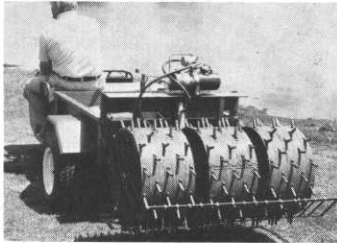


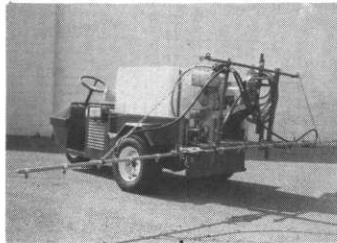
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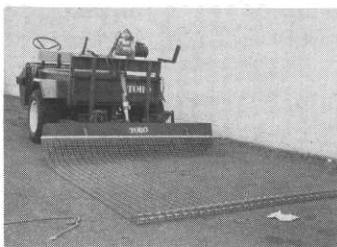
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BALL DIAMOND MACHINE
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Players Hail Hazeltine

Golf Tournament Chairman Carl Johnston did not overlook a single aspect in his planning and execution of this year's Annual Golf Tournament. The day turned out to be perfect in every respect with the weather cooperating 100% and the course groomed to absolute perfection by the host superintendent, Nick Dunn of Hazeltine. Over fifty-five groups were able to be accommodated under the new double shotgun format instituted this year. Those who did participate will not soon forget the pleasure of hosting their club officials in such great surroundings. While no one was able to win the boat and motor or the club car, many superintendents did not go home empty handed due to the more than ample amount of prizes that had been arranged by the Tournament Committee. Capping off the day's activities was a finely fashioned hors d'oeuvre table followed by a superb steak dinner. Thanks once again to Carl Johnston and his committee and to the entire Hazeltine staff for an absolutely delightful day.



DOUBLE DISTRACTION. John Fuller seems to be more concerned over the raffle girls than he is about the upcoming shot to win the beautiful boat and motor.



PROFESSIONAL PAR EXCELLENT. Bob Reith, Jr. of Edina C.C. won low professional by shooting a nifty 70.



"OFFICIAL" WINNERS. Carson Herron, right, of Wayzata won the low club official award while Director Rebholz smiles over a prize won in the Calloway.



SUPER SENIORS. Congratulations to Charley Tillman, left, low net senior and John Fuller, 2nd low net.

GOOD NEWS

Settlement Reached on Mercury Uses on Golf Courses

by Dr. Ward Stienstra

The Environmental Protection Agency has reached an out of court settlement with producers of mercury pesticides. Some will be phased out altogether by August 31, 1978 and others are restored for certain golf course uses. I believe the efforts of the Minnesota Golf Course Superintendents' Association had an effect on this decision and I know the data generated in Minnesota was used to support the restored registration.

First, the manufacture of mercury products to treat summer golf turf diseases is limited to no more than the equivalent of two years of previous production, less than 50,000 lbs. and all production will cease on August 31, 1978. Second, the use of mercury pesticides to control winter golf turf diseases was reinstated with some additional restrictions. These restrictions are:

1. Limit use to professional golf course superintendents or persons under their direct supervision.
2. Limit application of winter golf course products to greens, tees and aprons.
3. No application of winter golf course products within 25 feet of bodies of water containing fish that might be eaten by people.

This will decrease the use of mercury pesticides and reduce the possibility of human exposure. This settlement concludes a long series of EPA actions concerning mercury which began in 1970. EPA issued a notice of intent to cancel all registrations of pesticides containing mercury on March 22, 1972. Hearings on the issue began October 1, 1974 and concluded on November 17, 1975 when the administrative law judge studied the evidence. He concluded that while not a black and white situation or that mercury pesticides pose no risks, that some turf fungicides registrations not be canceled. Mr. Train, EPA Administrator, did not reach the same conclusion and on February 17, 1975 issued a cancellation order. On March 2 a temporary stay of the cancellation order was granted so production could continue at levels not to exceed the average monthly amount produced the year preceding.

The out of court settlement which was released on August 27, 1976 does not limit mercury production for winter turf disease control. I'm told that the supply will be short this fall, but production is beginning!

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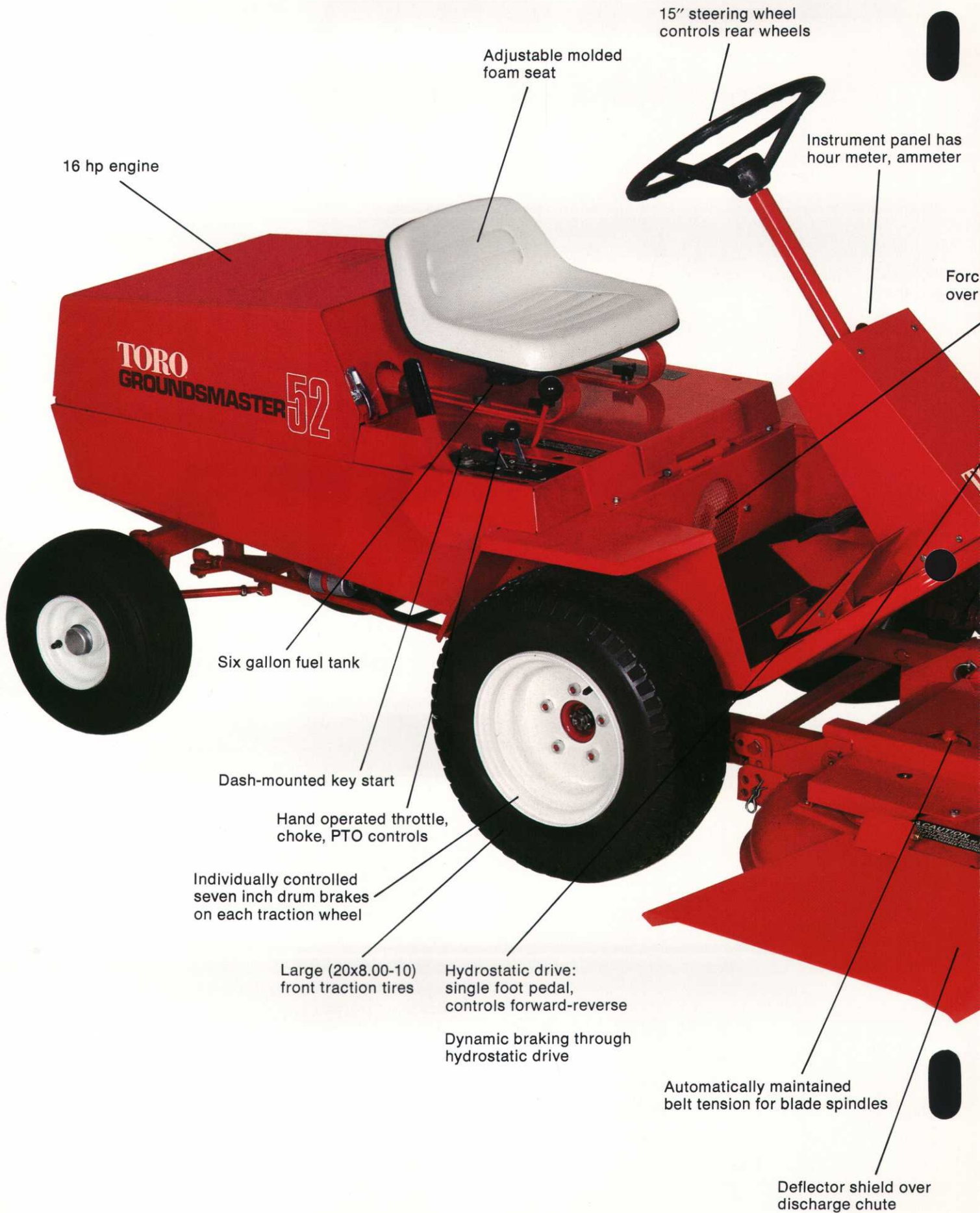
LUCKY KEITH. Grand Prize raffle winner
Keith Scott with T.V. set.

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A new dimension in riding rotaries: the perfect mid-size mower. Big enough to mow up to 18 acres a day. Maneuverable enough to mow, and trim, an acre or less. Groundmaster 52. With hydrostatic drive and clean, simple engineering all the way. Haven't you done without a new Toro long enough?



16 hp engine

Adjustable molded foam seat

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Instrument panel has hour meter, ammeter

Force over

TORO
GROUNDMASTER **52**

Six gallon fuel tank

Dash-mounted key start

Hand operated throttle, choke, PTO controls

Individually controlled seven inch drum brakes on each traction wheel

Large (20x8.00-10) front traction tires

Hydrostatic drive: single foot pedal, controls forward-reverse

Dynamic braking through hydrostatic drive

Automatically maintained belt tension for blade spindles

Deflector shield over discharge chute

Meets ANSI specifications
(see Toro specs)

Two hydraulic cylinders
lift deck for transport

Implement drive through
PTO 1" splined shaft

and air ducted
transmission

Rounded deck is offset
10¼" to left for trimming
under overhangs

5" deep deck stamped
from 12 gauge steel

Three 1" spindles on two
tapered roller bearings

Height of cut field-
adjustable from 1" to 4"

Front mounted cutting
unit in full view of
operator

Free-floating deck
follows ground contours

Measure it against any other!

Features and benefits of the Groundsmaster 52

- 1 Hydrostatic drive** gives superior maneuverability: single pedal controls forward-reverse with no gears, no shifting, no wasted time. And there's a continuous range of ground speeds (0-5 mph mowing) for great cutting control under all conditions (unit transports at up to 8.5 mph, depending on conditions).
- 2 12 gauge stamped steel deck** is five inches deep for excellent discharge of clippings. 10¼" offset to left and smoothly formed shape contribute to ease of trimming around trees and under shrubbery.
- 3 Safety features** include dynamic braking for greater control; unobstructed operator view; interlock switches to prevent starting or leaving the machine running with traction pedal or PTO shaft engaged; low center of gravity for improved stability on sidehills; deflector shield over discharge area.
- 4 Clean, simple engineering** makes the Groundsmaster 52 easy to maintain and easy to operate. It's built for years of dependable, day-in day-out service.

GROUNDMASTER 52 SPECIFICATIONS

PRIME MOVER (MODEL NO. 30550)

ENGINE	Briggs & Stratton, 1-cylinder, air-cooled. 16 HP @ 3600 RPM, 32.4 cu. in. displacement. Splash oil system. 4 pt. oil capacity, cast iron cylinder block, mechanical governor limits speed to 3300 RPM, electric start.
FUEL CAPACITY	6.0 gallons.
TRACTION DRIVE	Variable (between 0-8.5 MPH) hydrostatic transmission mounted on GT20 Dana axle—20.9:1 ratio. Single foot pedal control of ground speed and forward/reverse. 25 micron replaceable filter. 5 qt. oil capacity.
GROUND SPEED	0-8.5 MPH.
TIRES/WHEELS/PRESSURE	Two rear steering tires 15 x 6.00 2 ply rib. Two front traction drive tires 20 x 8.00-10 2 ply SOF-TRAC demountable rims. Recommended tire pressure 10-15 psi depending on mowing conditions.
MAIN FRAME	All welded formed steel reinforced with square tubing.
BRAKES	Individual 7" drum type wheel brakes and parking brakes on front traction wheels. Dynamic braking through traction drive.
STEERING	Automotive steering gear assembly. 15" steering wheel.
CONTROLS	Hand operated throttle, choke, PTO, parking brake, and implement lift.
GAUGES	Hour meter, ammeter.
SEAT	Low back molded foam seat. 4½" fore-aft slide adjustment, on leaf-spring suspension.
ELECTRICAL FEATURES	12 volt, 66 plate, 61 amp-hour capacity battery. Dash-mounted ignition switch. 3.2 amp, 12 volt dual circuit alternator with 60-100 watt A.C. lighting circuit.
WEIGHT	780 lbs. prime mover.
IMPLEMENT DRIVE	1" diameter splined PTO shaft clutched by two tight-slack "A" section belts.
CERTIFICATION	Certified by U.S. Testing to meet ANSI B71.1a—1974 which is specified in Federal and State OSHA regulations.
INTERLOCK SWITCHES	Prevent starting engine if traction pedal or PTO lever is engaged. Stops engine if operator leaves seat with either traction pedal or PTO lever engaged.
CUTTING UNIT	(MODEL NO. 30545)
TYPE	51¾" width of cut, three blade, front mounted rotary.
PERFORMANCE	Mows up to 18 acres in an 8 hour day @ 5 mph (2.25 Acres/HR.) depending on conditions. Deck offset 10¼" to the left; 10" uncut circle to the left.
HEIGHT OF CUT	1" to 4", adjustable in ¼" increments in front. Four corresponding increments in the rear.
CONSTRUCTION	12 gauge stamped steel 5" deep Wind Tunnel® housing.
CUTTER DRIVE	PTO driven bevel gear box. "AA" section belt drive to all spindles. 1" regreaseable spindles with one double row tapered roller bearings.
BLADES	Three 18" long, 3/16" thick, heat treated steel blades.
SUSPENSION	Two 8" front wheels. Suspended off the prime mover at rear.
LIFT	Two hydraulic cylinders.
WEIGHT	180 lbs. cutting deck.
CERTIFICATION	Certified by U.S. Testing to meet ANSI B71.1a—1974, which is specified in Federal and State OSHA regulations.
OVERALL DIMENSIONS AND WEIGHTS	
PRIME MOVER	Length 74", Width 42", Height 47", Weight 780 lbs.
DECK	Width 65", Weight 180 lbs.

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Green Clippings

CLIP 1: The Wadena Country Club is looking for an experienced Golf Course Superintendent. Wadena is a 9-Hole course in middle Minnesota. Salary is negotiable. The course has grass greens, watered fairways and modern equipment. Interested persons should apply to: Wadena Country Club, Inc., Box 446, Wadena, Minn. 56482.

CLIP 2: John Heimsness, Golf Course Superintendent in Moorhead, Minnesota, is looking for a mechanic or assistant mechanic for the 18-Hole Moorhead Country Club. For more detail contact John at (218)233-3831 or write him in care of the Moorhead Country Club, 2101 North River Drive, Moorhead, Minnesota 56560.

CLIP 3: California's Monterey Peninsula has been selected as the site of this year's G.C.S.A.A. Pre-Conference Tournament. February 3 and 4, 1977 are the dates for the tournament so make your plans early. Participants will play Monterey Peninsula Country Club's Dunes Course and Spyglass Hill, both famous for their beauty and uniqueness. The 36-Hole stroke play is open to G.C.S.A.A. members, exhibitors, club officials and guests of G.C.S.A.A. members. Women's play will be February 3 on the Rancho Canada Golf Club. More complete information will be forthcoming in future issues of HOLE NOTES.

CLIP 4: While on the subject of the Portland Show, we have learned that singer, Cathy Johnson, and comedian, Glenn Ash, are going to headline the entertainment portion of this year's conference. Cathy Johnson's versatile repertoire has pleased audiences from New York to Tokyo, while Glenn Ash has appeared on such shows as the Tonight Show, Dean Martin Show, and Laugh-In. It looks like the annual banquet will once again be a gala affair.

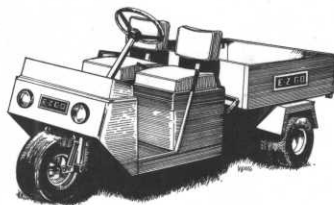
CLIP 5: For Sale: Dick Ulrick of the Lafayette Club has a 1972 Bolens "Groundskeeper" for sale. This riding vehicle has 4 wheel drive, power steering and an electric start engine. Also included is the following equipment: 4 bladed 60 inch rotary mower, snow blower, snow plow, and enclosed cab with heater and windshield wiper. The cost new was \$6,000.00. It has been used for two years and Dick will sell it for \$2,900.00. This machine is ideal for a 9-Hole golf course, park system or an industrial company with large grounds. If interested call Dick Ulrick, work-(612)471-8493; home-(612)544-0880 or write care of the Lafayette Club, Minnetonka Beach, Minnesota 55361.

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December 1, 2 & 3, 1976



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Education, Business Meeting, Surprise Stag, Ladies Hospitality Room, Bull Session and Banquet

CONFERENCE PROGRAM

Wednesday-3:00 p.m. Registration
5:00 p.m. Annual Business Meeting

Thursday Morning - Welcome
Education
Afternoon - Thinking Superintendent
Bull Session
Stag

Friday Morning - Education
Afternoon - Education
Evening - Annual Banquet

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FEATURED PARTICIPANTS

G.C.S.A.A.	- National Officer to be announced
U.S.G.A.	- Representative to be announced
Ward Steinstra, Ph.D.	- Dept. of Plant Pathology U of M
Don White, Ph.D.	- Dept. of Horticulture U of M
David French, Ph.D.	- Dept. of Horticulture U of M
George Blake, Ph.D.	- Soils Dept. U of M
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