

MIDWEST BREEZES

On July 14th this editor had the pleasure of being one of the invited guests at the yearly invitational at the Butterfield C.C. I found the golf course in excellent condition. This was made possible by the watchful eye and the know-how of Supt. **Art Benson, Jr.** This event gets bigger and better each year. The food is always good, and plenty of it. This editor always looks forward to this day.

The summer of 1982 has not been one of the best for turfgrass in the Chicago area. Bluegrass fairways survived fairly well. Some of the bentgrasses and poa annua did not do too well. Once again we can use the same words that we have used many times. Bring back the poa annua and all is forgiven.

Midwest Association of Golf Course Superintendents annual dinner and dance will be held at River Forest C.C. on Nov. 19, 1982. **Edward and Jean Stewart** will be our hosts. This party is on a Friday night. Cocktails from 6:30 to 7:30 p.m. Dinner at 7:30 p.m. consisting of prime rib and wine. Also two free cocktails, hors d'oeuvres, entertainment, plus door prizes - all for \$25.00 per person. Where can you get more for your money? Bring your best girl friend and prove to her you still love her. It was just a long hard summer.

Mr. and Mrs. Howard Baysen - (Ruth Burdett) from Green Valley, Arizona paid a visit to friends and relatives here in the Middle West. It was good to see them again. They motored on to the East and back home by way of Colorado. Happy traveling.

Ed Smith, Supt. at Deerpath Park G.C. has been elevated to Supt. of parks - forestry and grounds. "Congratulations, Ed."

Joe Canale, former Supt. at Ogleby III., now retired and his wife **Minnie** celebrated their 50th wedding anniversary on July 2nd. Congratulations and we all hope the next fifty years will be as enjoyable as the past.

The M.A.G.C.S. August 9th meeting held at Skokie C.C. was enjoyed by 114 members and guests. 104 of these played golf on a very fine course made possible by Supt. **John Berarducci**, President M.A.G.C.S. The food was more than ample. We all thank Manager **Glenn O. Gunderson**. He did a super job.

The Photographer at the August 9 meeting had a little problem. Reason was dead battery.

The speaker at the August 9 meeting was **Jim Bertucci**. His topic was Law and he explained the many things to be aware of in our every day of life.

It was at the August 9 meeting that our good friend **Nels J. Johnson**, the tree expert was learned to be in the hospital. We hope it is not serious. We need him and so do the trees.

Dear Ray,

With the end of Summer nearing, one can feel the pressure ease.

"SEPTEMBER SARDONIC SENTIMENTS"

In this field of great endeavor,

You find, the Summer you'll outlast.

If you've fathomed August,

With Summer's final blast.

You feel proud and well you should,

For conquering Summer, looking good.

Thank your Maker, for being kind,

You got through Summer, without losing your mind.

Superintendently,

Kenneth R. Zanzig
Green Garden C.C.

Dear Ray,

Many thanks for making sure my **Bull Sheet** got to me at my new address. We young superintendents would be lost without a helpful, guiding hand from experienced individuals like yourself.

I also wanted to let you know that as long as I'm in the Chicagoland area, there will always be one other person besides yourself who will carry the torch for any square foot of golf course that was touched by Donald Ross. My love affair started back in 1978 while working at the Inverness Club in Toledo under Wilbert Waters.

If you could possibly fill me in on any prior architectural history on Beverly, I would sure appreciate it. All of my limited research points to Donald Ross as well as the prominent Ross touches around greens and approaches. None the less, Beverly is a beautiful, challenging golf course which will require a concentrative effort on my part to equal the past efforts of Bob Williams and Ted Woehrl.

I'd like to extend the invitation to you to stop in anytime you're in the area. I'd be honored to give you "the cooks tour."

Les Rutan, Supt.
Beverly C.C.

METRIC CONFUSION

As we consider metrics, let us also consider some other perturbing thoughts. Cliches, and the people who love to use them, will suffer horribly. Examine the following "metrified" cliches to see why:

A miss is as good as 1.61 kilometers.

I beat him within 2.54 centimeters of his life.

Give him 2.54 centimeters and he'll take 1.61 kilometers.

He missed that one by 1.61 country kilometers.

Kilogram for kilogram, he's the best man.

Peter Piper picked 8.81 liters of pickled peppers.

It hit me like 907 killograms of bricks.

Third down and centimeters to go.

Hell's 2,026 square meters.

Any questions?

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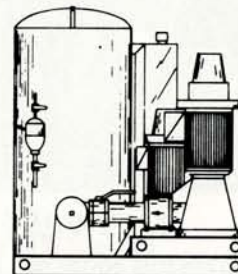
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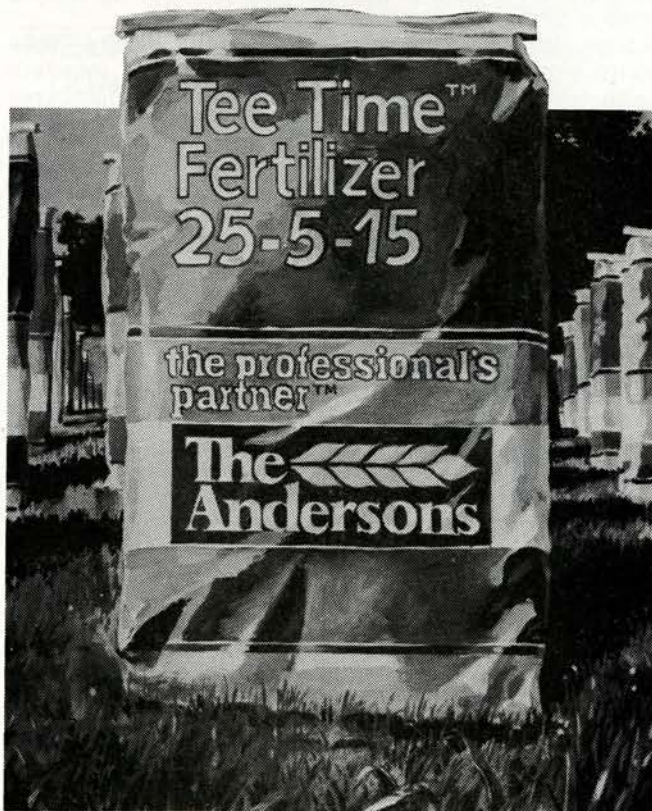
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CHOOSING THE RIGHT TREE FOR YOUR GOLF COURSE

Trees can greatly enhance the value and appearance of your golf course, but only if they are chosen wisely, with an eye to both function and aesthetics. Trees can serve as windbreaks, camouflage unattractive views, alter the difficulty of a hole, provide shade to a weary golfer, or perhaps, enhance an undistinguished clubhouse entrance. In the best of situations, one tree can answer several of these needs.

The considerations you should make when choosing a tree fall into three categories; the intended site, whether the tree is appropriate for your area, and the tree's growth characteristics.

The tree's growing requirements must be compatible with conditions at its intended site. Soil drainage and pH are critical in determining whether a tree thrives and grows rapidly or just struggles along. Other conditions such as whether the tree will be subjected to deicing salts in the winter and how the projected planting will affect and be affected by its surroundings should also be carefully considered.

Find out whether the tree you want to plant is adapted to your area. Some trees simply will not survive hard winters and the number of pests and diseases which attack trees is enormous. The best way to determine which trees are likely to thrive is to observe what types are doing well in your area. Your local extension agent or reputable nurseryman can give you further guidance.

Growth characteristics which influence whether a tree is satisfactory include its shape and size, which determine whether a tree will answer the purpose you have purchased it for. For example, you should decide whether you want a tall column, a wide, spreading tree or small accent plant.

Large leaves and some fruits will require time consuming cleanup operations. Roots can interfere with turf, drains, and paths, but don't overlook tree roots as a means of controlling erosion. Be sure not to choose a tree that will eventually grow so large it will tangle in powerlines or droop over sidewalks or driveways.

The tree you select will be on your course for decades. Be sure the tree you choose will be a sound investment, not a liability.

L.I.G.C.S.A. - Supernews

CARING FOR YOUR LANDSCAPE

Every landscape needs a certain amount of maintenance to keep it attractive and healthy. According to Lori Wesley, Summer Extension Horticulturist in Cook County, your yard is full of living, growing material that need special care while they beautify your home. Watering, fertilizing, pruning and mulching are all important practices in caring for your landscape.

In the hot summer months your trees and shrubs may lack vigor because they are not getting enough water. During dry weather, a tree should be watered thoroughly about every ten days to make up for the water loss it experiences. Apply the water slowly so that it will soak into the soil.

Nutrients are another important factor to keep your landscape happy and healthy. A commercial fertilizer is the most economical means of adding nutrients to the soil. You can fertilize shrubs and trees anytime from early spring to mid-summer, and from mid-September to the last of November. A complete fertilizer in the ratio of 10-10-10 or 16-8-6 will usually produce good results.

Pruning is a gardening practice that is often either overdone or completely ignored. By following a few general guidelines, your plants can have more and better blooms, a more desirable shape, and new and more vigorous growth. A rule of thumb for pruning flowering shrubs is to remove one-fourth to one-third of all older wood at ground level (old wood is usually larger and has darker colored bark than new wood). If you want to reduce the height of your shrubs you should use a selective "heading back" cut rather than shearing. Shearing generally will cause a dense growth to develop at the ends of the branches. This will shade the rest of the plant and is unhealthy for that plant. The cuts should be made individually, slightly above an active bud. This will allow a new shoot to develop from the bud. Summer flowering shrubs should be pruned when they are dormant (between December and March). You should prune spring flowering shrubs as soon as they have finished flowering. Shade trees need relatively little pruning. A good practice is to remove the dead or diseased wood and cut out any crowding or interfering branches.

Mulching is another gardening practice that is recommended for your landscape plants. Mulches help to control weeds, conserve moisture, control soil temperature and to protect the plants. Bark mulches can be applied three to four inches deep. Bark is low in nutrients and decomposes slowly, and is very attractive in your yard.

Taking a little extra care with some important gardening practices will keep your plants healthy and vigorous and will set the state to show off your home to its best advantage this summer and in the years to come.

James A. Fizzell, Sr. Extension Adviser
Horticulture

NIELSEN CONFIRMS NGF FIGURES CONCERNING GOLF'S GROWTH

NORTH PALM BEACH, FL -- The good news in the world of golf is that the A. C. Nielsen Company has just released figures showing that the number of golfers in America has grown by 9.2% since 1979 - to 17,367,000.

Those figures confirm information released earlier by the National Golf Foundation, which showed that as of Jan. 1, 1982, there were 17,100,000 golfers in the United States - or 7.6% more golfers than in 1979.

The National Golf Foundation, which is recognized as the research center of golf, says that early indications are that golf play in the first half of 1982 will also show an increase.

YEAR	A.C. NIELSEN GOLFERS	NGF
1976	16,568,000	16,000,000
1979	15,897,000	15,900,000
1982	17,367,000	17,100,000

A few humorous lines overhead at a recent retirement luncheon:

You know you're growing old when:

- You get winded playing chess.
- You sing your teeth into a steak and they stay there.
- You're 17 around the neck, 42 around the waist and 96 around the golf course.
- Your favorite part of the newspaper is 25 years ago today.
- You join a health club and don't go.
- Your children begin to look middle aged.
- Your little black book contains only names ending in M.D.
- Your pacemaker makes the garage door open up when you watch a pretty girl go by.

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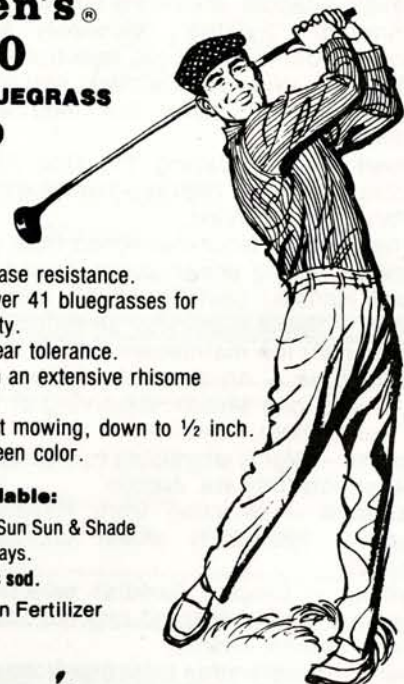
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VARIETY REVIEW BOARD LAWN CULTIVAR LISTINGS

Scores of new lawngrasses have been bred in recent years. The sampling here is of horticultural varieties which have sought acceptance from the Lawn Institute's Variety Review Board. Included are a few older cultivars because they are especially well-adapted to a particular region, helpful for extending other more expensive cultivars in short supply, or have a time-tested image. Any such list is ephemeral, with newer selections becoming available as others drop out. Only "cool-season" species planted from seed are considered in the epitomizations which follow.

KENTUCKY BLUEGRASS, *Poa pratensis*. A stately species, making great sod from spreading rhizomes; tenacious, easily maintained, but somewhat slow to establish; lackadaisical in hot weather, but revives well; widely adapted (from extreme North to upper South) and adaptable (most any soil, although preferring fertile, limey ground with good structure). Newer cultivars have been bred for resistance to commonplace diseases, low stature (much foliage remains below normal mowing height) and singular beauty (rich color, density that fights weeds, etc.). Proprietary cultivars are more costly than common grass, because seed yields are generally low; but the seed is of high quality, genetically certain and essentially free from contaminants.

'Adelphi', 'America', 'Bonnieblue', 'Eclipse' and 'Majestic' are hybrids from select bloodlines at Rutgers University, real "Dandies". 'Glade', 'Plush', 'Ram I', and 'Touchdown' are natural standards mainly screened at Rutgers. 'Arboretum', 'Merion', and 'Nugget' have received special emphasis regionally ('Arboretum' is durable southward; 'Nugget' glamorous northward; 'Merion' the traditional standard of excellence). 'Merit' and 'Vantage' are low-maintenance, broadly-adapted selections from California. 'Birka', 'Enmundi', 'Fylking', 'Monopoly' and 'Sydsport' are accommodative European selections.

Adelphi -- Widely acclaimed, responsive to care (but attractive even under low maintenance). J. & L. Adikes.

America -- Displaying the fine turf characteristics typical of an elite hybrid -- handsome, low, of excellent color. Pickseed West.

Arboretum -- Natural selection from stressful Missouri habitat, lasting under low maintenance (leading cultivar in Kansas); best mowed tall. Mangelsdorf.

Birka -- Swedish fairway selection, steady performer even under low maintenance. E. F. Burlingham.

Bonnieblue -- Another nifty hybrid with good winter color and long season; deserving of adequate care. E. F. Burlingham.

Eclipse -- Highly promising hybrid for topnotch turf, its credentials first-rate. Jacklin.

Enmundi -- Selection from Holland of outstanding quality, noteworthy shade tolerance. International Seeds.

Fylking -- Elegant Swedish selection, suited to low mowing; widely adapted and not invasive nor aggressive in blends. Jacklin.

Glade -- Outstanding selection from upstate New York, dark, tenacious, tolerating shade well, gaining strength as the season progresses. Jacklin.

Majestic -- Hybrid gem, dense and strongly rhizomatous, with lengthy season and good winter color. E. F. Burlingham.

Merion -- The original elite bluegrass, aggressive and benefitting from generous fertilization; suffers some disease but excellent resistance to leafspot. Merion Bluegrass Association.

Merit -- An impressive Scotts origination, dwarfish, widely adapted. International Seeds.

Monopoly -- A well-thought-of selection from Holland, aggressive, fairly light green, suited to heavy wear. Pioneer Hi-Bred.

Nugget -- Selection from Alaska, exceptionally neat and tight, tolerating shade and smog; sometimes prone to dollarspot. Pickseed West.

Plush -- Selection from New Jersey, a steady performer adapted to minimal maintenance. FFR Cooperative.

Ram I -- Top-rating beauty from a golf green in Maine, tolerant of low mowing and compatible in blends. Lofts.

Sydsport -- Swedish introduction, responsive, vigorous, prized for sportsturf. E. F. Burlingham.

Touchdown -- Dynamic fairway selection from Long Island, responsive to fertilization but may thatch (encouraging summer "Disease"?). Pickseed West.

Vantage -- A Scott selection, widely adapted when mowed tall and fertilized, with good early summer vigor. International Seeds.

PERENNIAL RYEGRASS, *Lolium perenne*. New cultivars are as handsome as bluegrass but sprout more quickly and grow more rapidly; they do not spread, and are not so hardy as bluegrass in extreme climates, enjoying mild maritime environments most. They are esteemed for winter-seeding in the South. Leading cultivars are polycrosses derived from widely collected germplasm. Compared to common ryegrass they are low-leafy, rich green, exceptionally winter-hardy, and mow neatly. Restrict perennial ryegrass to 20 percent in bluegrass mixtures because the aggressive seedlings may delay bluegrass establishment.

Blazer -- Of generally outstanding quality, East and West. Pickseed West.

Citation -- Well-mannered and companionable, highly rated. Turf-Seed.

Derby -- A workhorse cultivar, broadly useful. International Seeds.

Diplomat -- Beauteous top-performer, dense and fine-textured. Lofts.

Fiesta -- Hardy summer and winter, enjoying excellent ratings. Pickseed West.

Manhattan -- The definitive Rutgers polycross mostly from Central Park sources, topflight; excellent winter hardiness. Whitney-Dickinson.

NK-200 -- Attractive Minnesota selection noted for winter durability (weaker in hot climates); good in mixtures. Northrup King.

Omega -- A worthy beauty acclaimed among the best. Turf-Seed.

Pennant -- Excellent general quality plus novel insect resistance. AgS.

Pennfine -- Splendid polycross from Penn State, strong in summer. SPIC.

Regal -- All-around quality plus insect resistance. International Seeds.

Yorktown II -- A leading cultivar not "stemmy" in summer. Lofts.

FINE FESCUES, *Festuca rubra*. The fine-leaf or red fescues are well adapted to dry, infertile soil and shaded locations. They often suffer from summer heat-and-humidity, so that permanency is better in northerly climates. Fescue thatch decomposes less

readily than does that of bluegrass or ryegrass. There are three botanical varieties: **Chewings** (densely handsome, but spreading little by rhizomes), and **spreading** and **creeping** (distinguished mainly by differing chromosome numbers, but both spreading well and a bit less dense than Chewings types).

Agram -- A dark-colored Chewings selection from Holland that rates highly in America, displaying good disease resistance. Pickseed West.

Banner -- A Rutgers 42-chromosome Chewings polycross that enjoys especially good ratings under coastal conditions. E. F. Burlingham.

Ensylva -- Strongly spreading European composite from 56-chromosome ecotypes; well suited for mixtures. International Seeds.

Highlight -- Spiffy introduction from Holland, one of the more brilliant of the 42-chromosome Chewings fescues. International Seeds.

Koket -- A strong Chewings polycross from Holland, rating highly in all sections. E. F. Burlingham.

Ruby -- A spreading fescue from Holland from intercrossed clones, compatible for mixtures and special purposes (such as roadside berms). Northrup King.

TALL FESCUE, Festuca arundinacea. Tall fescue has been about the only cool-season species well-adapted to the "transition zone" (roughly within a few hundred miles astride a line between Norfolk and Tulsa). Tall fescue is a bunchgrass, but mixed with Kentucky bluegrass it is used for sod in locations such as the Washington D. C. area. The exciting new development with tall fescue is the breeding of "Turf-type" cultivars such as 'Clemfine' (Lofts), 'Falcon' (Burlingham), 'Hounddog' (International Seeds) and 'Rebel' (Lofts), - polycross combinations that promise to recast lawn making in the border states. The new cultivars should combine the stamina and deep-rooting of pasture forebears with finer texture, lower stature and greater density characteristic of topflight turf species. If so, candidates are at hand for enduring long hot summers in the transition zone, and for shade plantings in the South.

BENTGRASSES, Agrostis spp. Turf bentgrasses should have more frequent mowing than is required for bluegrass. The care-free colonial bents, **A. tenuis**, e.g. 'Highland' and 'Exeter', are much used for lawns. The elegant creeping bents, **A. palustris**, e.g. 'Emerald' and 'Prominent', are mostly for turfs "Kept like a golf green". All bents adapt well to low mowing, moist climates, and acid soils.

Exeter -- A pure-line of remarkable uniformity bred at the University of Rhode Island. Pickseed West.

Highland -- A remarkable, self-reliant Oregon ecotype, long a mainstay among Colonial bents. Highland Bentgrass Commission.

Emerald -- A pure-line selected in Sweden out of famed "Congressional" bloodlines, resplendent for low-mowed turf. International Seeds.

Prominent -- A composite of eight Scandinavian clones that spreads vigorously; seems to endure dry weather and minimal fertility. Pioneer Hi-Bred.

ROUGH BLUEGRASS, Poa trivialis. An elegant species for moist shade, though not durable under heavy wear. 'Sabre' is an exquisite selection, much used, too, for winter-seeding golf greens in the South. International Seeds.

'PINTO' MIXTURES FOR WAYSIDES. Clusters of wildflowers in a grass-seed matrix makes revegetating berms and waysides appealing. Lofts/Jacklin.

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JET AGE CIRCUIT RIDER

A lot of wisdom and truth is packed into a quote that goes, "The mark of a man is how he treats a person who can be of no possible use to him." To apply to Dr. Ira Lee Eshleman, the quote, though it may be slightly altered to fit his work with professional football players, contains the same truth and wisdom: "The mark of a man is how he treats a person who could be a great use to him." "Doc" Eshleman, National Football League chaplain, has gained the confidence of the pro coaches and players because he ministers to their needs without any attempts to use their fame and fortune for personal gain.

Eshleman travels 50,000 miles a year at his own expense to minister personally and through chapel services to NFL players. He explains his outlook on the job he has and the way he believes it needs to be conducted: "The pro player is very slow to commit himself to anybody because he doesn't want to be used. So he first needs to believe that I'm sincere in wanting to help him find life on a higher plane, life in a new dimension through a personal relationship with God."

His approach apparently has been successful since Eshleman is now working with 15 of the 26 NFL teams — a good percentage when you consider his has been largely a one-man operation since its inception in 1967, Sports World Chaplaincy Inc., is the official title of Eshleman's ministry, headquartered at Boca Raton, Florida, where he now has an associate chaplain, Attorney Paul Konnor, plus a secretary and his wife, Viola, to help his ministry function smoothly. Like Eshleman, Konnor speaks to pro teams in pre-game chapel services during the season.

Eshleman also spends a great deal of time personally with coaches and players at summer training camps, at their homes, at hospitals and at various locations during the off-season. This past May, for example, Sports World Chaplaincy sponsored the first Professional Football Christian Leadership Training Conference in Dallas, Texas. Eshleman was able to spend four days with 37 pro players, personally, as they were trained how to live the abundant Christian life and how to share Jesus Christ with others.

During the off-season, he has also conducted Easter sunrise services with pro players and assisted with their camp programs, and now he has plans for an overseas tour with a group of pros after this season. The purpose of the trip would be to visit military troops.

A ministry to athletes was not something Doc Eshleman dreamed about from his earliest childhood. For one thing, he has not always sought to go where God led. All of his life he had sung hymns stating that he was Christ's and that he would go where God wanted him, but his life went other ways. Then, when he was a young adult, he heard a missionary from China say that many people sing more lies than they tell, and it made sense to him. He felt that he was doing that very thing in his hymn singing, even though he had made a commitment to Christ earlier in life.

QUESTIONS

1. Name six entomological pests infesting turf?
2. What is meant by 28 pound blue grass?
3. What does the D stand for in 2,4-D?
4. What is the literal meaning of **poa annua**?
5. In 2,4-D, which solution is more volatile? The ester or the amine.
6. What is the difference between a transit and a level?
7. What is the difference between a 3:1 slope and a 3% slope?

8. What authority governs the parliamentary procedure of a meeting?
9. In the order of business in a meeting which comes first - the new or old business?
10. How do you spell - green committee, Phenyl, and practice (practise is also correct)
11. Define the word or term weed.
12. What is the difference between match and medal play in golf?
13. Is it permissible to change the cups during medal play?
14. What are the two main diseases affecting American Elms today?
15. Spell Helminthosporium.
16. Will capillary water rise faster in sand or clay?
17. Will capillary water move farther laterally in sand or clay?
18. Who was the founder of Merion bluegrass and where in the United States was it discovered?
19. Name three universities or colleges that offer two or more years in turf management?
20. Who was the first man to be awarded the USGA annual green section award?
21. What does the O.J. stand for in O. J. Noer?
22. What is meant by the pan test in irrigation?
23. What is maximum lift of a suction or centrifugal pump considered to be?
24. Generally speaking how many inches of rain would equal 10 inches of snow?
25. Where does our major source of moisture come from in our rainfall in North America?
26. Name five controls for Chickweed and whether or not they are Pre-emergence or Post-emergence.

ANSWERS

1. Any six insects that they might answer.
2. The top quality bluegrass weights 28 lbs. per bushel (sometimes more). Anything less of quality would weigh less because it contains a lot of chaff.
3. Dichlorophenoxyacetic acid.
4. Annual bluegrass.
5. The ester solution.
6. A transit is used for angles as well as leveling, where a level is used primarily for leveling.
7. A 3:1 slope means that for every 3 feet horizontally the vertical rise is 1 foot. A 3% slope is one in which the vertical rise is only 3 feet in 100 feet horizontally.
8. Roberts Rules.
9. Old business.
10. G-R-E-E-N C-O-M-M-I-T-T-E-E, P-H-E-N-Y-L, P-R-A-C-T-I-C-E (or P-R-A-C-T-I-S-E)
11. **Any** plant that is growing where you do not want it.
12. Match play you play an opponent by the hole and medal play you play him by the final score.
13. No.
14. Dutch elm disease and phloem necrosis.
15. H-E-L-M-I-N-T-H-O-S-P-O-R-I-U-M
16. Sand.
17. Clay.
18. Joe Valentine in Merion, Ohio.
19. Purdue, Penn State, Iowa and Amherst, Mass.
20. Dr. J. Montieth.
21. Oivan Jewels.
22. The placement of like receptacles at various places in the fall area of the sprinkler to measure the water at these specific points.
23. 15 feet.
24. One inch.
25. The Pacific Ocean.
26. Answers vary.