

Editor — Ray Gerber  
865 Hillside Ave.  
Glen Ellyn, Ill. 60137  
Phone — 469-6467

Associate Editors — Robert Williams  
90 East Franklin, Apt. 208  
Lake Forest, Ill. 60045  
Office Phone — 432-0088

Roger LaRochelle  
20432 Kedzie Ave.  
Olympia Fields, Ill. 60461  
Home Phone 481-1638



### *The President's Message*

No profound message this month. No thoughts on our profession and its related problems, but rather a thank you to one of its dedicated and long time members, Mr. Ray Gerber.

I know that Mr. Gerber is steaming about the fact that I've blown the deadline for this message to be turned in, but I really had to wait until after our meeting at McHenry Country Club last month. For those of you who were not there, Ray was presented with a plaque and Golden Bull from the Toro Company in recognition of his many years of association with the Bull Sheet.

Ray, on behalf of the Midwest Association I'd like to extend our congratulations to you and the Bull Sheet on 25 years of dedication and enlightenment to our Association. As one of the founders and now the editor of the Bull Sheet, you have contributed many hours and countless words to its publication for our enjoyment.

Through your efforts over the years the Bull Sheet has grown both in size and quality. Each issue reflects the opinions, experiences and humor of its readers. It is truly a publication for and about the members of the Midwest Association of Golf Course Superintendents.

Ray—thank you! I hope the Bull Sheet and our association will continue to have you as the Editor and a friend to our profession for many years to come.

Our June meeting will be held on Tuesday, June 19, 1973 at the Lake Shore Country Club. Adolph Bertucci, superintendent, will be our host.

Educational Meeting speakers are as follows:  
Atorney Larry Grelle on "Trusts and Wills"  
Insurance Agent Dave Huske on "Deferred Compensation"

Each man will speak about 10 to 15 minutes.

## MAGSC BOARD OF DIRECTORS FOR 1973

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### NEW MEMBERS

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The May 14 meeting of the Midwest Golf Course Superintendents Association was held at McHenry Country Club. Harold Michels, host superintendent, had the course in excellent condition. Ninety-seven attended the dinner.

As far as the Bull Sheet editor is concerned, the highlight of the evening was when Charles Watson of the Toro Irrigation Company presented me with a likeness of a **Bull** which represents our publication. Inscribed on it were the words,

**RAY GERBER**

**In recognition of four Decades of Devotion to Golf and Golf Course Maintenance.**

**The Toro Company 1973**

Also a plaque signed by Bob Gibson, past president of Toro. It sure is wonderful to have friends like this, that do not forget.

### Midwest Breezes

Paul Voykin will have articles published in three prestigious magazines this year: **Golfdom** (June); **Flower and Garden** (July); **Golf Digest** (Fall). Also, his now famous article "A Golf Superintendent should be a Golf Superintendent" (USGA Title for November message) will be re-published in the 10th publication, this time in **The British Greenkeepers**.

Our April meeting was held at the Indian Lakes Country Club. Ralph Hinz, superintendent, was our host. The weather did not permit golf. The social hour and fine dinner along with a very interesting educational program made it a very enjoyable evening.

Al Hinz, one of our long time Midwest members, has retired after being superintendent at White Pines Golf Club in Bensenville for the past forty-four years. The editor and his wife had the pleasure of being among the many fine people who attended his retirement party. We all wish Al the best in his following leisure years.

Oscar Borgmier and Mrs. Borgmier have returned north after spending the winter months in Florida.

Paul Burdett and Mrs. Burdett, another retired golf course businessman, have returned to the Chicago area after living in Arizona during the cold winter months.

### LETTER TO THE EDITOR

Mr. Ray Gerber  
Editor and Chief  
The Bull Sheet

Dear Mr. Gerber:

I have followed with interest the recent articles appearing in the Bull Sheet relative to the prowess of certain nimrods in the pursuit of feathered quarry.

Having pursued a variety of winged game targets, up, under, around and through land and sea, with a fair amount of success, I feel that I am qualified to ascertain the validity of these stories.

Story No. 1. (March Issue) It was reported that one Mr. Tom Byrne silenced 270 quail in one and one half days. This figures out to 190 birds per man per day.

Story No. 2 (May Issue) It was reported that 4 men had bagged 241 quail. It was not stated how many days, so based on story No. 1, I will presume it took only one day considering the fact that there were 4 hunters. This figures out to 60.2 quail per man per day.

It has been my observation over some 25 years in the field that it takes the average gunner 10.4 rounds of ammunition to down one fleeing target. (However I must admit, with modesty of course, that my average is much better than this) Assuming the aforementioned hunters are average the hunter in story No. 1 would have used 2,808 rounds of ammunition, or approximately 5 1/2 cases of shells. A significant financial hardship, if not a physical impossibility for a hunter to carry 230 lbs. of ammunition while in pursuit.

Even the hunters in story No. 2 who used only 2,506.4 rounds of ammunition would have suffered a great deal of hemorrhaged muscle tissue in firing 626.6 shells apiece in one day.

One must also wonder about the awareness of the local law enforcement agency to allow such goings on, to say nothing of the noise, pollution and its effect on the egg laying and milk giving ability of the local livestock.

Sincerely,  
World's Second Greatest Hunter

### SELF DEFENSE

Dear Anonymous,

There have been two stories printed in this publication about my quail hunt. Now I'll set the story straight.

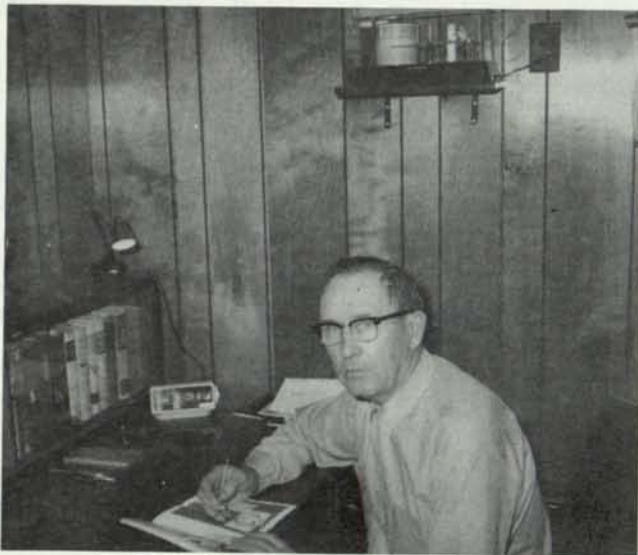
Yes, four persons were on the hunt, but only 216 birds were bagged. All this took a total of seven and one-half hours actual time in the field. I'm confident, had I spent as many hours in the field as some of my friends, I could send them some CARE packages to help their freezers out.

As for my friends who have made several trips to the field and got some shooting in, I hope you picked up the tin cans when you were done.

Tom Byrne  
Superintendent  
Addison Golf Club

\* **Editor's note:** this concludes the hunting season for 1972. . .

The future is that time when you'll wish you'd done what you aren't doing now.



### Editorial

This June issue, 1973, of the Bull Sheet is our twenty-sixth anniversary. It seems like only yesterday that the late Norm Johnson came up with the idea of a newsletter for the Midwest Golf Course Superintendents. With a little assistance from Bob Williams and the present editor, along with a few other contributors, the show was on the road.

Those of you who have saved your first Bull Sheet, dig it out of the bottom of the pile and compare it with the one of today.

The credit for the name "Bull Sheet" goes to Bob Williams. The title was originated in Germany during World War II. The name alone creates much attention.

We have been very fortunate in having a printer like "Ever-Redi" at La Grange, Illinois that has done a magnificent job with the Bull Sheet during these past twenty-six years. If any of you are in need of having some printing done for your club or place of business, give Mel Durland a ring at FL 2-4378. The deadline for all news items in the Bull Sheet is the 10th of each previous month. Advertising deadline is the fourteenth of each previous month.

There are times when the quality of news items in monthly issues could be improved, making them more interesting to the reader. This is where you come in, you as an individual. Please help by sending the editor pictures, news items, and bits of knowledge you have acquired from others. How about an article each year? Thank you.

This Bull Sheet comes to you twelve times each year. How much of your yearly dues goes toward the publication of this Bull Sheet? The answer is nothing. You may ask, where the money comes from; it is contributed by our advertisers, they get the credit. You may show your appreciation by supporting them when you make a purchase.

The cost to deliver the Bull Sheet, as you may be asking yourself, is approximately one dollar. Where else can you get a deal like that? And furthermore, the advertising rates have never changed in all these twenty-six years.

I am happy to say that four of the Bull Sheet's original advertisers have continued all these years. They are: Burdett, Inc.; George A. Davis, Co.; Roseman Tractor Equipment, Co.; Swift and Co. The Bull Sheet thanks all of you, past and present, for being such a big help to our success.

Our publication of the Bull Sheet has on its mailing list several colleges, universities, advertising agencies, and golf course superintendents and associates in various parts of the United States. This we are happy to do.

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Upon arrival board special **Charter Bus** to convention in Anaheim.

Hotel arrangements on own.

Board special **Charter Bus** to Los Angeles International Airport for connection to Honolulu.

Board "Jumbo" jet non-stop to Honolulu.

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**Charter Bus** to Waikiki Beach Front Hotel.

Staying at Waikiki Sheraton or comparable.

#### Ninth Day

Board bus at 9:00 a.m. for three hour **City Sightseeing Tour** including the sights of Royal Palace, Punch Bowl, National Cemetery and other points of interest.

Balance of day free to shop and relax.

Evening enjoy a typical **Hawaiian Luau**.

#### Tenth Day — Morning for personal activities.

Hotel pick-up at 12:30 p.m. for transfer to **Pearl Harbor Cruise**. Enjoy an afternoon on a motor vessel going into the Harbor where the captain of the ship narrates in detail the "Day of Infamy" as you cruise along Battleship Row. Transfer back to hotel.

Evening free.

#### Eleventh Day — Morning free for personal activities.

Hotel pick-up at 1:30 p.m. for excursion to **Polynesian Cultural Center**. Truly interesting afternoon to browse through the villages of Polynesia, Samoa, Fiji, Tahiti. Dinner is included followed by spectacular two hour evening show.

#### Twelfth Day thru Fifteenth Day

Mid-morning transfer to airport, for short flight to the outer island of Maui.

**Transfer** to hotel (Breakfast and Dinner included).

Three days of leisure to enjoy the beautiful island and the historical whaling town of Lahaina.

#### Fifteenth Day

**Transfer** to airport for short flight back to Honolulu to make connection for non-stop jumbo jet to Chicago.  
Aloha

### COST SHEET

Please note in reviewing the itinerary:

1. All transfers are based on charter bus. Should group not be large enough for charter (38 to 40 people) eleven passenger limos will be substituted at slightly higher cost.
2. All items of sightseeing and entertainment underlined are optional but included in overall cost and are highly recommended.
3. All prices quoted are based on double occupancy and existing tariffs, and could be subject to change before departure.
4. Space not confirmed until deposits of \$100.00 per person are received. Final payment due thirty (30) days before departure.

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All transfers and sightseeing per itinerary

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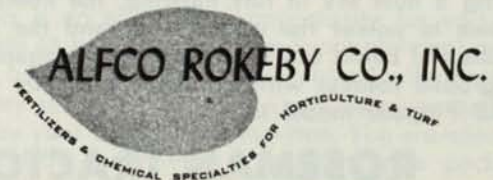
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If we noticed little pleasures,  
As we notice little pains,  
If we quite forgot our losses  
And remember all our gains  
If we looked for people's virtues  
And their faults refused to see,  
What a happy, cheerful place  
This world would be!



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**THE PENNSYLVANIAN TURFGRASS COUNCIL, INC.**

Mr. Ray Gerber, Editor  
865 Hillside Ave.  
Glen Ellyn, Ill. 60137

Dear Ray:

Hearty Congratulations to every one who has helped to make the BULL SHEET what it is and to improve it in each of the twenty-six years of its existence!

The fearless forthright statements in the President's Message are to be commended. No one need be in doubt as to his convictions.

I know of no other Newsletter that publishes pictures of equal excellence and clarity. Keep up the good work!

Midwest Breezes "tells it like it is." I enjoy Editor Gerber's pithy comments.

Advertising is in good taste and attractively composed to complement news and comments.

You may well be proud of the editorial skills of a number of your members. They write well and convincingly. A shining example is Oscar Miles review in the May 1973 issue. His training is showing!

It was my good fortune to have entered the Midwest realm in 1931. I was fresh out of the University of Nebraska with a huge desire to be a part of the Turf picture. It was my good fortune to have called "friend" to the giants of the Midwest—who helped to put the show on the road.

Thank you for permitting me to be a part of your fine organization over these 26 years, some of which were rough.

Finally, permit me to make a suggestion. The BULL SHEET would be easier to read and to file if it were mailed flat in a 9 x 12 envelope. The postage would remain unchanged, I think.

Good Luck in the years ahead as we continue to witness change which, after all, is the name of the game.

Sincerely yours,  
For Better Turf,  
Fred V. Grau  
Executive Director

TO: All My Friends in Turfgrass  
FROM: Fred V. Grau  
DATE: May 10, 1973  
RE: Change in Status

Many of you have suffered with me during occasions of personal tragedy for which I shall be eternally grateful.

Now I hope that you will rejoice with me on the occasion of having Frances Holyoke McCoy become Mrs. Grau shortly after July 1, 1973. Mrs. McCoy was Frances Kimball Holyoke, who was graduated from the University of Nebraska in my class of 1931. She is currently employed by the Omaha World Herald as an assistant editor. The ceremony will be performed in Maryland, date and place not yet determined. We will live at 4604 Amherst Rd., College Park, Md. 20740.

Frances will do free-lance writing and will assist me in my consulting agronomist profession.

TO: GCSAA Chapter Officers, Newsletter Editors, and Chapter Affairs Representatives.

FROM: Conrad L. Sheetz, Executive Director  
SUBJECT: Special Merit Award

Each year, the GCSAA Executive Committee will consider nominations for the GCSAA Special Merit Award at its Fall Meeting.

To be accepted for the Special Merit Award, a nominee must meet the following qualifications:

1. Must have made an outstanding contribution to the advancement of the profession of Golf Course Superintendency.
2. The outstanding contribution may be, or have been, regional in nature as long as it can be judged to have significantly advanced the profession nationally or internationally.
3. The nominee must not have been a recipient of this award during the preceding ten (10) years.

An individual(s) may be nominated by: A Chapter of GCSAA, and individual Class A or B member of this Association, the Association Planning Committee, or the Executive Committee.

This is an exceptional opportunity for you to participate in honoring a fellow Superintendent or others who have contributed significantly to the profession.

Very serious consideration will be given each nominee by your Executive Committee. You are encouraged to provide them with a comprehensive package of supportive data.

Please submit your nominations to this office by September 15, 1973. We will collect all nominations received at that time and forward them to the Chairman of the Public Relations and Awards Committee.

The sympathy of the Midwest Golf Course Superintendents Association is extended to the family at the death of Steve Puzin, on the first of May, 1973. Steve served Bob O'Link Country Club for approximately forty years. Most of these years as the golf course superintendent prior to, Bob Williams.

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KALAMAZOO, MICHIGAN—April 26—Precision turf insect control is now possible through the use of a unique product introduced by TUCO, Division of The Upjohn Company.

Called Diagnostic Aid, the product provides the means for analysis of certain insect populations in turf, both before and after insecticide treatment. It is available in conjunction with Proxol 80 SP, a turf and lawn insecticide recently introduced by TUCO.

TUCO researcher Dr. Price Parham explains that Diagnostic Aid, when applied to a small representative area of turf, will immediately cause certain insect species to surface where they can be identified.

"While the product is not designed to kill insects, application of Diagnostic Aid causes mobile forms of certain soil insects to come to the surface within 10 minutes," Dr. Parham said. "By identifying and counting the numbers of different species driven out of the soil, an effective control program can be prescribed for those specific insects. And after the control program is completed, Diagnostic Aid can again be used to evaluate the effectiveness of the program.

"This before and after usage of Diagnostic Aid should greatly reduce the need for wholesale application of everything in the spraying arsenal just to make sure all possible pests are killed. A new era of programmed turf care is now practical," he added.

A small amount of Diagnostic Aid is applied in water over one square yard of turf or lawn. This procedure is repeated in two to three similar areas per 5,000 square feet. Application requires no specialized spraying equipment, since only a common sprinkling can is required. Larvae of cutworms and sod webworms respond immediately to the treatment, and earthworms can also be detected.

Diagnostic Aid and Proxol insecticide are available from TUCO distributors throughout the United States.

For further information, contact: Gary Myers, Reiman Associates 414/272-5410.

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Walking for an hour can get rid of anywhere from 270 to 350 calories, depending upon the speed of your walk. The faster you walk, the more calories you burn off. If you run for an hour (not to be recommended unless you are in good shape or have a doctor's OK), that's 800 to 1000 calories taken away; dancing for an hour, 200 to 400; golfing, 300 (no fair riding around in a cart); skiing, 600 to 700 and tennis 400 to 500.

## Canker Worms

by Stanley Rachesky

Entomologist — University of Illinois

For more than two centuries outbreaks of cankerworms have periodically defoliated shade and fruit trees in various sections of the United States. In unsprayed or poorly sprayed orchards they may cause complete defoliation and loss of the crop; but they are of no importance in well-sprayed orchards.

The foliage of the trees is eaten and skeletonized by these measuring worms. The injury occurs just about the time the trees have come into full foliage. Silken threads are spun from branch to branch on the tree and from the branches to the ground.

Brown and brownish-green measuring worms about an inch long spin down from the tree when it is jarred or shaken. Heavily infested orchards have much the appearance of having been scorched by fire.

Trees attacked include apple, elm, and many other fruit and shade trees. Distribution is generally east of the Rocky Mountains, southeastern Canada; also in California and Colorado.

Life History, appearance, and habits of cankerworms are as follows:

The winter is passed in the form of naked brown pupae about half inch long by one-eighth inch thick. These pupae are found in the soil from 1 to 4 inches below the surface, and in greatest numbers close to the base of the trees.

The moths begin emerging during warm periods in February and continue coming out until the end of April. The male moth is strongly winged and is of a dull-gray appearance, being much the color of a well-weathered piece of board. These moths may be seen flitting out from tree to tree at dusk and after dark on spring evenings.

The female moth is wingless, with a gray spider body. She differs from the fall cankerworm female by having a dark stripe down the middle of the back and two transverse rows of small reddish spines across each abdominal segment on the upper side.

On emerging from the ground, the female crawls to a tree and up the trunk, or onto the branches, where she mates with the male and deposits her oval dark-brown eggs in irregular masses under the loose scales of bark.

These eggs hatch in about a month into small greenish or brownish measuring worms, which at once begin to feed on the foliage. These worms can be distinguished from the fall cankerworm by having only two pairs of prolegs, near the end of the body. They vary from light-brown to nearly black and usually have a yellowish stripe below the spiracles and under parts are partly black.

When not feeding, the larvae tend to rest upon the twigs more than upon the leaves. They feed for three weeks to a month and, if abundant, may completely strip the foliage from the trees. At the end of the feeding period they crawl or spin down to the ground where they excavate the small cells in which they change to the pupal stage and pass the remainder of the summer and the following winter.

**CONTROL MEASURES** The University of Illinois recommends Sevin (Carbaryl) for the control of the inchworm. This chemical is available as a 50 per cent wettable powder and can be purchased at a local garden center or hardware store. Recently the disease organism, **Bacillus Thuringiensis** (Biotrol, Dipel,

Thuricide) used as a spray has received legal clearance for use. It's very effective.

A band of sticky material such as tanglefoot around the trunk of the tree, from 2 to 4 feet off the ground may help to control this worm. However, this is impractical in a heavily wooded area, because of all the trees. If all trees within 200 feet were treated as some people recommend, this would also be impractical because the moths and small larva may be blown into the banded trees by strong winds from infested trees nearby.

Treatment of large trees with Sevin is really not necessary because these large deciduous trees will leaf out 3 or 4 times a year, so those trees which are defoliated now, in a couple of weeks will be leafed out again. Spraying of smaller shrubs that are infested with the inchworm on a homeowner's property and also young saplings probably is a good idea.

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