

1951 TOURNAMENT SCHEDULE

FEBRUARY

1-4—Tucson Open, El Rio G & CC, Tucson, Arizona.

8-11—Texas Open, Brackenridge Park GC, San Antonio, Texas.

12-16—Annual Mixed Foursomes Tournament, Everglades Club, Palm Beach.

15-18—Rio Grande Valley Open, Harlingen, Municipal GC, Harlingen, Texas.

19-24—National Championship of Golf Club Champions, Ponce de Leon GC, St. Augustine, Fla.

20-25—International Mixed Two-Ball Tournament, Dubsread CC, Orlando, Fla.

22-25—Houston Open, (Club to be announced), Houston, Texas.

MARCH

1-4—St. Petersburg Open, Pasadena CC, (Club tentative), St. Petersburg, Florida.

5-9—South Florida Amateur, Palm Beach GC.,

6—La Gorce Pro-Amateur, La Gorce CC, Miami Beach, Florida.

8-11—Miami Beach Open, Normandy Isle GC, Miami Beach, Florida.

12-14—Seminole Pro-Amateur, Seminole CC, Palm Beach, Florida.

12-18—Seniors' U. S. Match Play Championship, Kenilworth Lodge CC, Sebring, Fla.

16-19—Jacksonville Open, Hyde Park CC, (Club tentative), Jacksonville, Florida.

17-17—Annual Amateur Four-Ball Inv., Miami (Fla.) CC.

21—Aiken Pro-Amateur, Palmetto GC, Aiken, S. C.

23-26—Greater Greensboro Open, (Club to be announced), Greensboro, N. C.

March 29-April 1—Wilmington Azalea Open, Cape Fear CC, Wilmington, N. C.

APRIL

5-8—Masters, Augusta National GC, Augusta, Georgia.

16-21—51st North and South Amateur, Pinehurst, N. C.

MAY

11-12—Walker Cup Matches, Birkdale GC, Birkdale, Southport, England.

21—British Amateur Championship, R. Porthcawl.

JUNE

14-16—USGA National Open, Oakland Hills CC, Birmingham, Mich.

18-24—Western Amateur Championship, South Bend, (Ind.) CC.

24-30—NCAA Championship, Ohio State University, Columbus.

June 27-July 3—National PGA Championship, Oakmont CC, Pittsburgh, Pa.

JULY

2—British Open Championship, R. Porthcawl.

9-14—USGA Amateur Public Links.

12-13—Western Seniors Championship, Edgewater GC, Chicago.

25-28—USGA Junior Amateur, University of Illinois GC, Champaign, Ill.

30-Aug. 1—National Lefthanders Championship, Tippecanoe CC, Youngstown, O.

31-Aug. 3—WGA Junior Championship, University of Iowa, Iowa City.

AUGUST

13-18—USJCC National Junior Amateur, Hope Valley CC, Durham, N. C.

20-25—USGA Women's Championship, Town & CC, St. Paul Minn.

SEPTEMBER

10-15—USGA National Amateur, Saucon Valley CC, Bethlehem, Pa.

Women's Tournament Schedule

JANUARY

5-7—Ponte Vedra Beach Women's Open.

18-21—Fifth Tampa Women's Open, Palma Ceia CC, Tampa.

23-28—Helen Lee Doherty Challenge Cup Tournament, Miami (Fla.) CC.

FEBRUARY

1-4—Sixth Women's International Four-Ball Tournament, Orange Brook CC, Hollywood.

27-Mar. 3—Twenty-second Women's Championship, Ormond Beach, GC.

MARCH

5-10—Twenty-third Women's Championship, St. Augustine (Fla.) Links.

15-18—Women's Titleholders Open, Augusta (Ga.) GC.

APRIL

23-28—North & South Women's Championship, Pinehurst, N. C.

JUNE

18—WWGA Open, Whitmarsh Valley CC, Philadelphia, Pa.

JULY

30—WWGA Amateur, Plum Hollow GC, Detroit.

13-17—USGA Girls' Junior.

20-25—USGA Women's Championship, Town & CC, St. Paul, Minn.

27—WWGA Junior Girls' Championship, Chicago dist. Club to be announced later.

SEPTEMBER

13-16—6th National Women's Open, Druid Hills CC, Atlanta, Ga.

Report on Southern Grasses

By CHAN W. BAKER

Greenkeeping in the South used to be a combination job, part greenkeeping, part fishing. Lately, however, most greenkeepers are 'way behind on their fishing. Today, greenkeeping is rapidly becoming a profession requiring year-round maintenance, and a year-round knowledge of grasses and golfers, and how to handle both. Players are demanding more greens and less alibis. The greenkeeper is accepting this task and obligation admirably. If he does not, he is simply out of a job.

The development and maintenance of better golf courses is not the only challenge in the south. All agriculture is doing wonderful things and doing them fast. Improved turf for home lawns, cemeteries and public playgrounds is a must where milder climates permit year-round activity. The Southern Seedsmen's Assn. recently made a substantial donation to the USGA Green Section for it realizes that research for better grasses benefits them as well. Turf improvement is progressing rapidly in the south and the greenkeeper is right out in front. Without the greenkeeper's help, however, I would not be able to make this report on grasses south of the Mason-Dixon line.

Bermuda grass is as southern as sunshine and is the object of the most study for putting greens and for turf generally. U-3 is proving the most cold resistant of the Bermudas and at the same time has many desirable advantages for use with cool-season grasses to provide year-round turf. It may be that further investigation will provide a strain which will retain its usefulness 12 months of the year. T-57 is giving a good account of itself in the southern half of the Gulf states and north Florida. The Hall strain is also in favor with many in this latitude. T-3, a Tifton selection, was mixed with T-57 for the new football field at Gainesville, Fla. For general all-around wear and tear, the T-57 seems to be the grass of the hour on turf which will receive the proper Bermuda maintenance.

In Florida the Bayshore (Gene-Tift-call it what you may) and the Everglades 3 developed at Belle Glade have both withstood extreme cold, with less damage than to other Bermudas. An increasing number of Florida putting greens are being planted with Bayshore, for they remain green throughout winter when intelligently maintained. Both this grass and Everglades 3 grow quite rapidly and there is some fear that they may grow too fast and outdo themselves. If this turns out to be the case it will simply be a matter of proper main-

tenance, just as it is with some of our more aggressive creeping bents. It is, however, a new innovation for some of the boys down here.

Seasonal Grass Change Questioned

It looks very much as if the tedious task of converting to winter grass and reconverting to Bermuda in the spring may soon be a thing of the past, especially in the deep south. It is going to be a matter of greenkeeping 12 months of the year whether the course is open or not. These new selections just do not lend themselves to abandonment during the summer. They have to be kept in playing condition right through the year in order to have the texture and turf quality desired.

Just as Bermuda is being tried out in northern latitudes beyond its accepted limits, the cool-season grasses are receiving extensive and exacting try-outs further and further south. Bent grass greens are possible in Miami at a price. Colonial bent sowed as a winter grass, over bermuda greens at Coral Gables, remained in the bermuda turf for well over three years. It never received any fungus control treatment or special assistance from the greenkeeper. Today the geographic and climatic limits are not as important as maintenance procedure and it is therefore difficult to evaluate any one grass in a given area without thorough trial under competent management.

Pensacola Bahia has been found wintering in North Carolina. Paragan Bahia, abandoned on experimental plots on southern airports, has taken over almost completely in every instance. Both were developed as pasture grasses but show considerable promise as permanent, economical turf grasses for roughs, airports, playgrounds and roadsides. Both are available from seed.

Centipede grass is one of our best low fertility grasses. It cannot stand the prosperity of regular feeding and if overfed invariably mats and runs itself out. Work at the University of Miami seems to indicate that perhaps a management program which will include removal of this existing runner growth may prove to be the answer in keeping this turf in good condition.

Centipede is very resistant to disease and wears well but is of little value in shade. It is not particular about the quantity or quality of the soil on which it is planted. Centipede seed can be produced in commercial quantities, but at present there is no seed available. Until the grower can be assured of a reasonable price for his seed,

he will not venture into this field of production, for unlike many other grasses from which seed is harvested, the off-season pasture value of Centipede is practically negligible.

Zoysias Show Promise

More and more interest is being centered in the Zoysias. No seed of *Zoysia matrella* is available. It seeds prolifically in south Florida, Puerto Rico and many of the islands of the West Indies. At the same time it winters in Connecticut, and two of the finest lawns in Springfield, Mass. are in *Zoysia matrella*. Some seed of the *Zoysia japonica* is available in commercial quantities this year. In tests conducted at the University of Miami, Coral Gables, Fla., the commercial imported seed was planted adjacent to domestic seed supplied by the Bureau of Plant Industry and it is difficult to distinguish one from the other. Whether the japonicas will prove climate-hardy for south Florida remains to be seen, for generally they are considered more cold-resistant than the matrellas. The japonica turf is somewhat coarser than matrella but still finer than Centipede. One strain of matrella grown in south Florida can be maintained at $\frac{1}{2}$ inch height of cut without damage. Commercial production of *Zoysia matrella* seed is already under way in south Florida, and as soon as some of the selections of *Zoysia japonica* are released by the Bureau of Plant Industry they will also be sent out for commercial seed production. So far this year the imported seed has been especially high quality and all lots released to date have been free from ergot and other seed-borne pests.

Until further research on harvesting methods or scarifying the seed have been conducted, a simple method of soaking the seed in wet sand for two or three weeks has overcome the slow germination bugaboo which handicapped the Zoysias in the past. They can now be germinated so as to have a good catch in 30 days. Unlike *Zoysia matrella*, the japonica makes a somewhat more loosely knit sod and it is expected that some of the cool-season grasses will permanently cohabit with it to provide the necessary year-round green turf so important to the South.

The Zoysias are extremely low in their fertility requirements and root deeply into the soil. They are our best southern shade grasses and have proven themselves to be 100% immune to chinchbug, Japanese beetle and most other pests which attack southern lawns.

We have not even cracked the surface on turf research in the south. However the flag is down, and we are off to a flying start in all departments. With men like Glenn Burton, Eddie Robinson, Jim Watson, Howard Sprague and V. T. Stoutemyer, we cannot miss. We have the challenge—watch us go!

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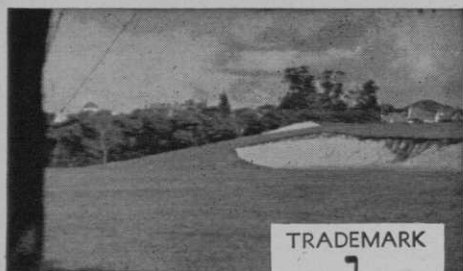
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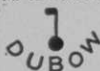
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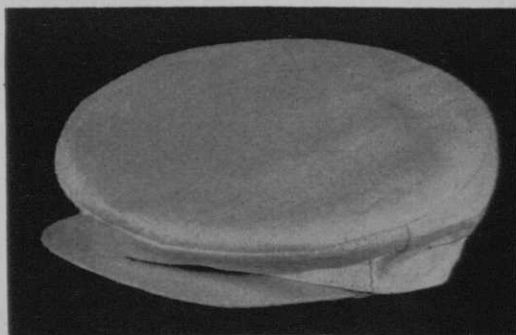
**Babe Watrous Beats Kid Hutch
for PGA Senior Title**

Al Watrous, 51, beat Jock Hutchison, 67, for the PGA Senior championship at Dunedin in extra distance after a tie at 142. Watrous, winning his second consecutive pro elders' championship got a comfortable 75 to add to his previous 69-73. Old Rocking Chair blew a fuse for Jock on the third round with an 81. Jock had whipped around like a kid for his 73-69 for the regulation route.

Some amazing golf was shot by the patriarchs in this merry annual event. Charley McKenna won Group Two (55-59) with 71-75—146, Eddie Williams with 70-77—147 won Group Three (60-64) and Jim Wilson led the Special Group (70 and older) with 80-81—161. Watrous and Hutchison, of course, won in their respective groups. Tom Clark at 73 was the oldest of a large field. The lively dean of Kansas City's Blue Hills strolled around the PGA National course in 89-88—177.

Hutchison and Bill Gordon paired with junior Bill Simpson to win the senior-junior best ball event with 67. The 69 of John Bird and James Cockburn won the seniors' best ball affair. In the 70-and-older group George Livingstone of Nashville's Bellemeade club got 80-82—162 to lose to dapper Grandpappy Wilson by a stroke and

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When you consider that most of the senior field is so busy working at golf they don't get much of a chance to play in the summer the scores in the PGA oldsters were great exhibits of the value of sound golf swings staying with fellows who learned right.

Sargent Carries Group Insurance at Pro Shop

Harold Sargent, pro at East Lake CC, Atlanta, Ga., always alert in adapting any idea from other businesses to pro department operation, now has employees of his department covered by group life insurance. It's a Travelers' Insurance Co. policy which gives straight life insurance coverage to the amount of \$3,000 each to employees. Sargent and his wife who, like many other pros' wives, has an important back-stage role in the operating of the pro department, also are covered by the group policy. The Sargents' policies are for \$5000 each.

Cost to Sargent is about \$20 a month. The cost of the group insurance is chargeable to business operating expense.

If employees leave Sargent they can convert their policies without medical examination. The policies are something

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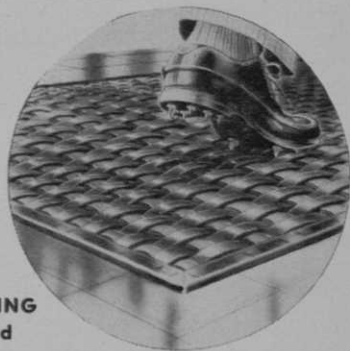
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that keep employees on the job with Sargent despite the growing competition from other employers. The policies also impress upon the shop employees that Sargent is genuinely interested in protecting them and their families.

Like other successful pros Sargent is keenly interested in the progress of his assistants and takes pride in his lads graduating into pro jobs of their own and handling these jobs competently. But while they're with him he wants the best they've got in them to give to the service of the club and believes that he also must give his best to his staff. The insurance represents another item of pro department operating expense which few club members realize is a substantial sum, but Sargent is convinced it's a sound business investment for him.

Golf Architects Elect Langford President

Wm. B. Langford, Chicago, was elected president, American Society of Golf Course Architects at the organization's 1951 annual meeting, held at Ponte Vedra, Fla. Wm. P. Bell, Pasadena, Calif., was elected vp, and Wm. F. Gordon, Doylestown, Pa., was elected sec.-treas. by the architects.



New officers of the American Society of Golf Course Architects. (L to R) William F. Gordon, sec'y., William B. Langford, pres., and William P. Bell, vice pres.

The Society has been seeking clarification of the government order prohibiting golf course construction in excess of \$5000 but no specific easing of the order has been forthcoming from Washington. However, the order as issued, permits considerable latitude in golf course construction and alteration as earth moving is not considered part of the cost. Use of new pipe, which is a critical material, can be eliminated by using non-critical old pipe.

In remodelling jobs the old pipe can be dug up and moved. The clubs' maintenance personnel can be used for the finished fertilizing and seeding. In this way the spirit and letter of the order are followed and changes made within costs allowed.

Fifth Texas Turf Conference at Texas A. & M., Feb. 12-14

The Texas Turf Assn. and the A. & M. College of Texas will be joint hosts to the Fifth Annual Texas Turf Conference on Feb. 12, 13, 14.

Everyone interested in turf management whether from Texas or any other state is cordially invited to attend the conference and share in the discussions.

Speakers on the conference schedule include: Glen Burton, Geneticist, USDA, Coastal Plains Exp. Station, Tifton, Ga.; O. J. Noer, Agronomist, Milwaukee Sewerage Commission, Milwaukee, Wis.; Howard B. Sprague, Dir. of Agri. Research, Texas Research Foundation, Renner, Texas; F. V. Grau, Dir., USGA Green Section, Beltsville, Md.; H. G. Johnson, Head, Dept. of Entomology, A. & M. College of Texas; Bud Moore, Semesan section, Du Pont de Nemours & Co., Ft. Worth, Texas; Dr. J. E. Adams, Head, Dept. of Agronomy, A. & M. College of Texas; R. D. Lewis, Dir., Texas Agri. Exp. Station, College Station, Texas; and Jim Watson, Asst. Prof. of Agronomy, A. & M. College of Texas.

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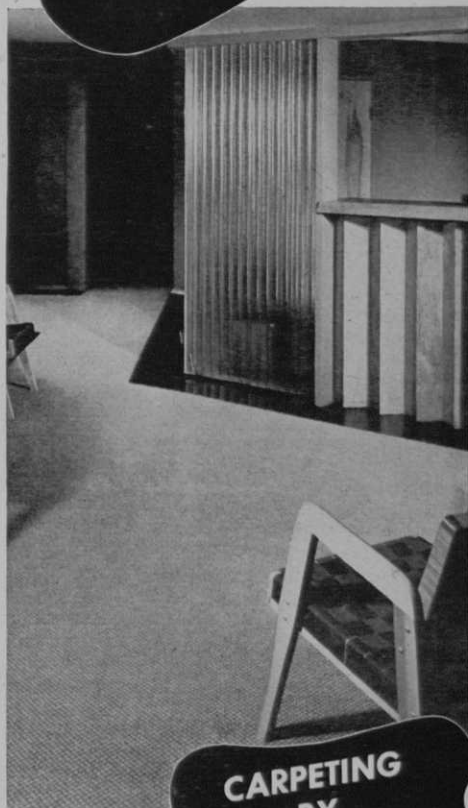
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Dates of Wash. State Meeting Changed to March 21, 22

Dates of the Fourth Annual Turf Conference to be held on the campus of the State College of Washington have been changed to March 21 and 22 to avoid conflict in dates with the Midwest conferences according to a recent announcement by E. G. Schaefer, Asst. Dean, College of Agriculture.

25th YEAR SEES NGS

(Continued from page 37)

by the many first ranking veteran greenkeepers in the large audience to be something that alone warranted convention expense inasmuch as it gave them a clear, elementary picture of how various chemicals extensively used in course maintenance worked on the plants and plant diseases. (For complete text of Ryker's paper turn to page 45).

The great extension in golf that had been caused by giving the game prominence in the public recreation program was outlined by Patrick J. (Packey) Walsh, golf supervisor of the Chicago Park District. Walsh detailed the increasingly high demands of public course golfers as something that was beginning to bring greenkeepers into higher public recognition than they'd ever had before. He told of the Chicago parks program of course alteration to bring their courses nearer to the private club standard. He expressed the opinion that the tax situation and the necessity of far more public golf facilities to care for young Americans who would learn golf through military installation recreation programs would produce a bigger demand for the services of first class superintendents of golf courses.

Colin Smith, supt., Shaker Heights CC, Cleveland, O., and Bruce Matthews, supt., Green Ridge CC, Grand Rapids, Mich., spoke on fairway turf maintenance, expressing agreement on the importance of liming and fertilizing by guidance of soil tests. Smith urged aerifying and told of improving turf by using about half the water he formerly used. He has mainly bent fairways.

Matthews recommended, also, a program of weed control to be completed with some seeding and fertilizing so good grass will take over promptly and give the weed control work a good starting chance for permanence.

Dr. Eric G. Sharvelle, associate pathologist, Purdue university, reported "Results of National Cooperative Turf Fungicide Tests," showing charts of test summaries on the screen. A full report of the two years of tests will be made available at the

Midwest Regional Turf Foundation meeting at Purdue in March. Sharvelle told of the tests so far being valuably "suggestive but not conclusive" and said that there was to be considerable extension of the tests this year. He also reported that putting greens had been constructed at Purdue so turf fungicide tests could be conducted under playing traffic instead of on experimental plots from which traffic was missing.

Alex Repin, supt., Tulsa (Okla.) CC gave a practical program of bent green maintenance in the south. He stressed thorough preparation of the soil so the greens would have a chance on soil of good physical structure. He related his successful procedures in fertilizing, top-dressing, mowing, watering, aeration and protection from diseases. He told of controlling invasion of Bermuda into the bent greens by spading out Bermuda deep around the bent greens and using tear gas for killing Bermuda remnants. He then sods the area with nursery turf which has a chance to hold its own against Bermuda. If the Bermuda isn't discouraged it will encroach at the rate of a foot a year.

Linus C. Palmer, supt. Kent County Parks, Grand Rapids, Mich., told of mosquitoes and flies being eliminated or controlled as pests to the extent that public patronage and enjoyment of parks under his management was tremendously increased. Palmer said he'd started the program after consultation with Profs. Hudson and McDaniel of Michigan State college and worked through various materials and methods until DDT dust at 3% strength for mosquito control and 5% strength in liquid for fly control was proving the most effective and least expensive control they had discovered. Cost is about \$1 per acre.

Dusting is done in early morning or early evening when mosquitoes are at their worst but wind is low and the dust gets a good drift. Mosquitoes are driven out of shrubbery by a nicotine spray. Dusting is done three times a year, although warm wet falls may require an additional dusting.

Palmer said that mosquitoes breed only in water and not in wet grass, therefore it's necessary to keep close control over the breeding places.

Continuing with the educational program Thurs. morning Chrm. Leonard Bloomquist, supt. Superior CC, Minneapolis, Minn., introduced Charles K. Hallowell, Agri. Ext. Rep., Penn State College, who reported observations and studies of golf turf made on his trip across southern United States into Mexico, up the west coast, in Canada and back across the northern states through the Midwest during the first six months of 1950. Hallowell

Full texts of NGS Educational Conference speeches will appear in the March and April issues of GOLFDOM

had high praise for greenkeepers visited who were doing outstanding jobs in turf management. He was especially impressed with the excellent bent greens found in Tucson, Ariz., in spite of the high temperatures. He reported on the excellent progress being made in turf management in California where greenkeepers are confronted with the heavy traffic of a hundred thousand rounds of golf per year and have to work with soils which are inclined to be heavy. The unique problem of trying to find the right combination of cool and warm season grasses is one that is receiving continual research and study.

He complimented the University of California at Los Angeles saying no college was better qualified to make contribution to turf than UCLA, being specially blessed with what he considered the ideal turf advisory committee — its membership encompassing representatives from every group not only interested but with initiative and contributing to turf research work being carried on at the university.

Alta fescue, according to studies being made at the UCLA test plots under the supervision of Dr. V. T. Stoutemyer is proving ideal for rough and athletic fields and shows possibility of withstanding cutting down to 1 inch height.

Colored slides were used to advantage by Hallowell to give those in attendance a

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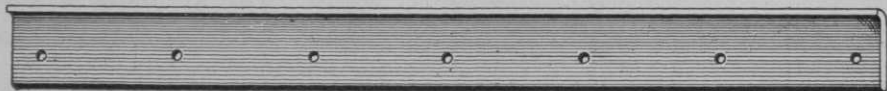
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chance to see outstanding greens and fairways that came under his observation. A slide of No. 9 green, Los Angeles CC, where Wm. Beresford has started a green rebuilding program, showed grass he had developed in his own nursery over a period of years. The grass apparently a slow starter but with the aid of phosphorous had come through to give Beresford an outstanding green which he expects to follow up and use on all greens at Los Angeles CC.

Hallowell in his closing remarks paid tribute to O. J. Noer by nominating him "Mr. Turf" because of his fine work and the esteem in which he was held by turf officials in Mexico and Canada as well as the U.S.

Wm. H. Johnson, Golf Course Mgr., Municipal Golf Courses, Los Angeles, and Robert Williams, Supt., Beverly CC, Chicago, followed with each outlining a three-point program on "How to Make Tees Better for Play." Johnson explained the basic principle of sound original construction has proven itself time and again, stating, "it is here the golf course architect can prove himself a friend to the greenkeeper who must maintain the course after it is open to play." He then followed up with the tips on renovation and regular maintenance. Williams stressed setting up proper objectives, i.e., "to produce a teeing area of adequate size, add interest to the hole by providing flexibility of both length and angle of play, keep a level and firm surface and maintenance that keeps teeing area always attractive. Both men in conclusion pointed up the need for maintaining tees of

adequate size and giving the same care to planning, construction and maintenance as is given to the preparation and care of putting greens.

Greenkeepers were told important thing today is "to study further the things we already know" by Dr. Fred V. Grau, Dir., USGA Green Section, Beltsville, Md. in his talk on "Aeration and Drainage," which concluded the morning session. He went ahead to say he continued to be astounded at troubles men get into by forgetting importance of aeration and drainage. Throughout his address he used colored slides as he emphasized the following points:

To build a green without perfect drainage is a black mark against the architect,

Soil is composed of 25% air, 25% water and 50% solids (granules),

Take advantage of textbooks on soils available in local libraries — study them,

Air is needed before grass will take on nitrogen,

Secret of good drainage system is outlet, in soil this includes pore spaces — not good soil if it does not have outlet (pore spaces),

Install subdrainage at time green is built,

Remove excess water quickly,

Caution folly of installing tile drains after greens are built — love's labor lost — water doesn't move fast enough laterally to do job right, skin off top of green and rebuild,

Much of shallow rooted turf needs watering twice a day — roots not long enough to get to soil water because of puddled soil

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