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## UPDATE

### U.S. leads world in courses, golfers

According to the National Golf Foundation, the United States leads the world in the number of golf courses and golfers.

There are 13,013 golf courses in the country—more than in the world combined and 17,600,000 golfers, more than in the rest of the world.

Data prepared by the National Golf Foundation lists an estimated 21,000 golf courses and 30 million golfers in the world.

As of Jan. 1, 1983, there were 13,013 golf courses and 17.6 million golfers in the United States. These figures were compiled by the NGF with the number of golfers including casual golfers who play less than 15 rounds a year.

Listed below are figures supplied to the Foundation by 14 golf associations in foreign (non-U.S.) countries, indicating the number of courses and golfers. No figures were received from Germany, Spain, Mexico and those in Africa and South America. Without these figures, the estimated number of golf courses and golfers in the world is conservative.

Country	Golf Courses	Golfers
1) United States	13,013	17,600,000
2) Great Britain (& N. Ireland)	2,035	1,128,469
3) Australia	1,324	350,000
4) Canada	1,140	—
5) Japan	1,200	10,000,000
6) Scotland	444	600,000
7) New Zealand	380	120,000
8) S. Africa	360	60,000
9) Argentina	250	—
10) Sweden	162	101,000
13) Korea	83 (incl. 58 ranges)	160,000
12) Italy	68	14,859
13) Netherlands	36	15,000
14) Switzerland	28	8,000
<b>TOTAL</b>	<b>20,523</b>	<b>30,157,328</b>

### Oakwood's McLaren dead at 79

Malcolm E. "Mal" McLaren, 79, former golf course superintendent at Canterbury Golf Club and Oakwood Club in Cleveland, died in February.

McLaren was credited as being a pioneer in the development of turf machinery and in weed control methods and was one of the first to use sodium arsenite to counteract clover and poa annua.

He was president of the Golf Course Superintendents Association of America in 1952 and was a former president and longtime director of the Northern Ohio Chapter, GCSA.

McLaren was born in Buffalo and came to Cleveland in the early 1920s. In 1924, he was named assistant superintendent at Canterbury and eventually was promoted to the top job. McLaren stayed there until 1946 when he took a job as superintendent at Oakwood Club. He retired in 1965 and began working as a turf and irrigation consultant for Lakeshore Equipment and Supply Co. in Elyria, OH, until he suffered a series of strokes.

He is survived by his wife, Margaret.

## INDUSTRY

### RIS Irrigation opens Florida facility

The RIS Irrigation Systems has opened a new manufacturing facility in Sanford, FL, its first in the East Coast, according to Tom Kimmell, vice president of marketing.

The 14,000 square feet facility will initially manufacture various types of irrigation tubing for shipment west of the Rockies, including the principal



New RIS facility.

RIS sales centers of Texas, Florida, Michigan and the Carribean.

"The Newly-completed plant is an integral part of our long-range growth plans which have also included recent expansion of RIS' El Cajon, CA, headquarters," Kimmel explained.

Kimmell said that the Sanford operation will also serve as an RIS Eastern dealer service center. There will be both technical and sales representatives to help meet dealers' needs. Phil LeBlanc will be the regional manager.

"This will enable us to ensure the most efficient possible service," Kimmel added. "Both RIS products and technical expertise will be readily available to our more than 80 eastern dealers."

## LANDSCAPE

### Laatsch tapped for CLIC presidency

Neville Laatsch of Valley Crest Landscape Inc., San Diego Division, has been elected 1983 president of the California Landscape & Irrigation Council Inc.

Laatsch succeeds Barry Mohon of Imperial Landscape Co., Brea, the 1982 president.

Officers elected to the council's new board of directors include president-elect Roland Tittle of Habco Land-

*continued on page 16*



# NEW FORD LOAD HANDLERS!

## SKID-STEER MANEUVERABILITY IN TIGHT QUARTERS

Meet the new name in compact loaders—the Load Handlers from Ford! Five all-new Ford loaders with the power, capacity and operating ease you're looking for!

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nimble 18-hp CL-25 to the 62-hp CL-65. Lift up to 2,000 pounds. All available with husky liquid-cooled diesel engines. The two smaller models also offer gasoline engines.

See the new Ford Load Handlers soon at your Ford Tractor dealer. He's listed in the Yellow Pages under "Contractors'

Equipment & Supplies" and/or "Tractor Dealers."

*\*CL-35 not shown, available mid-1983.*

## FORD TRACTORS



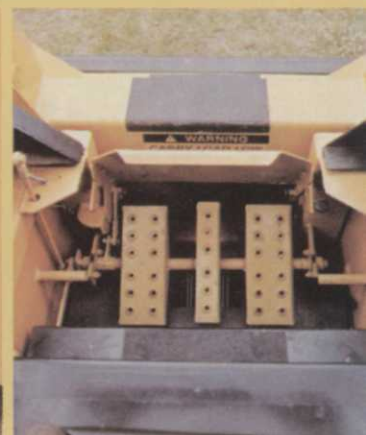
Husky steel frame provides plenty of built-in strength.



Twin steering levers curve to fit natural hand position.



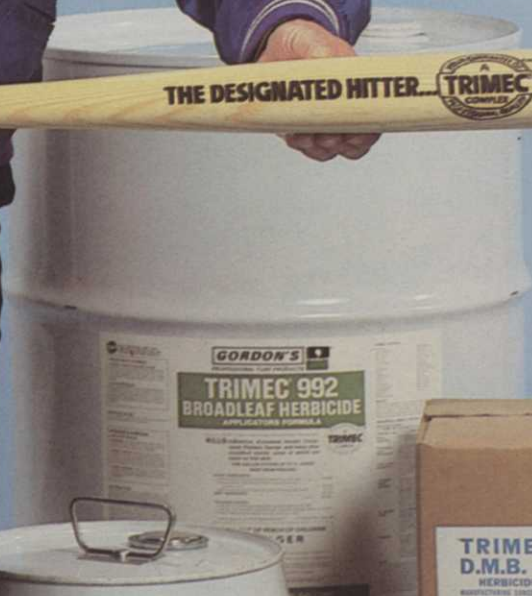
Swing-out rear door opens for easy servicing access.



Three pedals control lift, bucket and remote hydraulics.

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Groundskeeper  
George Toma says:

**“Look for the Trimec Seal when you select a designated hitter for your turf program.”**

*“The key to efficiency in turf management is to select specific tools for specific jobs, so you can do it right the first time. That’s why the Trimec people make a specific complex for use in specific situations. That’s why I use Trimec. I call it my designated hitter that bats 1000.”*

*George P. Toma*



*George Toma is a turf grass consultant. He is groundskeeper for the Kansas City Royals and the Chiefs, and has been in charge of preparing the playing fields for*

*all 17 Super Bowls and Pro Bowls that have been played to date.*

**A**s a turf professional you probably agree with your peers that acre for acre and dollar for dollar, Trimec turf herbicide is unsurpassed in effectiveness and efficiency. But perhaps you don’t realize that Trimec is being constantly improved through the development of new complexes for use in specialized situations... Designated Hitters to help you increase your efficiency.

**Which of these problems are you going to solve with a Trimec designated hitter?**

**Problem:**

The control of weeds like *Spurge* and *Oxalis*, and other tough weeds that have hardened off during hot weather.

**Answer:**

Trimec Turf Ester. The most recent technological breakthrough in broadleaf weed control. It breaks down the hard waxy cuticle and allows the Trimec to penetrate and do its job.

**Problem:**

The control of Red Cedar, Brambles, Multiflora Rose, Thistle, Oak, Kudzu, Poison Ivy, Poison Oak and many other hard-to-kill species of brush, without harming desirable grasses.

**Answer:**

Trimec 352. Years of research have gone into this complex. Thousands of gallons have been used and results are excellent.

**Problem:**

The control of broadleaf weeds with a herbicide that can be applied with liquid fertilizer.

**Answer:**

Trimec Lawn Applicator Formula. This Trimec complex is especially designed to be used with large quantities of water.

**Problem:**

The control of broadleaf weeds with a weed-and-feed granular product.

**Answer:**

Select a brand that displays the Trimec seal on the bag. Only Trimec makes an herbicide that is specifically designed for granular weed and feed.

**Problem:**

The control of broadleaf weeds in turf.

**Answer:**

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546-183



### IPA purchases conference rights

The Interior Plantscape Association has purchased all right and title to the IPA Annual Conference and Trade Show from Conference Management Corporation of Norwalk, CT. IPA and CMC had been partners in a joint venture to produce the past three IPA shows. The IPA Board of Directors made the purchase of their rights to the show a top priority for 1982. The goal was achieved through a grass roots effort. The actual purchase was accomplished with financial support from the membership, the Board and the IPA's Growers and Suppliers.

Conference Management Corporation specializes in the production and management of conferences and trade shows on a national basis. Although the IPA professional staff has always been actively involved in speaker selection and course offerings, as well as brochure development for the show, CMC has taken the responsibility of contracting with exhibitors and running the actual event from registration set up to take down. The Association will now take over those duties.

It has always been the intention of the Association to work towards purchasing the rights of this annual event.

### Arizona show expanded to two days

The Arizona Landscape Contractors Association will present Gary Driggs, president of the Phoenix-based Western Savings and Loan Association as its keynote speaker at the 4th Annual Irrigation Conference and Trade Exhibit May 6 and 7 at the Ramada Inn East, Phoenix.

More than 600 are expected to attend the conference, making it the largest horticultural irrigation event of its kind in Arizona.

The expansion to a two-day format is expected to make the conference attract more Arizonans and Southern Californians.

According to Association Executive Director Dick Lambert, the expansion will allow a greater variety of exhibits to be presented, which is expected to attract a larger than ever number of irrigation contractors, landscape maintenance contractors, city employees and property management professionals.

Highlights of the show will be outdoor exhibits and demonstrations by major manufacturers of equipment including tractors, backhoes and new irrigation tools and equipment.

For more information, contact the Arizona Landscape Contractors Association at PO Box 27312, Tempe, AZ, 85282, (602) 968-8179.

### Students compete in Dallas

Students from more than 20 colleges and universities made the 1983 Student Field Day the largest on record according to Debra Dennis, administrative assistant, Associated Landscape Contractors of America.

The students competed in various landscape design and construction events. Potential employers attended the competition to look for future employees.

Events included weed, disease, and insect identification; business problem solving; surveying; equipment operation and repair; irrigation design and assembly; and salesmanship.

### Interior leaders look to future

More than 40 growers, suppliers, and contractors in the interior landscape market met recently to chart the course for the interior plantscape industry. The Interior Plantscape Association has just published a report of the meeting, calling it White Paper from the Leaders of the Industry.

*Continued on page 102*

scape & Irrigation Inc., Orange, and vice presidents Dennis Buccola of Buccola Landscaping Inc., Anaheim; Lee Prichard of Industrial Turf Inc., Laguna Hills; and Art Torres of Art Torres Landscaping Inc., Encinitas.

Derryl Montague of Imperial Landscape Co. is the new secretary-treasurer.

Other directors voted to the 1983 CLIC board are Klaus Ahlers, Carlacio Landscape Inc., Placentia; John Carlson, Carlson Landscaping, Fountain Valley; and Chuck Johnson,



Neville Laatsch

California Landscape Inc., Canoga Park.

The California Landscape & Irrigation Council Inc., is a nonprofit trade association of union-affiliated landscape and irrigation contractors. Its members specialize in large-scale commercial, industrial and public works projects in Southern California.

#### TURF

### Full Circle, Inc. acquires Merit

Full Circle, Inc., Madras, OR, has acquired exclusive production and marketing rights to Merit Kentucky Bluegrass from International Seeds, Inc., Halsey, OR, according to Full Circle Product Manager Jim Steinke.

"This is the first time we've acquired exclusive production and marketing rights to a grass," said Steinke.

O.M Scot & Sons hold the patent to the seed.

Steinke told WEEDS TREES & TURF Merit has been tested extensively and has consistently rated high in a five-year trial in New Jersey, a three year test in Ohio, in the 1972 NE-57 trials and in the National

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102	109	116	123	130	137	144	151	158	165	172	179	186	193	200	207	214	221	228	235
103	110	117	124	131	138	145	152	159	166	173	180	187	194	201	208	215	222	229	236
104	111	118	125	132	139	146	153	160	167	174	181	188	195	202	209	216	223	230	237
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106	113	120	127	134	141	148	155	162	169	176	183	190	197	204	211	218	225	232	239
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MY PRIMARY BUSINESS AT THIS LOCATION IS:  
(PLEASE CHECK ONE ONLY IN EITHER A, B OR C)

### A. LANDSCAPING/GROUND CARE AT ONE OF THE FOLLOWING TYPES OF FACILITIES:

- 0005  Golf courses  
 0010  Sport complexes  
 0015  Parks  
 0020  Rights-of-way maintenance for highways, railroads & utilities  
 0025  Schools, colleges & universities  
 0030  Industrial & office parks/plants  
 0045  Condominiums/apartments/housing developments/hotels/resorts  
 0050  Cemeteries/memorial gardens  
 0060  Military installations & prisons  
 0065  Airports  
 0070  Multiple government/municipal facilities  
 Other type of facility (please specify) \_\_\_\_\_

### B. CONTRACTORS/SERVICE COMPANIES/CONSULTANTS:

- 0105  Landscape contractors (installation & maintenance)  
 0110  Lawn care service companies  
 0125  Landscape architects  
 0135  Extension agents/consultants for horticulture  
 Other contractor or service  
 (please specify) \_\_\_\_\_

### C. SUPPLIERS:

- 0205  Sod growers  
 0210  Dealers, Distributors  
 Other supplier (please specify) \_\_\_\_\_

Approximately how many acres of vegetation do you maintain or manage?  
 \_\_\_\_\_

What is your title? (please specify) \_\_\_\_\_

YOUR NAME \_\_\_\_\_

BUSINESS NAME \_\_\_\_\_ BUSINESS ADDRESS \_\_\_\_\_

CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_ TELEPHONE ( ) \_\_\_\_\_

AREA CODE

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Full Circle is a wholly-owned subsidiary of the Senex Corp.

## TURF

### Musser Foundation makes appointments

Three new appointments have been made to the Musser Foundation Board. Dr. Fred Grau, president, made the appointments recently. They are: **Dr. Richard E. Schmidt**, VPI, Blacksburg, VA. Schmidt will sit on the Board of Directors and will represent the Virginia Turfgrass Council and the International Turfgrass Society. He received his Ph.D. degree at Penn State under Professor H.B. Musser.

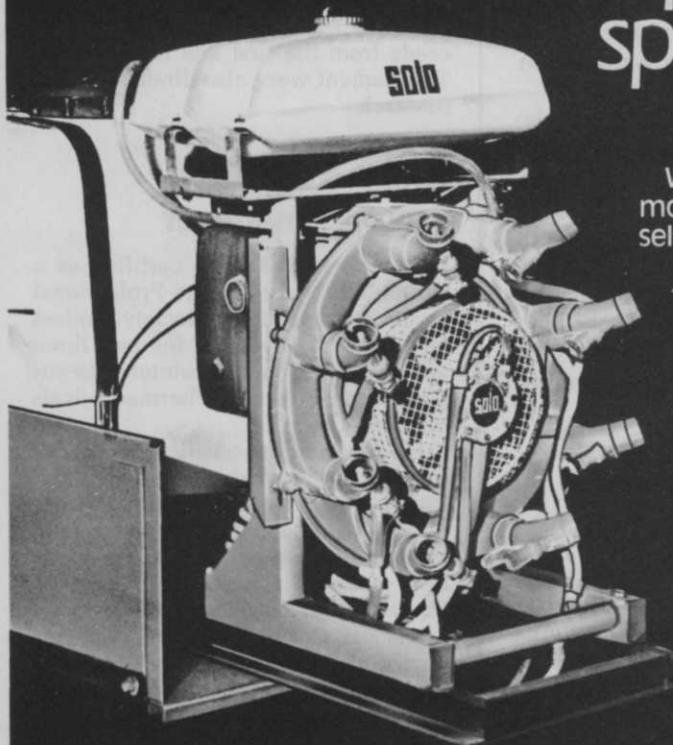
**Arthur L. Hathcock** joins the MITF Board of Advisors. He has recently received his M.Sc. degree from the  
*Continued on page 20*



The American Society of Consulting Arborists have elected the following officers and directors for the coming year. Front row, (l to r) Arnold H. Webster, president-elect; Edwin E. Irish, Michigan, President, James E. Moore, Texas, Secretary-Treasurer; Jack R. Rogers, California, Director. Back row, (l to r) Edward F. Collings, New York, Director; Philip J. Brogan, New York, Vice-President; Larry Holkenborg, Ohio, Director; William J. Griffin, California, Immediate Past President. Not pictured are Jack Siebenthaler, Florida, Director; Dr. Spencer H. Davis, Jr., New Jersey, Executive Director. The 1983 annual meeting will be in Callaway Gardens, Pine Mountain, GA, Oct. 26-29.

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# SOLO

### **EPA faces renewed criticism**

The House Agriculture Subcommittee, in response to growing criticism of EPA policies under Administrator Anne Burford and Assistant Administrator Dr. John Todhunter, will likely hold pesticide oversight hearings in the next few months. In addition to issues such as handling of the toxic waste program and cancer policies, issues important to the Green Industry may be criticized, most importantly pesticide registration based upon "special local need." A number of vital products have become available through SLN registration in the past two years. Rep. Panetta (D-CA) has written to the committee saying the SLN registrations are granted without the extensive data requirements of FIFRA." Forcing states to increase data requirements for SLN registrations could seriously hamper the one program that enabled manufacturers to get needed products to users years before Federal registration can be obtained. National criticism of Burford's refusal to release Superfund documents to congressional committees and a serious case of contamination in Times Beach, MO, have fueled the fires of EPA critics.

To head off some of the criticism, EPA's Todhunter has asked the panel to reestablish the former Scientific Advisory Committee. Todhunter suggested one of the first areas for the panel to study is FIFRA, Section 3, the section concerning SLN registrations.

### **AAN, IPA seek Caribbean break**

President Reagan's desire to encourage trade with Caribbean and Latin American countries could seriously harm growers of foliage in the states according to both the American Association of Nurserymen and the Interior Plantscape Association.

Unless nursery stock is added to a list of perishable products, imports of duty-free nursery material from the Caribbean Basin could hurt sales of state-side products. Better growing conditions, lower labor costs, and fewer regulations on growers in the Caribbean enable them to sell the same products as U.S. growers for less, especially without duties. AAN and IPA want to exempt landscape materials from duty-free status. Growers in Florida, Texas and California would be hurt the most by duty-free imports from the Caribbean. A bill favorable to the nursery industry passed the House last year, but failed to pass the Senate. The bills will be reintroduced early this year.

### **ASLA seeks local ordinances**

In an effort to learn state and local restrictions on landscape architects, the American Society of Landscape Architects is seeking copies of local and state ordinances. These ordinances generally involve land use planning, grading, tree programs, and landscape development. Members and non-members are encouraged to send copies of their local and state ordinances to ASLA, 1733 Connecticut Ave., NW., Washington, D.C. 20009.

University of Maryland. He will represent the Maryland Turfgrass Council where he sits as a Board member. The MTC has supported the Foundation in conducting golf tournaments, the proceeds of which benefited the Foundation.

**Alexander M. Radko**, recently retired from the USGA Green Section as national director, will sit on the MITF Board of Advisors. He will be the 1983 recipient of the USGA green section award.

Grau commented, "These appointments will greatly strengthen MITF in its quest for answers to basic research challenges."

### TURF

### **NYSTA supports graduate student**

The New York State Turfgrass Association is supporting a soil fertility research project at Cornell University under the direction of Dr. A. Martin Petrovic by funding a graduate student for the year. Monies were donated directly from the Association and were solicited by the Association to cover the cost of the graduate student for the year. Those who contributed to NYSTA to assist with this project were the Metropolitan, Long Island, Central, Western NY and Finger Lakes Golf Course Associations, J&L Adikes, Inc. and MetroMilorganite Inc. Proceeds from the first Poa Annual Golf Tournament were also directed to this research.

### **Anders certified grounds manager**

John Anders has been certified as a Grounds Manager by the Professional Grounds Management Society. Anders has been employed for the past three years as the grounds maintenance supervisor at Allergan Pharmaceuticals in Irvine, CA.

He received his certification certificate at the Awards Banquet at the Professional Grounds Management Society's annual conference and trade show in San Diego, CA. He is a member of the Professional Grounds Management Society. The Grounds Managers Certification Program was started in April, 1980. It was initiated to upgrade the professional and bring recognition of professionalism in the field. At the present time, approximately 51 other grounds managers are in various stages of the certification process.