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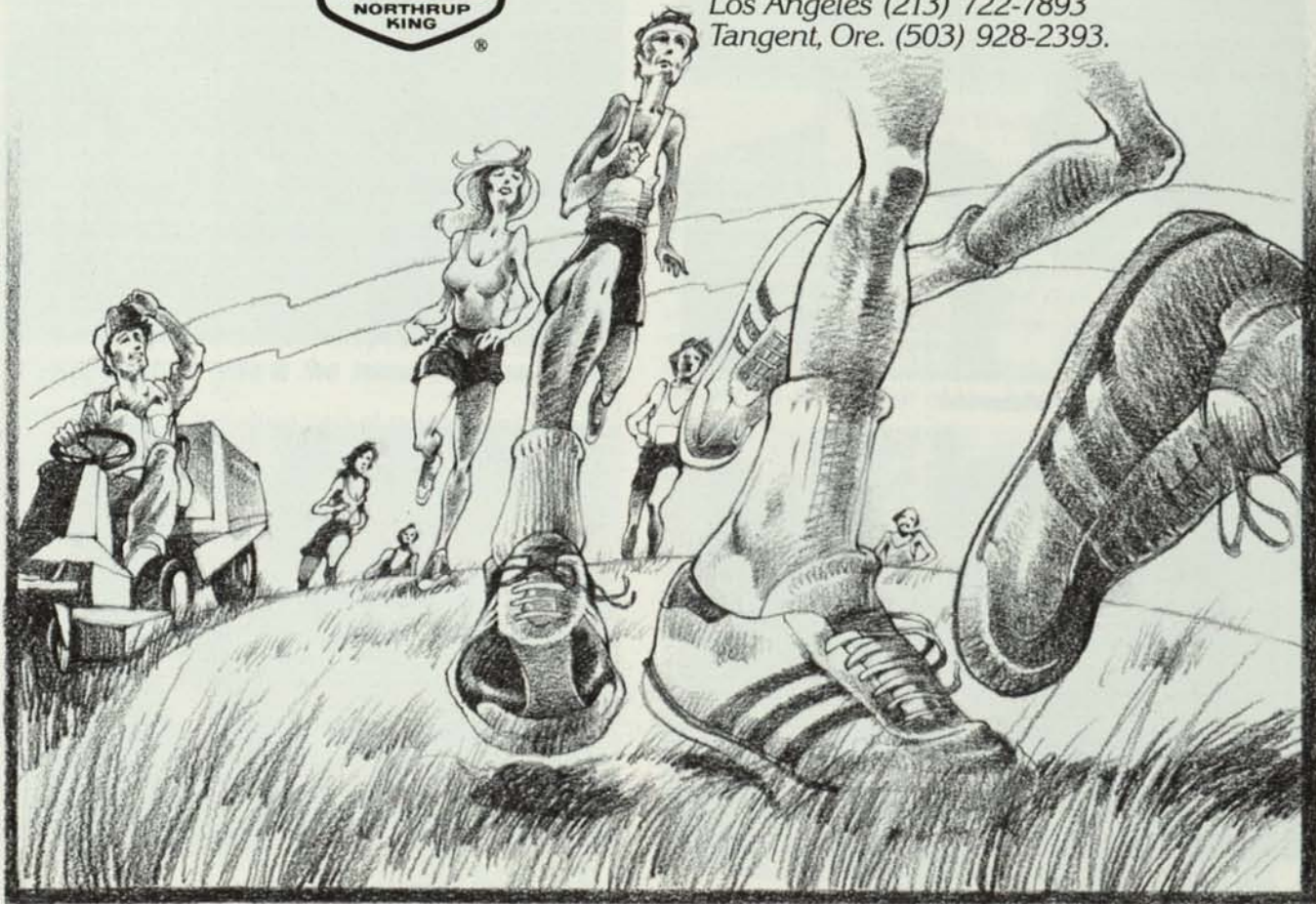
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Center - Tony Meyer, Right - David Meyer



Mr. & Mrs. Ed Wollenberg



I. to r. - R. Richardson, Mr. & Mrs. Roger Brown



I. to r. - Rick Johnson, Rick Hahn, Steve Van Acker, Sandy Knulty, Jim Knulty.



Peter Voykin, Gordon Witteveen



I. to r. - Mrs. W. Saielli, Mr. & Mrs. R. Richardson, F. Krueger



I. to r. - Mrs. T. Meyer, Mrs. B. Breen



I. to r. - Chris Pekarek, Paul Ardissono

MIDWEST BREEZES

The GCSAA Educational Conference & Equipment Show in St. Louis is now history. It was a success in every way. 7,077 attended the show. 600 enjoyed the banquet, the entertainment was furnished by the Purdue Glee Club, and was outstanding. Over fifty foreigners from different countries attended the show.

Melvin B. Lucas, Jr., CGCS Supt. Piping Rock Club, Locust Valley, Long Island, NY was elected president of the GCSAA. **Michael R. Bavier**, CGCS Supt. of Inverness Golf Club, Palatine, IL was elected Vice President. The get acquainted party on Monday night was one of the best.

The Midwest Assoc. hospitality room was a very popular place during the week. The bartenders were specially chosen from the M.A.G.C.S.

The January-February issue of the United States Golf Assoc. Golf Journal had an article written by Frank D. Tatum, Jr. The following is part of his article and I will quote his words.

"Courses in this country are designed and maintained in such a way that too much (virtually all) of the game is played in the air. As golf originated (and happily is still played) on the links in Scotland, however, it is a game with an important phase taking place on the ground. Two vital elements involved in the Scottish game are missing from ours. One is the necessity to calculate a good deal of bounce and roll in playing a shot. The other is the element of chance - the chance that the bounce or roll may not come off as planned. The Scottish game simply leaves more to the imagination and playing golf this way induces a special exhilaration that is missing in a totally airborne game. I think it takes more skill to play the Scottish game: I know it takes more character. The problem, simply put, is one of too much water. This has been endemic to this country for a long time. As the game here came more and more to be played in the air, with bounce and roll relatively negligible factors, heavily watered golf courses became easily justified. As a related factor we seem to care more about how a golf course looks than about how it plays."

"The game in this country therefore has largely become a slog from one mushy lie to another, with greens that will hold virtually any sort of a shot however struck and which are so slow they can be putted with relative impunity, because the misjudged or miss-hit putt will not go very far."

Editors Note: This is a small part of the fine article that Mr. Tatum, Jr. has in the January-February 1980 U.S.G.A. Journal. Every golfer and course Supt. should read it and remember his words and try to conserve on water or we may find ourselves without it in the near future. Mr. Tatum, Jr. also mentions in his article the motor driven riding golf cart - what it has done to the game of golf and the golf course. This editor knows it has changed the game and certainly knows the close companionship in walking down the fairway rather than riding in a cart. I am sure the golf course Supt. and the golfer knows there has been some problems due to their use. Not all of this is the fault of the cart. The cart goes where the operator drives it. The operator should be educated before he or she is permitted to take the cart on the golf course. I am sure we all know that the riding golf carts are here to stay. The revenue that the golf clubs receive from their use makes up a big part of their budget. This alone is a good selling point. The riding

golf cart is responsible for many extra rounds of golf not only by the person who is unable to walk very far but also for the one who likes a late afternoon game.

Caddies at public daily fee courses are a thing of the past. One golf club in the Chicago area that has four eighteen hole courses own and operate over four hundred carts and some of them go out twice a day. A golf course needs extra construction work and planning to successfully handle this type of an operation.

On January 25th, 1980 the United States Golf Assoc. Green Section held their annual educational session at the Ritz-Carlton Hotel in Chicago. 250 golf course Supts., club officials, and others interested in golf attended. The green section committee did an excellent job in arranging this program. The U.S.G.A. Green Section had the premiere showing of their new film, "The Golfer and the Course". This film shows the etiquette of the game of golf and all golfers should be required to make an attempt to see it. I understand it can be rented for a small charge. I highly recommend it.



Mike Bavier

MICHAEL R. BAVIER, CGCS, ELECTED VICE PRESIDENT OF THE GOLF COURSE SUPTS. ASSN. OF AMERICA AT NATIONAL MEETING

February 20--**Michael R. Bavier**, CGCS, golf course superintendent of the Inverness Golf Club, Palatine, IL, was elected vice president of the Golf Course Superintendents Association of America at its 51st annual meeting held in St. Louis.

Bavier has been a member of GCSAA for 14 years and has served as director of the Association for the past four years.



Mr. & Mrs. Pete Leuzinger



DDT LEVELS IN HUMANS

Scientists at EPA announced that levels of DDT in human fatty tissues are decreasing. The national average in 1974 was 5.0 ppm, down from 7.9 ppm five years earlier. Only 26 of the 6,082 samples tested during the five years were free of DDT. Of particular interest was the very low figure of 2.3 ppm in the 0-14 years age group. Many in this group were born after the cancellation of all agricultural uses of DDT in 1972 and a decline in DDT usage which actually began a few years earlier. Fatty tissue samples were obtained from medical pathologists at statistically selected sites throughout the 48 mainland states.

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It makes no difference if the leaves are wet or dry because the Jacobsen-designed rubber finger pick-up system picks them up anyway.

Jacobsen has not only made sweeping easy, it can be done faster than ever. One man can do the work of five with rakes, only quicker. The 720E-HL cleans up a 5-foot wide path,

and stores the debris in the big, 5-cubic-yard hopper.

When the hopper is full, the driver can hydraulically raise the hopper to any height up to 8½ feet, then dump the debris into a truck or trailer. This eliminates piles of debris that have to be hauled away later. Another cost saving idea in itself.

The 720E-HL comes with a husky 14-hp electric start engine, and a standard hitch, which means any vehicle with a pin drop couple can tow it.

And, with the optional thatcher-thinner attachment,

the driver can dethatch turf while sweeping.

The 720E-HL is only one in a line of four Jacobsen sweepers. So, whatever your turf sweeping needs happen to be, we've got the right sweeper to do the job best.

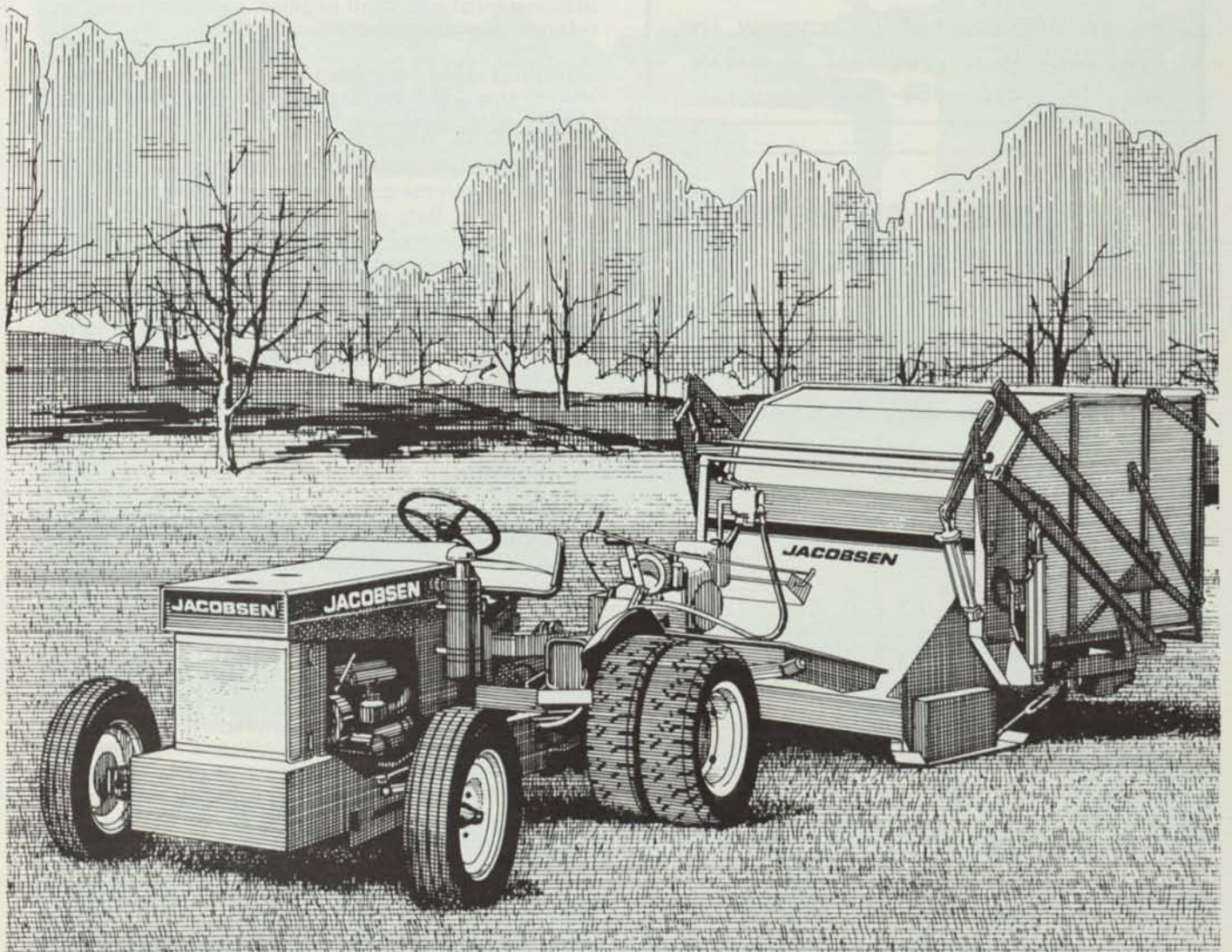
Like we said, sweeping turf with Jacobsen is about as easy as a walk in the park. Ask us for a demonstration. After you've seen all it can do, you'll know we've been listening to our customers.

We hear you.

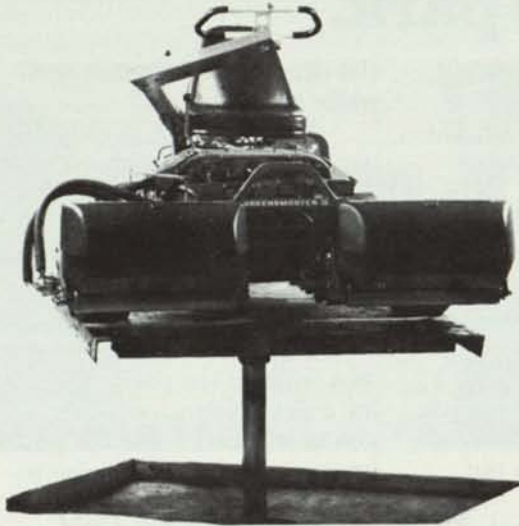


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HENRY FRENZER

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620 Webster St.
Algonquin, Ill.
60102

Dear Ray:

Following is a copy of a Bulletin issued by Tecumseh Products Company regarding the use of Gasohol in small engines. The question of Gasohol use came up at our Turf Service School, which was held at River Forest Golf Club, January 8th - 11th.

Our Service School was a huge success and well attended.

If you haven't heard by now, at the Toro Regional meetings in Scottsdale, AZ, last week, Steve Stewart and Jim Reed were both honored with awards. Steve received the "Green Blazer" award and Jim was named "Regional Sales Leader", which is a new award only bestowed on previous, "Green Blazer" winners.

Duane H. Cotte
Chicago Toro Turf-Irrigation, Inc.

GASOHOL AND SMALL ENGINES MAY NOT MIX

Now that Gasohol has been appearing in service station pumps and receiving widespread publicity, the handyman naturally asks, can I use Gasohol in my lawn and garden equipment? Should I use it?

Scientists at the Tecumseh Research Laboratory, Ann Arbor, Michigan, have issued a cautionary warning regarding its use in small engines. The lab is operated by Tecumseh Products Co., a firm with sales of \$750 million annually in small engines, air conditioning and refrigeration compressors.

In 1974, the company developed a blend of 10% anhydrous isopropyl alcohol and 90% gasoline (labeled IPA) to stop corrosion caused by tiny fuel residues that remained in every one of its engines after factory-testing.

Use of this mixture successfully cured problems associated with the condition commonly referred to as "sour gas". But, warn the scientists, there's a difference between Tecumseh's test fuels and Gasohol, and a difference between automobile engines and small engines for outdoor power equipment. Anhydrous isopropyl alcohol reacts with the peroxides which develop in fuel because of the water content in the gasoline, it neutralizes them, and in the process gets converted to acetone, which is harmless to engines. However, Gasohol generally contains grain or methyl alcohols that are not anhydrous. These alcohols react with the water content present in Gasohol, and tend to form strong acids which can corrode metal parts, even eat rubber and plastics.

This is particularly evident in cases of off season storage of lawn and garden equipment where the fuel supply is likely to be stored for a long time.

There's also a significant difference between automobile and lawn and garden equipment engines. Except in cold starts, a car does not run with rich fuel-air ratios. Government required efficiency and emission controls preclude consistent rich operation. However, in small engines the situation is different. They **do** run rich, and they **are** stored for long periods. Here, the potential for corrosion comes from the acid formations.

Tecumseh's scientists advise you to play it safe. Decide for yourself the pros and cons of Gasohol in your automobile. But, save potentially expensive repairs and parts replacement costs by using only unleaded regular gasoline or leaded regular gasoline in your outdoor power equipment.

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The Core Processor attaches exclusively to the Greensaire II. As the cores are ejected, the Core Processor catches them and separates the soil from the thatch and plant material... sifting the good soil back onto the green for top dressing, while depositing leftover material in a big debris catcher.



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IN YOUR GARDEN APPLE MAGGOT

Have an apple tree with lumpy apples last year? Then you probably failed to control the insect called Apple Maggot, according to James A. Fizzell, University of Illinois Horticulturist in Cook County.

Eggs are laid by adults just beneath the skin of the apple and larvae of this insect feed in the apples during the months of late June, July, August, and early September. Wherever the maggot bores through the apple, it leaves a depression or dimple. In severe infestations, much of the apple may be affected during the period of time it is growing, resulting in a very lumpy apple. Close inspection will also show that small brown lines occur immediately under the skin and in the flesh of the apple through which the maggot tunneled. The fruit may still be edible for cooking even though it does not look very appealing.

The adult of the apple maggot is a fly which feeds on sugary moisture on leaves of the tree. Consequently, the adult can often be killed before egg laying takes place. Control the adult with a multipurpose fruit spray or home orchard fruit spray. While the first application should be made as soon as the flowers fall off and repeated every 10-14 days, it is particularly important to maintain good coverage in late July and early August when maximum egg laying takes place. Be sure to thoroughly cover all foliage and fruit to the point of runoff. This will take several gallons of spray per tree. If it rains within 24 to 48 hours after application, you may have to re-spray for best results, applications to be made every two weeks until 14 days before harvest. The fruit sprays break down into non-toxic, degradable compounds 10-14 days after application.

**James A. Fizzell, Sr. Ext. Advisor
Horticulture, University of IL**

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256	6"	7 1/2"	\$47.40
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411	4"	7"	\$31.90
411	6"	7"	\$67.76
411	8"	7"	\$65.51

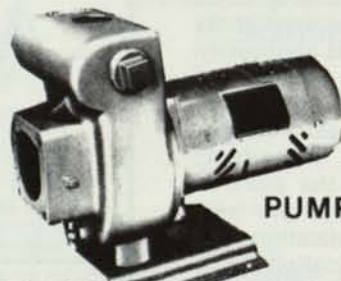
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