area. Those who have been outstandingly successful may never change or at least not until something superior has been proven to them. Mismanagement (of water) has caused separation of the two grasses at widely scattered locations (Missouri, Virginia).

Pennlu is up and down, cussed and praised. Not all "Pennlu" from different nurseries is alike. The original piece that I saw with Charles Hallowell at LuLu Country Club in 1935 is still there and still beautiful. Some users (Hazletts, Cleveland, Pittsburgh; Orr, Culbertson Hills) are pleased.

Penncross bent seed eventually may replace many stolon bents. Critical item is seed supply. Price per pound must remain high (\$10 to \$12 or more) because of expensive planting, harvesting, processing. Fields must be replanted frequently with certified stolons of three varieties (one is Pennlu). Not much seed in sight yet — more in fall 1957.

Toronto (C-15) bent is tops in Chicago. It seems to like the climate and the management of midwestern superintendents.

Velvet bents hold almost exclusively "down East" where the Mitchells work and play. Too "touchy" for some supts.; others wouldn't have anything else.

Warm-season grasses rapidly are getting deserved recognition and are steadily moving into the fringes of cool-season grass regions. In this broad belt where the two great groups come together there lies a rich potential for research and observation. Long an advocate of "The Combination" I am convinced more than ever that the right blend has great possibilities.

Bermuda is No. 1 for turf because of its capacity for punishment and power of recovery. Hall's U-3 gets credit for developing Bermuda-consciousness deep into cool-season territory.

Tiflawn (57) rose and fell with an almost uncontrollable mat.

Tiffine (127) rose and fell with almost uncontrollable grain and seed heads.

Tifgreen (328) is now being tested on a practical scale. Seedheads are in evidence. Performance and range of adaptation have not been determined in actual use.

Ugandagrass, in use for nearly 50 years on various sports areas in Cairo, Egypt, including putting greens, has been successfully used in the U.S. for putting greens (Snyder, Ari-

zona; Tiller and Baldwin, Virginia), for tennis courts (Seabright, N.J., Germantown Cricket and Merion Cricket, Penna.), for tees (Shields, Md., Thomas, Penna.; many courses in Illinois and Virginia). It has promise as a "collargrass" around bent greens where crow-foot (goosegrass) and common Bermuda are problems. Texture is like bent. One course has planted 18 greens and 18 tees to Ugandagrass (Pinecrest, Va.). Ugandagrass is not the same as the old African Bermudas.

Magenisgrass (to be released by several experiment stations in spring, 1957) is now billed as Sunturf, for lawns. In tests it looks promising; should be tried in course nurseries.

Genetift, Ormond, Everglades, Pinehurst selection and others — each has its place, each is good in its own right. We have a big job ahead of us to sort out and evaluate the many strains for various uses.

Zoysias (common, Meyer, Emerald) have their place but have been over-promoted. New strains are being studied. Release in the future will be guided to indicate areas of adaptation and use. Meyer zoysia claims, performance and selling have been well documented by National Better Business Bureau, Kenneth B. Wilson, Pres. Early enthusiasm on Emerald seems to have cooled according to the few reports that have been made.

### Fertilizers Are Reviewed

Organic, (Milorganite, Agrinife) still going strong, supplemented by Ureaform fertilizers (Nitroform, Borden's 38, Uramite). Long lasting and "foolproofness" dominate this field. Quickly available soluble nitrogen fertilizers still in heavy demand (sulfate of ammonia, ammonium nitrate) because of what they can do quickly on sturdy grass.

Burning is feared by amateur users; welcomed by professional men when controlled. Ureaform goods will increase in stature and tonnage without greatly affecting other types. Most turf still is starved for N; won't be caught up for a long time.

### Soil Sterilants Grow in Use

Cyanamid, Dowfume, Vapam (newcomer) are being used more and more to assure

## Turfgrass Meetings

Jan. 17-19 — Mid-Atlantic Turfgrass Conference, Lord Baltimore Hotel, Baltimore, Md.

Jan. 21-24 — Rutgers One-Week Turf Course, Rutgers University, New Brunswick, N. J.

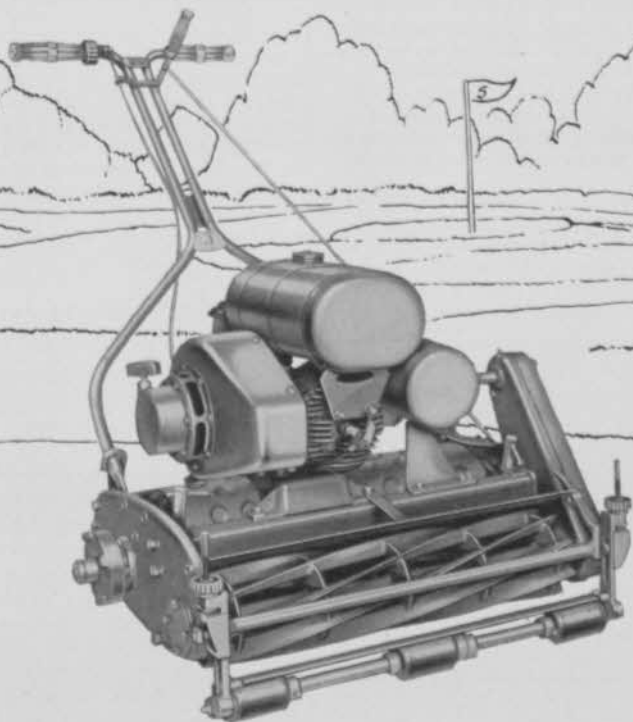
Feb. 10-15 — 28th National Turfgrass Conference & Show, GCSA, Kentucky Hotel, Louisville.

Feb. 25-28 — Cornell Turfgrass Conference, Cornell University, Ithaca, N. Y.

Feb. 27-Mar. 1 — Minnesota Turf Conference, Curtis Hotel, Minneapolis.

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low-cost weed control and purity of planted strains. Each material has its limitations. The user's choice depends on a number of factors. Use of these materials is increasing.

#### **Pests, Diseases and Insects**

Nematodes pushing *Curvularia* and *Poa annua* for No. 1 pest spot. If you can't identify your trouble call it nematodes. Maybe it is poor drainage but both need careful study to detect. Gene Nutter and associates in Florida really working hard on problem.

Diseases really are well under control. Frank Howard, Rhode Island, has done an outstanding job. Manufacturers are to be commended for research and development of broad-spectrum fungicides.

Insects no longer seem to hold terror for turf people who are informed. Sod webworm still is mistaken for dollarspot but then it probably always will be by a few. High-powered safe insecticides largely have eliminated insects as a major turf problem.

#### **Water Problems Serious**

Water conservation and proper use has risen to a high position on agenda of most turf-grass groups. It is serious in the Southwest. No area is free from the need for careful study of the subject.

We need "camel" grasses that can go long periods without a drink and still provide good playing surfaces. Soils need to be made and kept open to absorb water quickly. Excessive use of water degrades good turf, is wasteful, raises costs in several ways.

Golf groups everywhere could take the load off the superintendent's back by popularizing firm greens, depopularizing sloppy soft greens that will hold a low hard-hit brassie. Many troubles arise from excess water on areas not built to handle volume.

Research, extension, resident teaching, and the press can do much to awaken "water consciousness".

*Poa annua* will find its level with continued study and discussion. "If you can't lick 'em, jine 'em". Warm-season grasses will grow in popularity as we learn to use *poa* as the natural winter companion. It never needs reseeded, once you have it. Some research pointed this way is encouraging. Destruction of *poa* will be a long hard (losing?) battle. Some will succeed at the price of know-how, vigilance, and doing everything right. Water is one of the keys in the puzzle.

#### **Equipment Improvement Continues**

Equipment is improving steadily with keen competition and awareness of the demand for turf quality. A club is paying for good modern equipment whether or not it has bought it. Once it is bought there must be a man on the staff to keep it in top operating condition. The machine is only as good as its operator.

In the 1951 Roundup I mentioned "vacuum cleaners for fairways". This is still good. Ben Warren (Ill.) has one operating successfully on his turf nursery. Removing clippings will be a "must" where we have vigorous grasses

that respond to fertilizers, grasses that resist decay, and where we have eliminated insects which would grind up the clippings and mix them with the soil.

Extension Service facilities are paid for whether we use them or not. Extension services of the agricultural colleges are taking a more active part in turfgrass affairs. Extension service is there available for the asking at no cost.

You may say, "Our county agent doesn't know anything about greens". Maybe he doesn't — but the specialists are available at his request. Maybe he can help you in business management, in setting up a budget, in drafting reports, in setting up demonstrations, in getting speakers for meetings. Don't miss the chance to invite your county agent to work with you. He might welcome an invitation to your meetings.

### **Gala Opening for New Country Club of Florida**

Golf notables from the midwest and east attended the formal opening of the new Country Club of Florida, near Delray Beach, Dec. 1.

The course is on a 1250 acre tract which eventually will be sites of winter homes of a select group. Robert Bruce Harris designed an interesting, beautiful and testing course on rolling ground that once was a dairy farm. Charles Maddox built the course and Norman Johnson became its supt. while construction was in progress. Johnson has on his staff two first class supts., Matt Bezak, formerly in charge of Chicago district clubs, and Jerry Vanasse, on leave from a Connecticut club.

The course was brought into remarkably fine condition for a new course on opening day. Holes of the course are named for native birds.

Five residences for occupancy by members, and a charming small clubhouse have been completed.

Johnny Farrell of Baltusrol is professional. He is assisted by his sons, John jr. and Jimmy.

Carleton Blunt, Chicago attorney who is head of the Chick Evans Caddie Scholarship foundation, started the new private club off by financing it to the extent of approximately \$1 million.

### **Dawson Heads Mid-Atlantic**

Thomas W. Dawson, of the Country Club of Virginia, Richmond, has been elected pres. of the Mid-Atlantic Association of supts. Other new officers include Paul E. Weiss, Jr. Sparrows Point (Md.) CC, vp, and Francis Coupe, Washington G & CC, Arlington, Va., secy-treas.

## Noer — Turf Roundup

(Continued from page 53)

of 2,4-D, and 25 lbs. ammonium sulphate in 100 gals. of water. This amount covered an acre. He sprayed at 5-day intervals until weed kill was complete. St. Augustine grass was killed along with other fairway weeds. Fairways were fertilized generously and some re-seeding with common Bermudagrass seed was necessary in a few areas. Results were exceptionally good.

The trend back to the use of lead arsenate on golf greens, and on tees, continued to gain momentum. Besides suppressing worms, lead arsenate helps discourage and control poa annua and crab grass. Annual applications range from 5 to 15 lbs. per 1,000 sq. ft. Several have started resumption of lead arsenate usage with two spring applications about a month apart of 7 to 8 lbs. per 1,000 sq. ft. each time. They plan to make only one application in subsequent years.

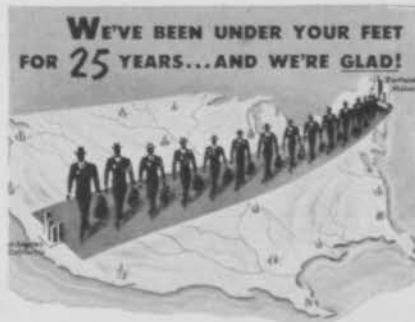
Some clubs are using lead arsenate on watered fairways again. This has been done mostly in the Midwest. Fairways here are better underfoot because of complete absence of worm casts, crab grass is less troublesome, and overall performance of grass better according to those who have charge of maintenance. Before deciding upon large scale fairway usage, the sensible plan is to make one or more trial applications on not to exceed one acre plots and be guided by results.

### Pre-Germination Promising

Pre-germination of seed prior to seeding has been promising and seems like a good way to hasten turf coverage with slow to germinate grasses like blue grass and fescue. As a result of fine results obtained by C. R. Keeley at Cartier Stadium Notre Dame University, when the field was renovated in 1955, the same procedure was adopted by Colonel R. P. Reed, Jr., when he seeded the field at Michie Stadium at the U. S. Military Academy. The seed used was equal parts Merion and Kentucky bluegrass. It was mixed with twice its volume of Vermiculite and kept moist for about five days at a 70 deg. F. Seedlings appeared within four days and there was coverage in less than a month's time. The field was playable by September and was used for all games on the home schedule.

One supt. in Connecticut used pre-germinated Merion bluegrass seed on a new nursery planting. Results were excellent. His comment was that he would never again use anything except pre-germinated seed.

Tests were made in Milwaukee by John Voight. One batch of seed was placed in a cloth bag and immersed in lukewarm water for 24 hours. The other lot was mixed with two times its volume of fine ground Vermiculite and kept moist for 96 hours at room temperature. Seed was mixed with Milorganite



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to facilitate handling and was seeded into well fertilized plots of ground. Both methods produced grass quicker than on check plots seeded with ordinary seed from the same lot.

Pre-germination of hulled common Bermudagrass seed is justified in any area where day or night temperatures are apt to be below 75 deg. F. Results at the Military Academy on Squad "C" Field mentioned previously support that contention. A good stand of grass was obtained quickly even though weather was cool — too cool for best results with Bermudagrass seed. Anybody interested in testing seeded Bermudagrass for temporary summer cover in the North should use pre-germinated seed.

#### Moisture Important Factor

For best results with any type seed it is best to mix the seed with two to three times its volume of fine ground Vermiculite, keeping mixture moist for four to five days at a temperature of about 70 deg. F. Then it should be mixed with three to four times its volume of sewage sludge fertilizer or similar material, to dry the mix — just before seeding. Contact of seed with soil is important and can be achieved by seeding with a disc seeder or by light rolling. Surface soil must be continuously damp or moist until the new seedlings become established. The use of pre-germinated seed seems like questionable practice on areas where water is not available. The young grass sprout dries. Then it withers and dies. If attempted in an experimental way on unwatered plots of small size, the pre-germinated seed should be covered lightly, first with soil and then with straw. Evidence up to now is against pre-germination unless water is available to insure rapid growth.

Pre-germination of quick germinating seeds such as the rye grasses and the bents hardly seems justified. Usually seedlings appear within a week's time, or sometimes less. Soaking seed over night is worth trying, but there would be no saving in time with the Vermiculite method. The only advantage might be in a spell of cool weather. Even that would seem like a remote possibility.

Iron chlorosis on greens continued to plague many supts. Those who learned to recognize symptoms and applied a little iron promptly did not lose turf. Others did, and blamed leaf spot or some other disease instead of recognizing the underlying cause. Iron chlorosis is aggravated by high pH, excessive amounts of soil phosphorus and by overwetness associated with high organic content of soil.

The best way to stop iron chlorosis quickly is to rely upon absorption through the leaves. It is the one time where foliar feeding is justified. Fortunately very little iron is needed, otherwise the chemical would burn the foliage due to the necessity of using a small quantity of water — just enough to deposit the iron on the surface of the leaf.

The amount of copperas (ferrous sulphate) need not exceed 2 ozs. per 1,000 sq. ft. The amount of water should be about 5 gals. per 1,000, or approximately 25 to 30 gals. on the average size green. Late afternoon is a good time to spray. Watering-in afterwards will nullify the beneficial effect of the iron.

The new chelated forms of iron stop chlorosis, but lasting effects have been disappointing. In that respect they have been no better than ferrous sulphate on plots in Colorado. Up to now these materials have not performed on grass like they have on citrus in Florida. Until one is developed that will persist, the supt. is forced to rely on foliar feeding with ferrous sulphate. This is much less expensive. In Colorado good results have been obtained with ferrous ammonium sulphate, which is readily available there as a by-product in the recovery of rare earth metals. It contains 7 percent nitrogen in the ammonia form in addition to soluble iron. Burning is more apt to occur with it than with ferrous sulphate. That is the report of several supts. who tried the ferrous ammonium sulphate on fairways. There is very little point in using iron on fairway turf except possibly in semi-arid regions where soil reaction is very high — in the range approaching pH 7.8 to pH 8.0 or above.

A question has been raised about the continuous use of iron. Some think the cumulative effect may be bad. Most soils contain 5 percent or more of iron, or 100,000 lbs. per acre to the plow depth. The 2-oz. rate is equivalent to 5 lbs. per acre, or about half that amount of actual iron. On that basis harm to grass from the use of iron seems unlikely. The British have used "Lawn Sand" for many years. It is a mixture of ammonium sulphate and ferrous sulphate in dry sand. Some of our fungicides contain iron as ferrous sulphate or as a chelate.

Thatch or mat is still troublesome and on the increase some places. Infrequent mowing, scalping rollers, and less frequent top-dressing are commonly blamed. In the spring of 1956 one club fertilized heavily after good growth had started. Then the green was aerified in four directions. The Verti-cut was used to break up the cores and was followed with a flexible steel mat. Mowing came next and was followed by a light topdressing of about 1/2 yd. to the green. Recovery was very rapid — in about one week. The green took water better all summer and localized dry spots were not troublesome.

#### "Perfect" Course

(Continued from page 28)

"One eyesore ruins an otherwise perfect picture," says the Tulsa supt "And, by the same token, sprinklers that interfere with play, shelters with roofs that are leaky



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and drinking fountains that don't work ruin the otherwise 'perfect disposition' of the golfer. We try to avoid these petty annoyances at Southern Hills because we're blessed with a membership that is aware of the importance of the supt. and his staff in maintaining the kind of course the membership wants."

In many respects, Price is probably a few years ahead of his time. In addition to enthusiastic support from the membership, he has the conscientious backing of his green committee. Much of this accord is attributed to the fact that John occasionally makes informal surveys to determine just what the golfers are thinking, and most of all, what they want. It all goes back to T. R. Baumgardner's earlier remark that a supt's job goes beyond those things pertaining only to soil and turf, an observation that Price apparently fully endorses.

## Burke to Defend Seniors' Title at 18th Annual Tournament

Pete Burke, Huntington, N. Y. pro who shot a 54-hole 215 to win the 1956 PGA Seniors championship, will be back to defend his title when the golfing elders gather in Dunedin, Fla., Jan. 21-27, for their 18th annual get-together. The tournament will run from the 25th through the 27th following Senior-Junior Pro-Pro and Senior Four Ball Best Ball tests. The Seniors' annual meeting will be held on the 22nd and the banquet on the following day.

The championship is again being sponsored by William Teacher & Son, Ltd., and the PGA. The Teacher's trophy will be awarded to the Seniors champion while the Alfred Bourne trophy will be awarded to the low scorer for the first 36 holes. The



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age limit for the Bourne trophy has been changed to 55. PGA pros who reach their 50th birthday by Jan. 25 are eligible for the Seniors' championship.

## PGA Golf Day Nets \$64,050 for National Golf Fund

Last year's National Golf Day, the first under sole sponsorship of PGA, rang up a husky net of \$64,050 for Natl. Golf Fund, and with it a high degree of optimism over opportunities and plans for substantially increasing participation in the event this year. Considering the work involved in carrying on the nationwide tournament at minimum expense, the PGA's first year results gave an accounting considerably better than generally was anticipated. Following the annual meeting of the National Golf Fund, Fred Riggin, pres., announced 1956 proceeds were to be distributed among the following golf organizations: Caddie Scholarships, Turf Research, Jaycee War Memorial Fund, PGA Educational Relief and Benevolent Funds, Possibilities Unlimited, AWVS, U. S. Blind Golfers' Assn., UVS and Babe Zaharius Cancer Fund. This year's promotion will start earlier, be more aggressive and will have strong support from the U. S. Junior Chamber of Commerce which has included the event in its 1957 activities program as a Jaycee participation project being suggested to 280,000 members.

## Michiana Superintendents Feast on Turf and Turkey

Michiana supts. and guests rolled capacity appetites into Notre Dame, Nov. 19, for the famous turkey dinner staged by Chet Keeley, the university's course and grounds supt. The group spent the afternoon observing the excellent results of Keeley's reconditioning of the football field. The field had been resurfaced with top soil treated with Dowfume MC-2 and planted 50-50 to Kentucky and Merion bluegrass in the spring of 1955. Plugs this fall revealed root growth from seven- to eight-ins. deep, with thick uniform turf that resisted the tough traffic of the season's play remarkably well. Ed Krause, N. D.'s athletic director, Mc'd the dinner-meeting.

## Jessop Heads Chicago Group

Sidney T. Jessop, Medinah CC, was reelected to a second term as pres. of Chicago Dist. Golf Association in December. Other officers of the organization, all of whom were reelected along with Jessop, include: Charles N. Eckstein, vp; Andrew W. Gatenbey, treas; and Stacy W. Osgood, secy.

## Grau Appointed Chief Agronomist by Nitro-Form Chemicals

Fred V. Grau, agronomist and GOLFDOM columnist, has been added to the staff of Nitro-Form Agricultural Chemicals, Inc., 92 Sunnyside ave., Woonsocket, R. I.

Probably best known for his contributions in the chemical control of weeds and development of grasses such as Ugandagrass, Merion Kentucky blue, Meyer Zoysia and U-3 Bermuda, Grau has been closely associated with the golf turf scene for more than 25 years. A University of Nebraska graduate, he received his PhD from the University of Maryland in 1935. He maintains an experimental nursery near College Park, Md.

Besides being a regular contributor to GOLFDOM, Grau has written numerous articles on turf for scientific and national publications. He holds memberships in the GCSA, American Society of Agronomy, American Assn. for the Advancement of Science and several turfgrass and crop improvement associations.

With Nitro-Form, Grau will serve as chief agronomist. He will be available for lectures and demonstrations for golf course supts.

## New Wilson Golf Umbrella

Wilson Sporting Goods Co. has added a new golf umbrella to its line. It features a non-conductive fiberglass shaft that will not warp, shrink or swell from moisture and Zelan-treated cotton element cloth, claimed to be the ultimate in water-repellent fabric. Available in red, black or luggage tan, the cloth design has golf clubs and the Wilson pride-mark pattern of two golf flags set in permanent white silk screen print.

## Attend Maintenance Clinic

More than 100 supts. from northeastern Illinois and northern Indiana attended a turf maintenance clinic in November at Elmhurst (Ill.) CC sponsored by Frandsen Bros., Grayslake, Ill., and Illinois Lawn Equipment, Inc. Orland Park, Ill. Most of the session was devoted to bringing the supts. up to date on methods of servicing Jacobsen mowers and Worthington tractor and gang mower equipment.

New distributors recently added by Toro Manufacturing Corp., Minneapolis, Minn., include: Howard Goldthwaite of Toro Turf & Supply Co., Atlanta, who will cover Georgia; and Gustine Sales & Service Co., Shreveport, which will service Louisiana and Bowie counties, Texas.

