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### President's Message

We have all just returned from an exceptionally beneficial national conference that will help all of us improve many of our management practices. Boston, like all of our national meetings, had a very well organized educational program that covered many aspects of our too numerous to mention jobs. In that all of the responsibilities of a golf course superintendent are very many and technical, we should all be sure to mark our calendars for the upcoming annual conference of the Mid-Atlantic Association on February 12 and 13 at the Lord Baltimore Hotel in Baltimore. Highlights of our conference will be speakers on OSHA and EPA. We will also hear a panel discussion on Tri Calcium use in our Mid-Atlantic area and hear from our own Warren Bidwell from Congressional Country Club who will discuss landscaping techniques on the golf course and club grounds. Please send in your reservation cards if you have not already done so.

Our new Board of Directors and their respective positions are listed below. Please feel free to contact any member of our board for any assistance or information that may be of help to you.

### Bill Emerson - Educational Chairman

Takes charge of our annual conference and speakers for our monthly meeting.

### Angelo Cammarota - Financial Chairman

Takes charge of our budget and audits monthly financial statements.

### Dick Silvar - Membership Chairman

Takes charge of processing membership applications and the annual membership directory.

### Sam Kessel - Golf Chairman

Takes charge of the annual golf tournament, handicaps, and our monthly meeting tournaments.

### Dennis McCammon - Editorial and Publicity Chairman

Takes charge of outside association publicity and soliciting and contributing newsletter material.

### Alex Watson - Social Chairman

Takes charge of social and fraternal flowers to the sick, deceased and widows fund. Al is also taking charge of our social activities, ladies night and our family picnic. Paul Barefoot - National Affairs Chairman

Takes charge of communications with the National Headquarters and will work with George Cleaver for the benefit of the Mid-Atlantic membership. Paul is also Vice President this year.

### George Thompson – Employment Chairman

Takes charge of job opening notices and as past president will serve in an advisory capacity to the board.

I feel we will have a profitable and productive year with our new Board of Directors. I hope that each member will profit from the programs and activities that the Board has planned for the following year.

Lee Dieter

## **44th GCSAA CONFERENCE** AND SHOW

Boston, our international conference location for 1973, brought about a record crowd of 4,362 registrants, some 200 more than attended our record breaking Cincinnati conference in 1972. The Mid-Atlantic also produced a record attendance of over 86 members and 28 wives for a grand total of 114. Hopefully we will boast an even larger



Our new director being congradulated by our new GCSAA President. Left - George Cleaver and right - Clifford Wagoner.

attendance at next year's Anaheim Conference, February 17-22 in California. Continued on next page

### 44th GCSAA CONFERENCE

Continued from page 1

A total of seven educational assemblies, featuring over 50 speakers, highlighted our 5 day program of education. Unfortunately, little time was found for viewing the historic sites of Boston. Supplementing our agenda of educational assemblies were two floors of equipment displays in excess of 42,000 square feet of floor space in the Hynes Auditorium. Virtually every form of mechanical equipment was on display this year from more than 140 exhibitors.

Other conference highlights were the Monday Night Boston Tee Party, hosted by the New England GCSAA and our annual banquet and dance held at the headquarters Boston Sheraton Hotel on Thursday night.

Last, but not least, the biggest highlight of the conference for our Mid-Atlantic members was the successful election of George Cleaver to the National GCSAA Board of Directors. George captured a total of 1,613 votes to secure the highest number of votes of any delegate running for office. All of us in the Mid-Atlantic are proud of George and his increasingly long list of achievements. George has been an active member of the Mid-Atlantic ever since he came to our area in 1959. George served the Mid-Atlantic organization as president, secretary-treasurer for four years, director, and chairman and member of numerous committees, as well as being editor of the monthly newsletter. George also was a featured speaker on "The Superintendent's Viewpoint" at the Boston conference.

Congratulations, George, the Mid-Atlantic will be supporting your climb to the top in the insuing years and wish you a successful term of office as a new director with the GCSAA.



Left to right: Buck Whetsell, Parker Shirling, Bob Adams and Jim Estepp.



Left Allan MacCurrach, Jr., Chairman of the 4th Educational Session. Right George Cleaver speaking on a Superintendent's Viewpoint.

### **25 YEAR MEMBERS**

Angelo Cammarota and Bill Livingston received their 25 year pins at the annual membership meeting during the Boston conference. This pin signifies that the recipient has been an active member of the GCSAA for 25 years.

> Left Angelo Cammarota Right – Bill Livingston





Left to right: Bob Miller, Angelo Cammarota, John McDonald, George Cleaver, Bob Shields, Walter Boyson, receipient of the G.C.S.A.A. special merit award this year at Boston, Grafton Lumsden and Herb Hinelein.



### SCENES OF THE THURSDAY NIGHT BANQUET



### **Occupational Safety and Health Act**

On December 29, 1970 the President signed into law the Occupational Safety and Health Act (Williams – Steiger Act) which became effective April 28, 1971.

The purpose of the act is "to assure so far as possible every working man and woman in the Nation safe and healthful working conditions.

George C. Guenther, Asst. Sect. for Occupational Safety and head or the Dept of OSHA wrote an article in the June issue of the *Golf Course Superintendent* which left no doubt that golf courses were covered by the provisions of this law.

Briefly mentioning some aspects of importance: OSHA inspectors may enter any premises at any time during working hours, usually without notice and inspect the premises and all pertinent conditions, structures, machines, apparatus, devices, equipment and materials during their actual use. They may also question any employer or employee.

If an inspection determines a hazard exists or there has been a failure to comply with the act, a written citation describing the nature of the violation will be issued. This citation must be posted by the employer in the work place. Usually the citation will specify a time limit for correction of the violation. First violation citations and less serious violations may incur fines to \$1,000.00 for each violation. In addition to the fine, any employer who fails to correct a violation within the time period permitted may be penalized up to \$1,000.00 each day the violation persists. Willful repeated violations by an employer may be subject to fines up to \$1,000.00 for each violation. A willful violation by an employer which results in the death of any employee is punishable by a fine of up to \$10,000.00 or imprisonment for up to six months. A second conviction doubles these criminal penalties.

The Act requires employers to maintain a log of all work-related deaths, injuries, and illnesses. Minor injuries requiring only first aid treatment need not be recorded, but a record must be made if they involve medical treatment, loss of consciousness, restriction of work or motion or transfer to another job. Employers can also be required to maintain accurate records of employee exposure to potentially toxic materials or harmful physical agents (in other words chemical applicators).

To comply with OSHA, three forms must be kept. The first is a report of injury form for each injury or occupational illness. The word "OSHA" must be on the form as all others are obsolete. The second form is a log of injuries (OSHA form #100). Each occupational injury or illness must be recorded within two days. Logs must be kept current and retained for five years. The third is a summary of injuries (OSHA form #102). This must be posted for 30 days following the end of the calendar year.

### COMPLY OR PAY FINE

Officials administrating the Occupational Safety and Health Act report excessive violations and noncompliance with the provisions of the Law, inspecting officers in several states have issued citations to as many as 95 percent and more of the businesses and firms visited. A growing industry like the Green Industry is necessarily subjected to risks not common to established areas of endeavor. It therefore behooves us to become cognizant of these risks and establish correct patterns of safety. Unless this industry finds mental solutions to these problems, OSHA inspectors will find economic solutions through your pocketbook. The penalties are stiff. Here are a few not subject to reduction:

- 1. Failure to post the official OSHA posters \$ 50 2. Failure to maintain OSHA Form 100 Log 100 3. Failure to maintain OSHA Form 101 Supplementary Record or its equivalent 100 4. Failure to compile OSHA Form 102 Summary 100 5. Failure to post OSHA Form 102 Summary by february 1, for 30 days 100 6. Failure to report fatality or incident in which five or more employees are hospitalized 200 7. Failure to post citation received at
- the worksite 500

An employer is required to have his course, and everything in or on it, in a non-hazardous condition at all times. For example, all holes (presumably not the ones on the greens which encase the cup) must be guarded to protect employees from falling into or through them regardless of where they may be situated. Use of tractors, carts, sprayers, aerators, mowers, and other golf course machines, is covered by OSHA Standards. Likewise, fertilizers and pesticides, disposition of dangerous materials, walking and working surfaces, personal equipment, environmental controls, fire and medical and first aid protection, materials handling and storing, machinery and machine guarding, powered tools, electrical requirements etc., are covered.

The standards that effect golf courses (same as for all industries) are contained in part two of the Federal Register of May 29, 1971 entitled, Part 1910-Occupational Safety & Health Standards. A copy of this, as well as all other needs and information, can be obtained from the regional office in Philadelphia.

#### **OSHA** information:

Office of Information Services Occupational Safety & Health Administration U. S. Department of Labor Washington D. C. 20210

#### **OSHA FORMS:**

Joseph Perzella Penn Square Building Room 410 Juniper & Filbert Streets Philadelphia Penna, 19107

**Record Keeping Booklets** Log of Occupational Injuries and Illnesses (OSHA form 100)

Supplementary Record of Occupational Injuries & Illnesses (OSHA form 101)

Summary Occupational Injuries and Illnesses (OSHA form 102) Cont'd on next page

### **Occupational Safety and Health Act**

Continued from page 3

Poster – Safety & Health Protection On The Job.

Who is fined and who goes to jail? The last person who had a chance to correct a potential or real hazard and didn't. At a golf club that person many times would be the superintendent.

A good superintendent wants to protect his men anyway. But with the enforcement of this act it would be wise to take a very close, critical look at conditions in your work area and equipment being used by your employees.

## NEWSLETTER MAILBAG

### THE SUPERINTENDENT'S FRIEND

The death of James E. Thomas, know by his friends and associates as (Jimmy) was quite unexpected. It came as sad news and a great shock to all who knew him.

As we travel down life's path we all meet and make many exceptional acquaintances. Jimmy's friendship was one of life's rarities, in that you could trust and depend on him at all times. His words and deeds could be accepted as gospel truth.

Jimmy will be remembered by both the Middle Atlantic Superintendents Assoc., and the National Assoc., for his many constructive contributions. Through his ideas and suggestions our associations made great progress.

Jimmy was dedicated to his profession. He was a very humble and compassionate man with an abundance of turf knowledge. Jimmy and I traveled together to many of our local and national meetings. Our wives would on these occasions get together for ladies' talk, while Jimmy and I would discuss turf and association business. Ironically one of Jimmy's pet subjects was for the National Association to entertain the idea of a centrally located office in Kansas. Today this is a reality. I wonder what part Jimmy played in this idea coming to its present status.

Jimmy had the heart of a lion and the patience and compassion of a saint. Yes - we have lost a great turf warrior.

Death we all recognize is a certainty, the only uncertainly is the time and place. Jimmy, God rest his soul, passed away doing what he knew and loved best, growing turf and keeping a nice golf course.

May I say – to Ruth, Jimmy's lovely and devoted wife, you have our deepest sympathy. Take care of yourself, God bless you. We have you both in our prayers.

TOM DOERER, JR.

### Job Wanted

### Asst. Supt. Seeking Mid-Atlantic Employment

Michael T. Hess, Hemlock Farms, Lord's Valley, Box 1000 Hawley, Pa. 18428

Age 21 Experience: Asst. to Harold Drennen, Buckhill Inn, Canadensis, Pa.

Not subject to draft

Two Year Turf Course Penn. State

## LIME – Ageless Aid To Turf

The following article provides us with information from a turf course at Rutger's University back in 1947. Asst. Prof. T. C. Longnecker presented to his class a paper titled "The Role of Lime in Turf Management", which included all the up to date knowledge of the benefits of lime on turf grasses. This paper, condensed here, shows us how the values of lime are unchanging through the years.

Angelo Cammarota submitted this 26 year old publication from his back files of school papers. You will all see that this paper can easily be presented, unchanged, for valuable information at any turf meeting today.

The term lime, as it is generally defined, includes all compounds of calcium and magnesium employed in a practical way to correct the effects of an overly acid soil. It should be noted that magnesium as well as calcium compounds are considered liming materials, and that the purpose of applying lime is to correct the effect of soil acidity and not simply to raise the pH. The soil pH usually rises following applications of lime but this is of secondary importance.

The role of lime is two fold in its effect on soil and plant growth relationship. First of all lime has many direct effects upon the soil both chemically and physically and these changes affect plant growth. Secondly, both calcium and magnesium are essential plant nutrients and have an extremely important role to play after being absorbed into the plant tissues.

Since the first effect of a lime application is upon the soil itself, first consideration should be given to the role it plays in making the soil a more favorable medium for grass growth. Magnesium lime and calcium lime are, for the most part, equivalent in their effects upon the soil. These effects can be listed as follows:

- 1. Promotes more desirable granular soil structures.
- 2. Soluble iron, alumnium, and manganese are tied up in an insoluble form.
- 3. More phosphorus and potassium are made available for plant growth.
- 4. Favors activity of micro-organisms (decomposition, ammonification, nitrification, nitrogen fixation).
- 5. Raises the soil pH.

Soil structure is extremely important in the growth of all plants but it is particularly important on turfed areas. A soil which has a granular structure is more permeable to water and has better drainage and aeration. In the heavier soils such as loams and clay loams there is always a tendency for the fine particles to become too closely associated which results in compaction with inadequate drainage and aeration. This compaction is more apt to develop on strongly acid soils and the application of lime encourages granulation by causing the fine particles to collect together and function as larger particles. It should be pointed out, however, that lime alone is not a cure for compacted greens.

In making the soil more permeable to water lime plays an important role in the water relationship of turf plants. An extremely large proportion of rainfall both natural and artificial, will run off rather than penetrate on acid soils. Examinations have been made on fairways soils after more than one inch of rain had fallen, and in spots where the pH was below 5.0, the soil was completely dry below the surface one half inch. The turf on these dry spots was brown and dead in spite of the fact that fairway irrigation was a regular procedure. Lime alone will aid greatly in preventing this summer drought injury since the soil is better able to absorb and hold water where lime is applied.

The many complex chemical changes that are brought about by liming the soil are discussed in great detail. This article describes how lime helps tie up the toxic aluminum, soluble iron, and manganese which are present in acid soils; iron and manganese are only required in small amounts in plant growth. Surface applications of lime on turfed areas penetrate very slowly so that even though iron and manganese are unavailable near the surface, the grass roots in the lower zones are able to absorb the required amounts of these nutrients. Because of the fact that lime penetrates slowly on grass, it is uneconomical to make heavy surface applications.

One of the most significant effects of lime is its influence upon the activity of micro-organisms in the soil. Most of the favorable soil micro-organisms are encouraged by liming. Those organisms responsible for the decomposition of organic materials in the soil are much more active in the presence of active calcium. The turf grasses form a new root system each year and in acid soils these old roots tend to accumulate instead of decomposing and becoming a part of the soil humus. Strongly acid soils may have 10 times as



many roots in the surface foot of soil as a similar soil which was only slightly acid. This accumulation of roots usually results in a sod bound condition, slow water penetration, weak unhealthy grass, and more favorable conditions for disease outbreaks.

In addition to the beneficial effects which lime has in correcting the harmful effects of excessive soil acidity, both calcium and magnesium are essential to the growth and development of all green plants. Thus these elements play a very important role in plant nutrition. A deficiency of either of these nutrients results in growth symptoms on the plant.

In conclusion, it should be emphasized that the proper use of lime, for the role it plays in the physical, chemical, and biological processes in the soil and in supplying essential calcium and magnesium for plant growth, is an indespensable aid in the efficient and economical production of turf.

### Job Openings

Lakewood Country Club Rockville, Maryland 18 hole course Irrigation – automatic tees & greens, manual fairways. Salary open, Health Insurance; Paid Vacation; Paid association expenses; Other Benefits available Experience required -2 years as Supt. Send Resume immediately Send Correspondence to: President, Lakewood Country Club, 13901 Glen Mill Road, Rockville, Maryland.

U.S. Naval Academy Annapolis, Maryland

18 hole private course; Irrigation automatic

Salary open-comparable with experience, cost of living raises; Merit raises; Insurance - retirement & Insurance Benefits; Vacation - 13 days first year; Association

Experience required - Turf mgt. course, 5 years on golf

Contact: Capt. W. E. Marguardt, U.S. Naval Academy, Annapolis, Maryland, 21402, Phone: 301-267-2877.

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# ANNUAL CONFERENCE

of the

MID-ATLANTIC ASSOCIATION

of

**GOLF COURSE SUPERINTENDENTS** 

Under the Auspices

of the

**Extension Service** 

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