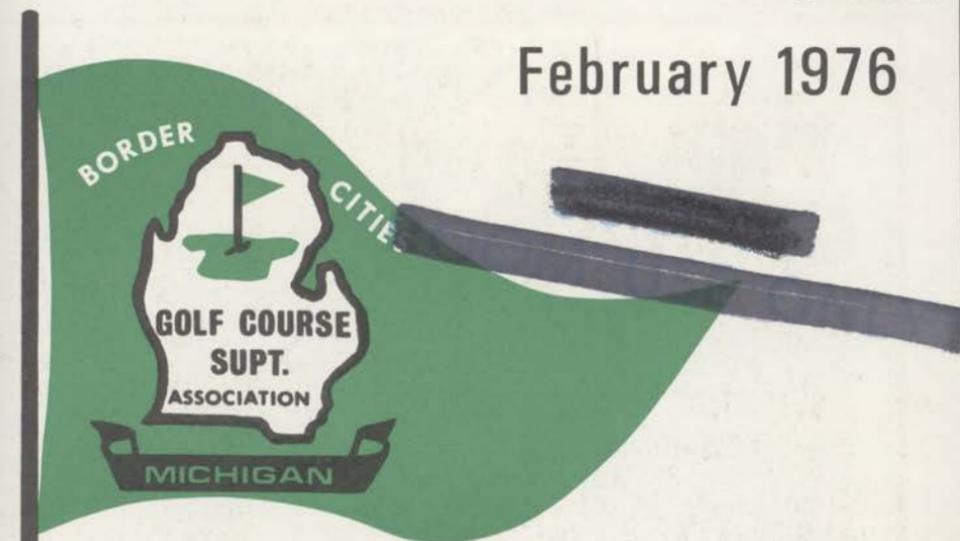


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Participation In Education and Education by Participation

The Golf Course Superintendents Association of America's "Code of Ethics" states that a member pledges to:

"Utilize every opportunity to extend my professional knowledge in order to increase my value to my employers, my industry and my profession."

The time has come for us to ask ourselves, "What have I done the past year to better myself and the knowledge of my profession?"

Or ask yourself these questions:

1. How much do I read and what type of material do I select?
2. Have I participated in the local superintendent or turfgrass meeting?
3. Have I attended as many conferences, clinics, and shows as I could have?
4. Have I taken any college, extension or other type of courses to improve my overall knowledge?
5. How much experimenting have I participated in during the past year?
6. If I have a problem, do I go to a recognized authority for advice?
7. How many people have I trained? Are they presently employed by a golf course?
8. Do I approach my career and responsibilities with an open mind and a willingness to learn?

Kuan Tze in 400 A.D. said, "If your plan is for one year, plant rice; if your plan is for ten years, plant trees; if your plan is for 100 years, educate men."

Obviously, the GCSAA and the RMGCSA are planning for the future, because during the last couple of years, they have added and introduced

the Certification Program, and are up-grading the education programs. Both of these steps are and promise to be great assets to our profession.

But training, educating, retraining and re-educating do not begin on the national level. They begin AT HOME because this is where opportunities for improvements are. All that remains for us to do is to accept these many opportunities.

With respect to training, Patrick Williams, former director of education of the Professional Golfers Association of America, said it best at the 41st International Turfgrass Conference and Show:

"Training is a learning situation where you protect your profession by helping others to become as proficient as you are. It is an obligation you owe to your profession. Someone did it for you at one time so you must do it for others. Their ability, whether you like it or not, reflects on your ability."

If we do not participate in meetings, conferences, newsletters, and the like - how will our professional associations continue? How will our profession better itself, and how will we better our own positions? Education by participation is the best answer - for yourself, for your associations, and for your profession is the answer.

As Pat Williams so rightly stated, "What do you people (GCSAA) have to sell as an organization? One thing and one thing only - professional standing which is an image of capability. And there's just one way to do this. Train, educate, retrain, reeducate."

Tom J. Rogers, CGCS

New Pest Discovered in Ohio Golf Courses

There is no common name. They are resistant to Chlordane, Dieldrin and Aldrin. There has been some control from Diazinon or Dylox or Proxol.

Egg laying takes place in low wet areas in April. The season's life cycle is, eggs in spring, grub or larva in summer, pupa in late July or early August. Adult beetle early part of August.

Ed. Note: This cycle is known in the Chicago area and was first noticed in 1975 on golf courses in the Chicago area on *Poa annua* and bent-grass turf. It also has been observed in the southern part of Illinois in 1974.

We have confirmed the identification of a small grubworm that has literally destroyed thousands of square feet of *Poa annua* and bent grass turf in golf courses in southern Ohio. Dr. Harry D. Niemczyk, turf research entomologist at our Wooster Agricultural Research and Development Center, collected some of the grubs and sent them to Washington, D. C. to be identified. The identification came back as *Ataenius spretulus*. The grub has no common name.

I first came in contact with the grub in July of 1973 when one of our golf course superintendents in Cincinnati called and said his whole course was full of brown patches. I went down and sure enough there were brown patches ranging in size from a golf ball to a square yard. In lifting up the dead area I could count as many as 50 grubs per square inch - yes, per square inch. I've never seen that many grubs in one place in my whole life. Since it was July, I thought that these grubs were probably newly hatched Jap. beetles, or northern

masked chafers. Our attempts to rear them were unsuccessful. For control measures, I suggested to the superintendent that the course be treated with diazinon right away and aldrin in the early spring. This was done and control was obtained in the fall of 1973. This summer I got another call from the same superintendent indicating the grubs were back again. The aldrin should have killed them. This time Dr. Niemczyk went down in July and collected adults, pupae, and grubs. He sprayed the adults with Sevin, diazinon, and aldrin in the laboratory to check for resistance and also to see what these materials would do against them. They were highly resistant to aldrin, but easily killed by the other two materials.

Dr. Niemczyk has reviewed the literature and has told me that there is very little known about *Ataenius spretulus*. In fact, he found only 2 papers on the subject. One dated back to the late 1800's. He indicates that there is probably one generation a year. They overwinter as adults in debris such as grass piles and other such materials. In the spring, they come out of hibernation, lay their eggs in turf and by mid-late July emerge as adults. What they do from August on isn't quite clear. We don't know if the adults feed, or what they do. It seems that *Poa annua* and bent grass are their favorite foods. However, Dr. Niemczyk did find them in bluegrass.

Richard L. Miller
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The Stately Elm Returns

from AGRICULTURAL RESEARCH, U.S.D.A., September, 1975

Stately elm trees that once adorned America's streets, parks, and lawns in large numbers from the Great Plains to the Atlantic coast may be on their way to making a comeback. A hybrid, named "Urban Elm," will be available in limited supply in about three years. It is resistant to Dutch elm disease which has spread throughout the American elm's natural range since the 1930's.

Scientists at the ARS Shade Tree and Ornamental Plants Laboratory, Delaware, Ohio, developed Urban elm from a cross between an elm from the Netherlands (*Ulmus hollandica* var. *vegeta* X *Ulmus carpinifolia*) and a Siberian elm. The new tree is expected to grow to moderate size, making it more suitable for urban planting than the American elm, according to plant pathologist, Dr. Charles L. Wilson. Like the American elm, the new hybrid grows fast in various soil types, has dark green foliage, and is tolerant to drought, pollution, soil compaction, and restricted root space.

In the fall, Urban elm offers the promise of a striking appearance, because in locations where it is adapted, the tree retains its foliage and dark green color longer than other trees. The new hybrid has a profuse upright branching habit and its dense foliage produces a compact crown.

A team began developing Urban elm in 1956, crossing parent trees to obtain seedlings that proved capable of withstanding inoculations of the fungus, *Ceratocystis ulmi*, which causes Dutch elm disease. Then came years of propagation and seasonal susceptibility trials in which plants grown from cuttings were inoculated with strains of fungi at various times of the year.

For the past two years, under an agreement with ARS, wholesale nurserymen have been testing the tree further for adaptability to various climatic conditions. The agreement prescribes that the nurserymen propagate the elms in sufficient numbers to insure that they will be available to other nurserymen before commercial trade begins.

ARS plant scientists at the Delaware laboratory are developing more hybrid elms that may be released within a few years. About six different elm selections including two American elms, have moderate to high resistance to Dutch elm disease, according to plant pathologist, Dr. Lawrence R. Schreiber.

Plant geneticist, Dr. Alden M. Townsend, claims that physical characteristics vary substantially among elms in the breeding program. Some could be made into shrubs. Others may grow from seed to heights of 15 feet within three years. A Chinese elm, with a deep red coloration, and a columnar shape elm has been developed. This tree might be used to replace Lombardi poplar which is susceptible to cankers and may die within about eight years after planting.

A. J. Miller Honored

Austin Miller, owner of A. J. Miller Sprinkler and Sprinkler Irrigation Supply Company was honored at the Minneapolis Turf Conference & Show by being inducted into the Quarter Century Club for being a member of GCSAA for 25 continuous years. Congratulations!

MSU Pesticide Seminar



Jim Brooks, GCSAA Headquarters, Lawrence, Kansas, conducting the registration desk at MSU. Over forty (40) members participated in the Pesticide Seminar, December 16-17.



Some of the participants of the Pesticide Seminar at lunch.

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Dr. Al Turgeon, University of Illinois, teaching his favorite subject; 'The Ecosuptem', as part of the Pesticide Seminar.

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GAM Meeting

There will be a meeting of the GAM Greensection and the Michigan and Border Cities GCSA on March 24, 1976 at 5:00 P.M. at the Plum Hollow Country Club.

Invite your chairman to attend.

DIRECTORS ELECTED TO MICHIGAN TURFGRASS FOUNDATION

Ward Swanson and Gordy LaFontaine were *re-elected* to the Board and James Timmerman, Superintendent of Orchard Lake C.C. was elected for his first term as director.



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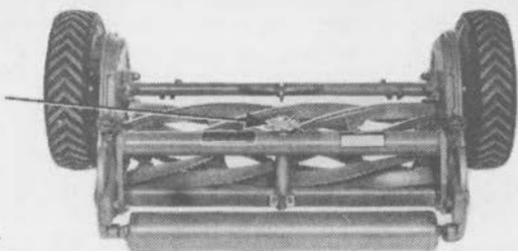
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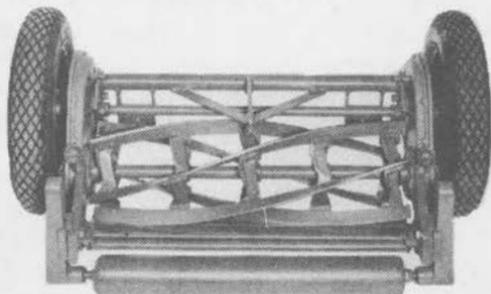
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The USGA's benefits and services extend to *all* golfers, clubs and courses, whether or not they are members. As examples, non-member clubs print on their score cards that "USGA Rules Govern Play"; they

provide their own members with "USGA Handicaps"; they do not hesitate to write or call when a ruling or other information is needed; and they use greenkeeping practices developed by the USGA Green Section through years of experimentation. Such clubs can avail themselves of these and other benefits thanks to the concern and generosity of our dues-paying membership. But, fortunately, most clubs and courses are eager to participate. The spirit that motivated the USGA founders is alive and growing.

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Unit II CONCEPTUALIZING
MANAGEMENT

The Climate - the environment within which management lives.

The Clutter Concept - natural forces effecting non-management (ingredients for disaster), VS.:

Environmental Concern - natural forces effecting management (re-combination of the same ingredients).

Unit III THE EXERCISE OF
MANAGEMENT

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Motivation: What makes people work - identifying and utilizing the energy sources necessary to make the system work.

Performance Standards: Measuring effectiveness for the superintendent, subordinate supervisors and crew members; identifying signals for change.

Decision Making: The what'll-I-do-now considerations of the organization; the how-to, when-to of deciding; the impact of decision, effect of error, role of procrastination; how to live with the decision.

Techniques of the Exercise: The means and tools of management; a glossary.

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Unit IV COPING WITH MANAGEMENT PROBLEMS

Case Approach: The boss, the subordinates, the manager, the pro, the self.

Unit V CLOSING AND EXAMINATION

FLOWER SHOW

MARCH 20-28, 1976

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by President George Prieskorn

1. Educations - Jim Timmerman
2. Arrangements - Ward Swanson
3. Golf - Ward Swanson and Walt Trombley
4. Bylaws - Jerry Gill
5. Publicity - Don LaFond
6. Christmas Party - Jerry Gill
7. Golf Day - Bruce Wolfrom
8. Patch of Green Editor - Ted Woehrl
9. Membership - Bob Hope
10. 1979 Conference (GCSAA) - Clem Wolfrom

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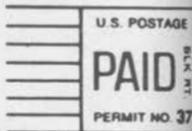
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