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## WEEDS TREES

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#### "Serving The Green Industry"

Rope	Failure — Causes And Cures
	Rope in the tree care industry literally ties the industry together. Every arborist and tree man uses rope in his daily work. Yet rope failures are common. Read why they are and what to do about them
	in this exclusive interview with Karel H. Liebenauer, sales manager, Lanphear Supply, Div. of Forest City Tree Production Co., Cleveland.

Small	I Plant Site Weed Control 14
	Here's a market just waiting for the custom applicator. Weed control around small plants is becoming increasingly important from many
	angles. Vogel-Ritt of Michigan has found a way to cash in on the

Stone	Pickin' Pro
	Stone specialist William Bergman, Jr. can pick stones from a golf
	course under construction in nothing flat. He's been doing it for the

Security In Your Business	
How's your security	IQ? If you have found equipment missing or place in your area, it's time to examine your
security progam.	place in your area, it o time to caumitie your

ine	Robert L. Anderson, forester and forest pathologist, Missouri depart- ment of conservation, examines one cause of tree destruction. His	
	analysis of this threat could cause many arborists to take a second look at disease control.	

Worms Words And Willingness 22
Orleans, Massachusetts was knee-deep in gypsy moth and prevailing restrictions prohibited an effective control measure from use. Emile A. Ollivier and others successfully launched a campaign to rid the
area of this pest. Other community arborists may be interested in using this technique.

Past	Due Accounts 50
	Getting your money for a job that's completed can be one of the biggest headaches in the business. Carl I. Morris, Sr. of Associated Claims, Silver Spring, Md. tells how sod producers and others can solve this problem.

The	DIRTI 5
	The sod producer often has the problem of investing large amounts
	of money in a sod crop with the payoff coming in several years. Dr. John R. Hall, assistant professor of agronomy, University of Maryland, shows how fixed costs can be viewed to gain a better understanding about sod investment costs.

A Creeping Bentgrass With A Swedish Accent	6
It was developed in Sweden. It's now being sold in the U.S. Embentgrass has many desirable characteristics which golf consuperintendents crave. Dr. Jerry Pepin, International Seeds, Halsey, Ore. reports on this new variety for use in sod and mercial turfarass culture.	erald ourse Inc

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Meeting Dates50	Trimmings74

#### The Cover

As malls and shopping centers have risen, the demand for landscaping with large trees has grown. Tree moving is becoming big business with specifications and bids submitted as part of an overall contract. Our cover shows the moving of large trees into this intercity mall. Large tree moving can add years of landscape beauty instantly to a desired location.

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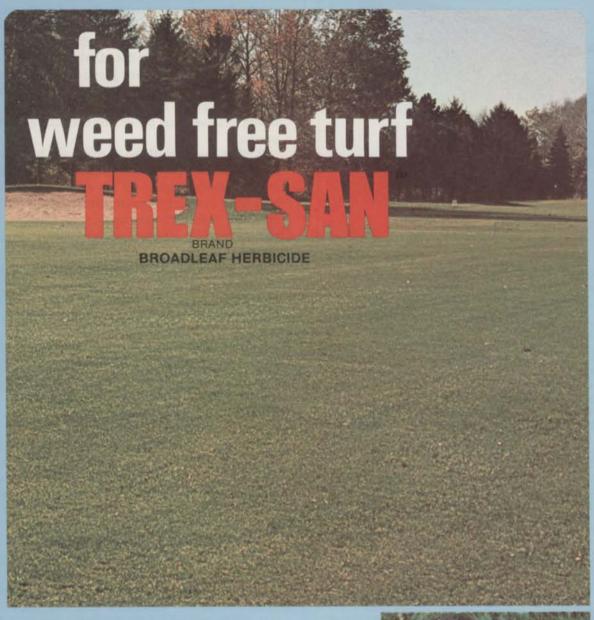
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#### Editorial Safety, A Six Letter Word

It is not surprising that organizations of the shade tree care industry have taken defensive steps to more clearly define safety requirements and specific job functions within the industry. It has been our observation that employees of the professional arborist are just as accident prone as the non-professionals and "storm scavengers" who shun industry association participation, state safety courses and other accident-prevention programs.

Within the past three months we have kept an informal tally of safety violations committed by tree climbers employed by selected professional arborists. Just for openers, our list includes climbers who were: struck by a tree branch; cut on the hand with a power saw; shocked by a short-circuited wire; climbing into trees with frayed ropes; wearing the wrong size saddle; struck by objects kicked back by a chipper; not tied into the tree properly; wearing street clothing and shoes in a tree; operating a bucket with outriggers not in place; and others.

In one case a climber grossly miscalculated a lateral move and severely hit his side against a large branch knocking off his eyeglasses and hardhat. Only his safety line (which was not passed around a main leader) saved him.

The recently released American National Standard Z133.L, developed by industry leaders including the National Arborist Association and the International Shade Tree Conference, is an excellent standard for the arborist. Additionally the OSHA manual for arborists compiled for members of the National Arborist Association brings safety snafus into focus. Likewise, state safety programs like the 43rd All-Ohio Safety Congress specifically detail problem situations.

Why then is there an incongruity between these excellent safety measures and the poor on-the-job track record of professional arborists? It is because the employer (arborist) tries to motivate the employee (tree climber) by preaching safety. This method is about as practical as an elastic safety line. The employee soon believes that safety measures are company practices rather than in-dividual practices for himself.

Safety posters can be wall-to wall, plastered on every piece of equipment and riveted on to hardhats, but without individual motivation the tree climber will be safety color blind.

The professional arborist must communicate safety in a climate in which the employee cares first about his own safety, which, in turn, is the company's safety.

Likewise, the associations to which the arborist belongs must be continually motivate members not in safety practices but in job performance of

(continued on page 72)

# REACH-ALL

A one-unit operation for tree service work.

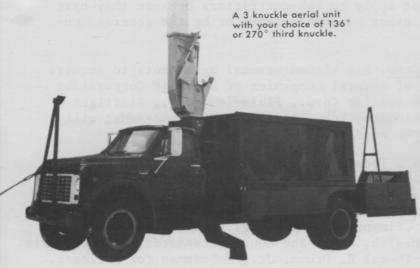
Basket, Chipper,
Chip Box and tool compartments all on one chassis



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# Government News / Business

Six sub-groups have been established by the Environmental Protection Agency to enforce the Federal Environmental Pesticide Control Act. Broad group functions include: registration and re-registration of all pesticides; establishment of criteria to be used for classification of compounds for "general use" or for "restricted use;" employment of "restricted use" pesticides and certification of applicators; experimental use permit regulations; registration of establishments; and books and records to be maintained by producers for inspection.

OSHA APPROVED....Don't believe it! OSHA doesn't approve, authorize or endorse products. The Federal Trade Commission has ruled it an unfair trade practice to misrepresent products approved or required by the U. S. government.

Court judges are taking a dim view of <u>lack of payments to sub-contractors</u>. New York and California justices have ruled that sub-contractors are entitled to payment by the prime contractor following completion of work performed, without regard to final payment to the prime contractor by the owner -- unless the contract otherwise states. If your contract clause states: "...any balance due the sub-contractor shall be paid within 30 days...after his work is finally accepted and approved by the architect and/or engineer...," the court is likely to accept this at face value. A New York court recently said that the trade custom of the prime contractor paying when he is paid does not apply to sub-contractors because they have no control over the work performed by other sub-contractors or by the general contractor.

Lawn-A-Mat Chemical & Equipment Corp. has signed several agreements to acquire the physical manufacturing facilities of several companies of Republic Corporation of Los Angeles. Included are: United Stellar Corp., Plainview, N.Y., Starlight Tool & Mfg. Corp., Joplin, Mo., and Coinmeco, Inc., Illion, N.Y. Lawn-A-Mat will exchange 650,000 shares of stock for the holdings.

Federal Ombudsman for Business is a focal point in the Federal government where businessmen can come directly with questions, complaints or problems which may be solved by informal arbitration. To date this service has handled more than 8,200 requests from businessmen and others in the 24 months of its operation. These entail such topics as government procurement, financial assistance, truth in lending and advertising, occupational safety and health, wages and hours, standards, and industrial pollution. If you need help, write: Thomas E. Drumm, Jr., Ombudsman for Business, U. S. Department of Commerce, Office of the Secretary, Washington, D. C. 20230, or call (202) 967-3178.

American Garden Products, Inc. has announced the signing of a definitive agreement to acquire Cal-Turf, Inc. Finalized terms of the acquisition involved a consideration of about \$1.33 million in cash, 12,000 shares of American common stock and contingent payments based on future profits of Cal-Turf.

The freeze on prices of all merchandise and services has created new concerns and new responsibilities for retailers. Most guidelines have been spelled out by the press. What about pricing new merchandise never before offered for sale. The Cost of Living Council says to apply the customary initial percentage markup on the most nearly identical merchandise sold in the freeze base period to the invoice cost plus freight of the new merchandise.

WEEDS TREES and TURF

# If your grass seed or sod can't match Fylking, you need Fylking. Sweden's top mixer in the international set

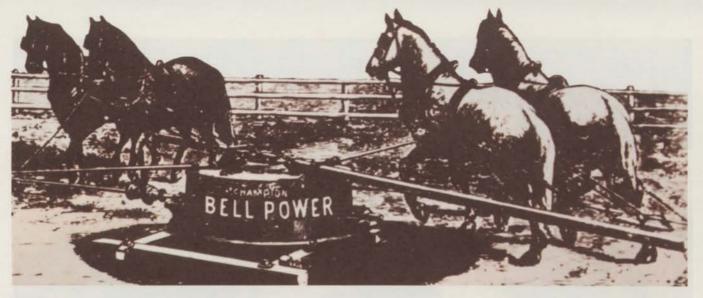
Can your seed or sod make and support these claims?

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These are all supported claims. Send for our 12 page full-color technical brochure No. 102 and read for yourself. Ask your seed or sod dealer.

Another fine product of Jacklin Seed Company, Division of the Vaughan-Jacklin Corporation



### **POWER**

#### A look at KOHLER "HORSEPOWER" on our 100th birthday

Kohler was in the power business when "horsepower" meant just that.

Back in the 1880's, Henry Ford's first automobile was still a dream. The day of the internal combustion engine was yet to come. But Kohler Co. was making a horsepower machine, actually turned by horses, to operate feed cutters and other farm equipment.

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1973 is Kohler's centennial year—a time to look back, a time to look forward with new and better engines to meet your power needs.

Power is our business. Kohler engines—the most rugged, dependable power sources you can buy. 4-cycle engines—4-HP to 24-HP; 2-cycle engines—292 cc to 644 cc.

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Actually, the colors are those of the world's leading manufacturers of powered equipment using Kohler engines their "warpaint" in the battle of the marketplace. Want full details on the complete line of Kohler engines? Write or phone J. J. Holsen, Kohler Co., Kohler, Wisconsin 53044.



