

Hi-Ranger mounted on S-Carrier, made by Bombardier, Ltd., Quebec, Canada, performs on side trim operations over rough right-of-way for one of Michigan's Upper Peninsula electrical public utility service companies.

EPA Labels New Material

A herbicide-treated ground cover has received first clearance from the Environmental Protection Agency. The Wood Derivatives Department of Masonite Corporation, Chicago, Ill., has clearance to produce and sell the new product.

Called Fibrex Root Insulator/Weeder, the new product combines tree bark with the pre-emergence herbicide, dacthal. It is registered for use around established trees, shrubs, ornamental plantings, and flower beds. The company is recommending one 2-cubic-foot bag to cover a 24-square foot area a total of one inch deep. Company tests indicate this depth is sufficient to moderate soil in the plant root zone at a protective level for both summer and winter. (For more details, circle #724 on the reader card in the back of this issue).

Mobile Tower Unit Mounted on Track Vehicle

Mobile Aerial Towers, Inc., Fort Wayne, Ind., has mounted the first Hi-Ranger tower (a 40-foot working range unit) on an off-road track driven vehicle built by Bombardier, Ltd., Quebec, Canada, for use over rough utility rights-of-way in Michigan's upper peninsula.

The unit built in consultation with Heath International, Inc., at Richmond, Mich., a Bombardier distributor, features Mobile Aerial's normal 360 degree continuous rotation and is equipped with automatic hydraulic engine throttle control, plus ground level controls which can override the basket control. The 300-pound rated basket tested out at a minimum tipping load of 450 pounds, and at 900 pounds under structural tests.

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U.S. Plant Patent 2887

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industry people
on the move



Gary L. Cooper, joins firm of Turf-Seed, Inc., Hubbard, Ore., from seed certification department at Oregon State Univ.

* * *

R. M. Waterman, from Shell product representative at San Ramon, Calif., to senior technical salesman at Orlando, Fla.; **W. R. Hudson, Jr.**, from technical salesman, Overland Park, Kan., to Shell's PCO chemical products at San Ramon; **A. J. Kovats**, from marketing analyst at Atlanta to technical sales post at Shell's Overland Park office; **D. C. Mercer**, from office supervisor at Columbus, Ohio, to senior marketing analyst at Shell's Atlanta office; and **D. L. McKenns**, from manager Shell field sales for health and nutrition, to sales manager of consumer specialties at San Ramon.

* * *

Ellis C. Kent, named regional manager for Kerr-McGee Chemical Corporation's western potash sales, San Francisco, from district sales manager at Portland, Ore.

* * *

Robert D. Doyle, appointed associate manager for American Association of Nurserymen and responsible for Washington, D.C. office operations, from Captain USMC (Ret.).

* * *

J. Peter Pehoski, named director of sales and service for consumer products division of Toro, and formerly national field sales manager of the division.

* * *

Charles K. Koch, promoted to production supervisor of Reinco's Power Mulcher and Hydroseeder Div., Plainfield, N.J. He has been with the company five years and previously was service manager for Chrysler Corporation.

* * *

Rolf G. Engstrom, appointed director of market planning for Turf Products Div. of Toro, from consumer program manager of Atherton Div., Litton Industries.

* * *

Everett M. Myers, named president of F. E. Myers & Bro. Co., a division of McNeil Corp., Ashland, O., from position of v-p. A grandson of the founder, he succeeds Milton G. Moses who retires but continues as a director of McNeil.

* * *

Gerald E. Kimmel, to district sales manager for Toro's Consumer Products Division office at Cleveland Heights, O., from area manager of Kohler.

* * *

D. Michael Bradley, named marketing manager for the Caribbean area of the Agricultural and Veterinary Products Div., Abbott Laboratories, Caracas, Venezuela. He has been with the company since 1957.

* * *

David A. Wheelless, appointed national sales manager for The Leisure Group's lawn and garden product lines, Los Angeles, Calif.

classifieds



When answering ads where box number only is given, please address as follows: Box number, c/o Weeds Trees and Turf, 9800 Detroit Ave., Cleveland, Ohio 44102.

Rates: "Position Wanted" 10¢ per word, minimum \$3.00. All other classifications 20¢ per word, minimum \$4.00. All classified ads must be received by Publisher the 10th of the month preceding publication date and be accompanied by cash or money order covering full payment. Bold-face rule box: \$25.00 per column inch.

HELP WANTED

ESTIMATOR/SALESMAN aggressive self-starter to develop and manage sales and estimating department of a large, aggressive and diversified landscape and park development firm in Philadelphia area. Must have well rounded experience in all phases of landscape estimating and operations. Some general construction experience would be helpful. Salary open. Company car and other fringe benefits. Your reply will be treated confidentially. Our people know of this ad. Send complete resume with salary desired to Box #71, WEEDS TREES and TURF, 9800 Detroit Ave., Cleveland, Ohio 44102.

FIELD SALES REPRESENTATIVE—Outstanding opportunity exists for aggressive sales professional with experience in Distributor/Dealer sales of grounds maintenance tractors to market exceptional multipurpose lawn and garden tractor/mower. Technical knowledge of power equipment helpful. Area covered will be Central United States. Future advancement opportunities with expanding new industrial division of leading specialized farm equipment manufacturer. Send resume to Sam Zuercher, Employment Manager, Hesston Corporation, Hesston, Kansas 67062. An equal opportunity employer.

GOLF COURSE CONSTRUCTION Superintendent: Hiring young man 22-30 years old. Must travel, possess mechanical abilities, able to operate transit, handle men, like the outdoors. Salary good with many benefits. Do not answer unless qualified. Send resume. Reply to The Wadsworth Company, Van Dyke Road, Plainfield, Illinois 60544.

USED EQUIPMENT

RECONDITIONED brush chippers, sprayers, log splitters, stump routers, bucket trucks. Let us know your needs. Equipment Sales Company, 5620 Old Sunrise Highway, Massapequa, New York 11758. Phone 516 799-7619.

FOR SALE: Frinneyfrock sod machine with automatic cut off, also, Nunes Sod Harvester, both like new. Contact Mercer Sod, Inc., Trenton, New Jersey 08619. Phone 609 587-3500.

VERMEER STUMP CHIPPER, model 18, completely reconditioned, \$2,800.00; new motor, clutch, chains, sprockets. Phone Auburn, Maine 207 783-3325.

FOR SALE

DOUBLE EDGE sod cutter blades. Will fit any Ryan sod cutter. Works like double edge razor blade. Cuts much more sod per blade. Made to bolt on both ways. \$24.00 plus postage. New automatic sod loaders for direct loading to pallets, trucks or trailers. No workers needed on ground. Both products developed and designed by Hadfield. Write or call Glen Hadfield, 4643 Sherwood, Oxford, Michigan 48051. Phone 313 628-2000.

SPRAY AND TREE SERVICE—Illness forces sale of fast growing but stable business. Regular four time per year customer route. Very modern equipment. \$34,500.00, terms. Write: George DesBrisay, 333 American Bank Bldg., Portland, Oregon 97201.

POSITIONS WANTED

LANDSCAPE MAINTENANCE SUPERINTENDENT for large scale developments. Have 12 years experience in all phases of landscaping and maintenance, including nursery background. AA degree in Horticulture, 34 years old. West Coast preferred. 21423 South Catskill Ave., Carson, California 90745.

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SEEDS

SOD QUALITY MERION SEED for discriminating growers. Also Fylking, Delta, Park, Newport, Nugget and Pennstar bluegrasses as well as fine fescues. We will custom mix to your specifications. Michigan State Seed Company, Grand Ledge, Michigan 48837.

MISCELLANEOUS

TREE APPRAISALS AND SURVEYS: For names of members of American Society of Consulting Arborists, Inc., nearest you, contact: Executive Director, ASCA, 12 Lakeview Avenue, Milltown, N.J. 08850.



"We don't kill weeds, sir. We remove them scientifically, and so easy, they don't realize they're dead."

Trimmings

ARTIFICIAL TURF use is being questioned by the National Football League Players Association. The association group is apparently getting the run-around from NFL owners following their request that further installation of artificial turf be halted until a study is made. The association wants to determine if artificial turf is causing an "alarming number of football injuries." Owners have referred the players' representatives to the National Football League Player Relations Association in a maneuver rivaling the red tape of a government program. Some 42 percent of regular season NFL games will be played on artificial turf in 11 stadiums this season.

* * *

THATCH buildup in fine turfgrass may soon be eliminated as a troublesome maintenance problem. Michigan State University scientist David P. Martin has injected enzymes and a lignin precursor (ferulic acid) into thatch. The biological material cuts decomposition time by 5 percent—which Martin thinks might just be fast enough to keep thatch from ever building up. Tests continue.

* * *

CONTROLLING WEEDS via science in developing countries has become more important than ever, according to L. J. Matthews, secretary of the New Zealand Weed and Pest Control Society. He said recently that hand weeding is rapidly becoming inefficient and uneconomical, in an announcement of the fourth Asian-Pacific Weed Science Society Conference, scheduled for March 1973 at Rotorua in that country.

* * *

FLORIDA TURFGRASS is big business with specialists estimating dollar value of turfgrass and its agribusiness aspects in excess of \$188 million. They estimate 621,000 acres of turfgrasses by 1975, and a state total of 713,000 acres by 1980. Figures are based on population increase projections for the state, with the most single significant increase in acreage to come from golf course construction. Some 19,000 acres of highway rights-of-way will be added by 1975. Cut sod and vegetative propagating material now comprise less than 6 percent of the total turf acreage in the state, but this small portion accounts for \$13½ million in sales.

* * *

ACCOUSTICAL EAR MUFFS are called for if operators experience

a ringing in their ears for a few hours after getting off a tractor, or if voices of others seem muffled to them. Extension safety specialist Wilbur Stuckey at The Ohio State University says ear plugs and cotton are worthless as a protective device. Ear plugs may cause ear infections and are easily lost. But acoustical ear muffs reduce noise to safe levels, and still permit enough sound to reach the ears for informational and safety purposes.

Consulting Arborists Assn. Founded Four Years Ago

The American Society of Consulting Arborists was founded just four years ago in Philadelphia, Pa., during the annual meeting of the International Shade Tree Conference.

Since that time, an almost exclusive membership of veteran, competent arborists, have offered a new type of service. They serve as technical consultants, appraisers, tech-

nical witnesses, and in related capacities to municipalities, developers, architects, tree owners and others.

The group has never solicited members, and by contrast, has been unwilling to accept any but those qualified by training, education, and experience in the industry of arboriculture.

Result has been an increasing demand for services, many of which are in areas where the ASCA does not have membership.

Walter Morrow, a charter member and vice-president, has notified members that the group is seeking capable member prospects in these areas where members cannot conveniently provide service. Normal channels for membership in ASCA is via the association's membership committee. Dr. Spencer Davis, 12 Lakeview Ave., Milltown, N. J., executive secretary of the group for the past two years, handles advertising, public relations, and generally coordinates activities for the group.

According to the recent ASCA

PCB's In the Environment

For the past few years, scientists (working with older and less sophisticated equipment than recently available have often failed to distinguish polychlorinated biphenyls—known as PCB's—from pesticides (particularly DDT) when found as residues in the environment. Government has undertaken a study and the following is a mini-report from 12 scientists who recently gave progress reports on their research with PCB's at a meeting sponsored by the Working group on pesticides, a unit of the President's Cabinet Committee on the Environment. Following is the report:

"PCB's are not pesticides but share some of the same characteristics and can be confused with several pesticides in analytical methods. PCB's are found in many commercial products: Printing inks, carbon paper, rubber tires, plasticizers, and industrial cooling systems (heat exchangers), among others. PCB's seem to enter the environment from many of these sources and become of particular concern when leakages or recycling (of paper) result in contamination of food and water. Harmful properties of PCB's are not yet completely

known, but are under intensive toxicological study in a number of laboratories.

"PCB's represent a challenge to chemists far more difficult than the analogy of separating salt and sugar that had been mixed together. PCB's have characteristics that resemble persistent insecticides in some regards, and both groups of compounds may interfere with each other if appropriate precautions are not followed. Chemist R. Webb of the Environmental Protection Agency Laboratory, Athens, Ga., noted that various forms, or isomers, of PCB's can be detected. More than 20 such isomers were detected in liver samples from sea otters, reported chemist J. W. Rote, Stanford University, Pacific Grove, Calif.

"Calvin Corley, U.S. Department of Agriculture chemist at Beltsville, Md., reported that a simple method has been developed to distinguish PCB from toxaphene, which interfered in the analyses and invalidated tests. Natural constituents of eggs that also invalidated tests can be removed with a process developed by Dr. Kenneth R. Hill, of USDA's Agricultural Research Service, Beltsville, Md."

newsletter, the states of Washington, Oregon, Minnesota, Iowa, Nebraska, Oklahoma, South Carolina, Tennessee, New Hampshire and Rhode Island need additional consultant coverage.

Correction on Site For Ohio Turf Show

Last month, WEEDS TREES and TURF magazine inadvertently reported the wrong site for the big Ohio Turfgrass Conference and Show which comes up in early December.

Officially, the site is the Sheraton Cleveland Hotel, Cleveland, Ohio. Dates are Dec. 7-9. The Conference this year starts on Tuesday and runs through Thursday.

This show which operates as a state event is actually regional in that attendance is large and visitors come from many states and sections of the country, as well as from Canada. The host committee is planning for 1150 participants, about the same as that of last year.

More than 100 booths have been sold to exhibitors and the educational program is firm. Out of state speakers abound, two new ones this year being Dr. Wayne Scholtes of Iowa State and Dr. D. V. Waddington of Penn State. Dr. Scholtes will discuss basic soil properties and Dr. Waddington's presentation will feature soil amendments. Some 20 additional speakers are scheduled.

Details are available from Dr. Robert W. Miller, executive secretary, 1827 Neil Ave., Columbus, Ohio 43210, (tel. 614/422-2592).

Grounds Managers Elect Officers at Princeton

The Professional Grounds Management Society, successor to the National Association of Gardeners, elected J. Paul Barefoot as president at their recent annual meeting at Princeton, N. J.

Other officers are Allen W. Hartley, Princeton, N. J., vice-president; and Charles L. Hall, Jr., Fairfax, Va., treasurer.

Plans according to the new president are to begin an active membership campaign this fall and a Society program which offers more services to members.

NAAA Conference Set For Dallas Dec. 5

Aerial applicators, 800 strong, plan to meet for their fifth annual conference, Dec. 5-8, at Dallas, Tex. This group, according to National Agricultural Aviation Association Executive Director Farrell Higbee, is a part of some 2200 pesticide and fertilizer applicators in the nation.

Aerial operators, using both fixed-wing aircraft and helicopters, own 6000 aircraft. For both crop and non-crop uses, they normally fly 1.3 million hours yearly.

Higbee reports that the Dallas meeting will be the most informative to date — including accounting procedures and computer programming as well as business diversification, environment, and education as it relates to employee training.

Exhibits will feature the latest application equipment, aids and chemicals. A special program is planned for wives and NAAA members. Full details are available from Higbee at Box 717, Loveland, Colo. 80537, or by telephone (303) 667-5533. Dallas headquarters will be the Fairmont Hotel.

Mitts & Merrill Brush Chippers For...

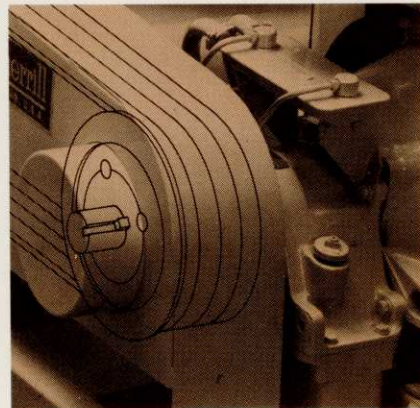


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Staggered knife pattern for smoother cutting action. Mounted on an all-steel cylinder that, even without an external flywheel, is heaviest in the industry. Each cylinder revolution gives more cuts, produces smaller chips of uniform size. Self-adjusting knives are reversible; give twice the service between sharpening.



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