

## Special for This Issue

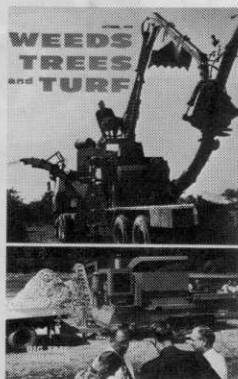
- Big Tree Chippers** ..... 8  
*Whole trees up to 20 inches in diameter or trunk sections up to four feet in diameter disappear into chips in a matter of seconds. Cities can solve disposal problems and sell the chips.*
- Hydrionic Method Patented for Killing Aquatic Weeds** ..... 14  
*Robert W. Hyde of Crystal River, Fla., tells how he uses commercial sulfuric acid to kill weeds in running water.*
- Irrigation Ditch Weed Control** ..... 16  
*This is a success story with Princep from the Sonoma County (Calif.) Water Agency.*
- Turf Irrigation: What's Going On Underground** ..... 18  
*Submatic, Inc., is getting acceptance for its below-surface system of irrigation and fertilization.*
- 46th International Shade Tree Conference Report** ..... 26

## Regular Features

- Editorial: *To Maintain a Balance With Ecologists in Nature* ..... 6
- Letters to the Editor ..... 20
- Meeting Dates ..... 21
- Sod Industry Section: *Case Sod Farm Financial Report* ..... 22
- New Products ..... 30-33
- Insect Report ..... 36
- Trimmings: *Winning ISTC poem* ..... 38
- Classifieds ..... 39
- Index to Advertisers ..... 39

## The Cover

Cities and parks—also commercial contractors, for that matter—who have had tree disposal problems should welcome the introduction of the two machines featured on the cover. These machines are truly industry firsts, designed specifically to ease the tree-removal burden of metropolitan areas imposed primarily by Dutch Elm disease. At the top is the Chiparvestor, manufactured by Morbark Industries of Winn, Mich. The other one is the Vermeer 604 Log Chipper, made by Vermeer Manufacturing Co. of Pella, Ia. A report about these machines, including what they can do, how they are being used, and how the end product—the chips—is being marketed, begins on page 8.



WEEDS TREES and TURF is published monthly by The Harvest Publishing Company, subsidiary of Harcourt Brace Jovanovich, Inc. Executive, editorial headquarters: 9800 Detroit Ave., Cleveland, Ohio 44102.

Single Copy Price: 50 cents for current issue; all back issues 75 cents each. Foreign \$1.00.

Subscription Rates: WEEDS TREES AND TURF is mailed free, within the U.S. and possessions and Canada, to qualified persons engaged in the vegetation care industry and related fields in controlled circulation categories. Non-qualified subscriptions in the U.S. are \$7.00 per year; Canada and other countries, \$10.00 per year. Controlled circulation postage paid at Fostoria, Ohio 44830.

© The Harvest Publishing Company, 1970, subsidiary of Harcourt Brace Jovanovich, Inc.

Member Business Publications Audit



# WEEDS TREES and TURF®

Volume 9, No. 10      October, 1970

**Gene Ingalsbe**  
Editor

**Arthur V. Edwards**  
Editorial Director

**A. J. Michel**  
Advertising Production

**Hugh Chronister**  
President and Publisher

**Dan M. Humphrey**  
Vice-President, Advertising

**Roy Bever**  
Director of Circulation

### ADVERTISING SALES OFFICES

**Cleveland, Ohio 44102**  
9800 Detroit Ave./216+631-6468  
William Schmunk

**Chicago, Illinois 60601**  
333 N. Michigan Ave./312+236-9425  
John Kiehl

**Shawnee Mission (Kansas City),  
Kansas 66202**  
6811 W. 63rd St./913+722-5900  
Austin Schnacke

**New York, New York 10017**  
757 Third Ave./212+421-1350  
Russell Bandy

**Columbus, Ohio 43212**  
1350 W. Fifth Ave./614+486-9638  
James Murney

**Lansing, Michigan 48906**  
4415 N. Grand River/517+372-5254  
Paul Bundschu

**Los Angeles, California 90005**  
**The Eschen Company**  
3142 Wilshire Blvd./213+382-8391  
Henry Eschen

**San Francisco, California 94104**  
**The Eschen Company**  
57 Post St./415+781-7440  
Al Pierce