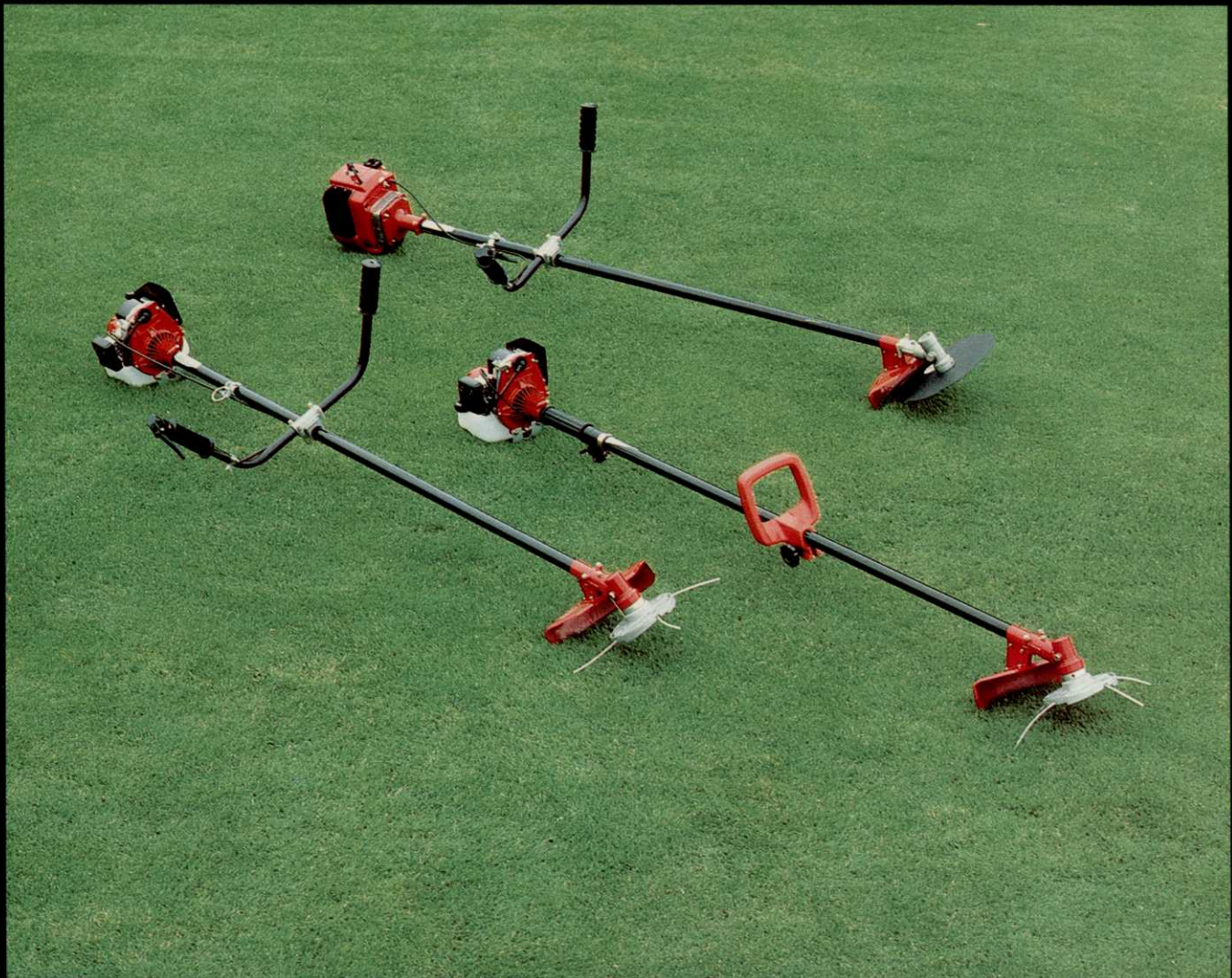


**TORO®**

# **GAS POWERED TRIMMERS AND CUTTERS**



**A complete line of Professionals  
built to do an honest day's work.  
From the professionals  
in turf care products.**

# Trim time and effort with these rugged line

Kioritz air cooled, 2 cycle, single cylinder gasoline engine with 21.2cc displacement



Shaft mounted fingertip control with switch for engine shutdown

Shoulder strap with quick release coupling

"D" type hand grip



Debris guard standard



Automatic feed head with .095 nylon line

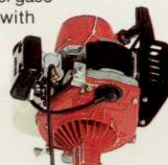
## 21cc Trimmer (model 30900)

Our highly popular flexible line trimmer ideal for those quick grass and weed trimming chores. Easy to carry and handle at just 11.9 lbs., and built Toro tough to earn its keep everyday.

### Optional accessories:

- 10" weed cutter blade
- 10" circular saw blade
- Fixed nylon line head
- Deluxe operator harness with quick release coupling

Kioritz air cooled, 2 cycle, single cylinder gasoline engine with 21.2 cc displacement



Fingertip control with switch for engine shutdown

Deluxe operator harness with quick release coupling



Adjustable U-handle control with shock absorbing rubber hand grips

Debris guard standard



Fixed head with heavy duty nylon line

## 21cc Deluxe Trimmer (model 30910)

Our 21cc Trimmer specially equipped for longer stretches of work as well as heavier weed and brush cutting jobs. For easy portability and maneuverability, it has a U-handle control and deluxe operator harness as standard features.

### Optional Accessories:

- 10" weed cutter blade
- 10" circular saw blade
- Automatic feed head with .095 nylon line

# Power off every job Professionals from Toro.<sup>®</sup>

Kioritz air cooled, 2 cycle, single cylinder gasoline engine with 30.1 cc displacement

Fingertip control with switch for engine shutdown

Vibration dampening engine mount

## 30cc Trimmer/Cutter (model 30920)

Our heftier and more powerful model for sustained, heavy-duty trimming or cutting of everything from grass to light brush. Ruggedly engineered for hour after hour of dependable performance, day after day.

### Optional accessories:

10" circular saw blade  
Automatic feed head with .095 nylon line

Adjustable U-handle control with shock absorbing rubber hand grips

Deluxe operator harness with quick release coupling

Debris guard standard

Fixed head with heavy duty nylon line and 10" weed cutter blade are standard (shown with 10" weed cutter)

## Toro trimmers offer these features:



**Straight drive shaft** is stronger. **Bevel gears** provide positive power transmission; a definite plus over flexible drive connections on many other trimmers. **Debris guard** is standard on all Toro models.



**Heavy nylon-flocked cover** protects operator from direct contact with hot muffler.



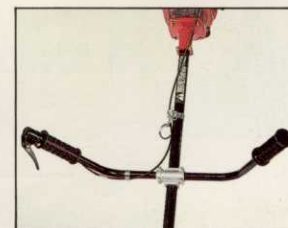
**Fuel tank** is located for easy access beneath the engine.



Reliably powered by the world famous **Kioritz air cooled, two cycle gasoline engine**.



**Sturdy D-type control handle**, standard on the 21cc trimmer, is adjustable to suit operator.



**Wide U-type control handle**, standard on the 21cc deluxe and 30cc models, features a spring loaded throttle and shock absorbing rubber hand grips.

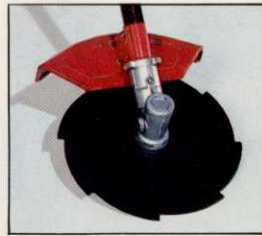
# Add versatility with these accessories.



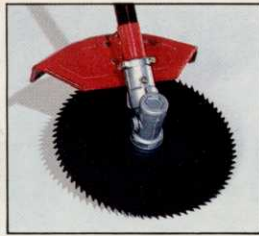
**Automatic line feed.** Just tap the head on the ground and nylon line advances one inch, only when trimmer is at full throttle. (Standard on 21cc, optional on other models.)



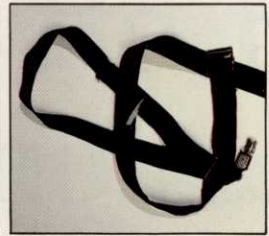
**Four-line fixed head.** Heavy duty nylon line is easily changeable. (Standard on 30910, 30920, optional on 30900.)



**10" weed cutter blade.** For tall grass, weeds and brush. (Standard on 30920, optional on other models.)



**10" circular saw blade.** For various heavy cutting chores, including brush. (Optional on all models.)



**Deluxe operator harness.** Features Toro's 2" wide nylon straps. Gives operator more comfort, better trimmer control. Also has a handy pouch for extra fixed head line. (Standard on 30910, 30920, optional on 30900.)

## Specifications\*

### 21cc TRIMMER (Model 30900)

**ENGINE:** Kioritz, air cooled, 2 cycle, single cylinder, 6500 R.P.M., flywheel magneto ignition, automatic rewind starter, nylon flock shielded muffler

**CARBURETOR:** All position Walbro — diaphragm type

**TYPE OF CUTTING SYSTEM:** Automatic line feed head standard. Debris guard standard.

**CUTTING SWATH:** 15" with automatic line feed head

**DIAMETER OF CUTTING LINE:** .095 with automatic line feed head

**CONTROL HANDLES:** D-type adjustable lower handle

**WEIGHT:** 11.9 lbs. without strap and cutting head

**LENGTH:** 68.9 inches

**DRIVE TRAIN:** Bevel gear, solid steel drive shaft

**GAS MIXTURE:** 20:1 Regular gasoline mixed with approved 2 cycle engine oil.

**FUEL TANK CAPACITY:** 16.9 fluid ounces (.5 quart)

**CARRYING STRAP:** Adjustable shoulder carrying strap with quick release hardware

**OPTIONS:**

P/N 33-6400 Fixed line head w/o line (14" cutting swath)

P/N 40-3180 (24) 14" sections of .130 line for fixed line head

P/N 40-3190 (100) 14" sections of .130 line for fixed line head

P/N 40-3170 10" circular saw (brush) blade

P/N 40-3160 10" weed cutter blade

P/N 33-7630 Deluxe harness straps with quick release hardware

P/N 41-4440 Blade adapter kit (required to mount blades)

P/N 41-6810 Deluxe tool kit

P/N 41-6400 4 Prewound spools of .095 line for automatic line feed head

P/N 41-6820 1 lb. spool of .095 line for automatic line feed head

P/N 41-6830 3 lb. spool of .095 line for automatic line feed head

### 21cc DELUXE TRIMMER (Model 30910)

**ENGINE:** Kioritz, air cooled, 2 cycle, single cylinder, 6500 R.P.M., flywheel magneto ignition, automatic rewind starter, nylon flock shielded muffler

**CARBURETOR:** All position Walbro — diaphragm type

**TYPE OF CUTTING SYSTEM:** Fixed nylon line head standard. Debris guard standard

**CUTTING SWATH:** 14" with fixed line head

**DIAMETER OF CUTTING LINE:** .130 with fixed line head

**CONTROL HANDLES:** U-type with spring loaded throttle and shock absorbing rubber hand grips

**WEIGHT:** 13.2 lbs. without straps and cutting head

**LENGTH:** 68.9 inches

**DRIVE TRAIN:** Bevel gear, solid steel drive shaft

**GAS MIXTURE:** 20:1 Regular gasoline mixed with approved 2 cycle engine oil

**FUEL TANK CAPACITY:** 16.9 fluid ounces (.5 quart)

**CARRYING STRAP:** Deluxe harness straps with quick release hardware

**OPTIONS:**

P/N 41-6220 Automatic line feed head

P/N 41-6400 4 prewound spools of .095 line for automatic line feed head

P/N 40-3170 10" circular saw (brush) blade

P/N 40-3160 10" weed cutter blade

P/N 40-3180 (24) 14" sections of .130 line for fixed line head

P/N 40-3190 (100) 14" sections of .130 line for fixed line head

P/N 41-6810 Deluxe tool kit

P/N 41-6820 1 lb. spool of .095 line for automatic line feed head

P/N 41-6830 3 lb. spool of .095 line for automatic line feed head

P/N 41-4440 Blade adapter kit (required to mount blades)

### 30cc TRIMMER/CUTTER (Model 30920)

**ENGINE:** Kioritz, air cooled, 2 cycle, single cylinder, 8000 R.P.M., flywheel magneto ignition, automatic rewind starter, nylon flock shielded muffler, vibration dampening rubber mounts

**CARBURETOR:** All position Walbro — diaphragm type

**TYPE OF CUTTING SYSTEM:** Fixed nylon line head and 10" weed cutter blade standard. Debris guard standard

**CUTTING SWATH:** 14" with fixed line head 10" with weed cutter blade

**DIAMETER OF CUTTING LINE:** .130 with fixed line head

**CONTROL HANDLES:** U-type with spring loaded throttle and shock absorbing rubber hand grips

**WEIGHT:** 15 lbs. without straps and cutting head

**LENGTH:** 66.5 inches

**DRIVE TRAIN:** Bevel gear, solid steel drive shaft

**GAS MIXTURE:** 20:1 Regular gasoline mixed with approved 2 cycle engine oil.

**FUEL TANK CAPACITY:** 15.2 fluid ounces (.5 quart)

**CARRYING STRAP:** Deluxe harness straps with quick release hardware

**OPTIONS:**

P/N 41-6220 Automatic line feed head

P/N 41-6400 4 prewound spools of .095 line for automatic line feed head

P/N 40-3170 10" circular saw (brush) blade

P/N 40-3160 10" weed cutter blade

P/N 40-3180 (24) 14" sections of .130 line for fixed line head

P/N 40-3190 (100) 14" sections of .130 line for fixed line head

P/N 41-6810 Deluxe tool kit

P/N 41-6820 1 lb. spool of .095 line for automatic line feed head

P/N 41-6830 3 lb. spool of .095 line for automatic line feed head

Commercial Products Division



## The Gator Growls

(Continued from Page 21)

same time the installation of hydraulic control tubing to all the heads. He figures to spend more than \$100,000 to complete this irrigation switchover. Next door, Clint Smallridge is planning to spend approximately \$20,000 for new drainage. The reason for this is the property around his course has been elevated for new homes and this has caused the water that used to run off to back up now onto the golf course. Clint also plans additional cart path renovation in selected areas and a complete regrassing of at least four putting surfaces. One other project will be to level several tee tops that have become hump backed due to excessive top dressing where most of the wear appears.

Apparently, many Southwest Florida golf courses are undertaking major renovation programs this year, either because they feel that the funds may not be available next year, or that by doing it now, the golf course will get more value out of the dollar than might be possible a year from now. ■

## New Drag Brush Introduced

Standard Golf Co. has introduced a drag brush for topdressing greens that will eliminate the stress caused by metal drags. The "Brush-Easy" will also do a more efficient job of putting topdressing into aeration holes when light dressing is applied.

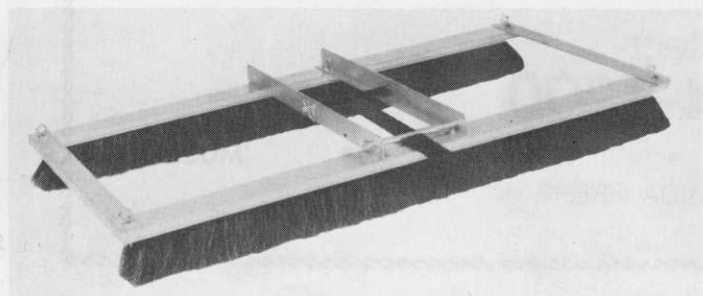
The Pro-Line Brush-Easy mounts six heavy-duty brushes in an aluminum frame that has a total weight of only 22 pounds. The tow bar is designed so that the Brush-Easy may be towed in either direction for longer brush life.

The brushes vibrate topdressing material into the aeration holes, rather than drag the material around, and the brushes stand the grass blades up, putting material around the blades.

According to superintendents, the Brush-Easy doesn't tear up the grass around the aeration holes, doesn't snag the greens, and doesn't pull topdressing off the greens into the low areas.

Greens recover faster. Players are back on the greens faster. And the Brush-Easy makes it possible to do light topdressings — a practice recommended over infrequent heavy dressing.

Complete information is available in the 1981 Standard Pro-Line catalog. Write for your free copy. Standard Golf Co., 220 East Fourth Street, Cedar Falls, Iowa 50613 ■



## Which Soil or Water Test Should I Ask For?

The services offered by the Extension Soil Testing Laboratory of the University of Florida are meant to serve a wide range of analytical needs. Since each test offered by the lab was developed for a specific purpose, it is generally inappropriate to use the test results in situations not anticipated when the test was established.

### SOIL TESTS AVAILABLE

**ROUTINE SOIL TEST.** Provides basic soil fertility information for field and forest crops. Includes pH and lime requirements so *DO NOT* request that test if you ask for the Routine test.

**pH and LIME REQUIREMENT ONLY.** Saves testing for P, K, Ca, and Mg when that information is either not needed or is uninterpretable for the crop or situation in question. *NOTE:* Do not request this test if you have requested the Routine Soil Test. It is included in the Routine Soil Test Option.

**MICRONUTRIENTS.** Diagnosis of suspected deficiencies or toxicities. Interpretation of results are very tentative for most crops at present.

**SOLUBLE SALTS.** Primarily for intensively fertilized commercial vegetable crops.

**INTENSITY AND BALANCE.** Developed exclusively for intensively cropped vegetable soil. Generally interpretable only where sub-surface or seepage irrigation is used under field conditions, and in some greenhouse situations. Specialized interpretation necessary.

**GREENHOUSE AND POTTING MIXES.** Developed for monitoring fertility status of non-soil potting media used in commercial nurseries. Specialized interpretation necessary.

**COPPER TOXICITY.** A semi-quantitative test meaningful only for soil from citrus groves.

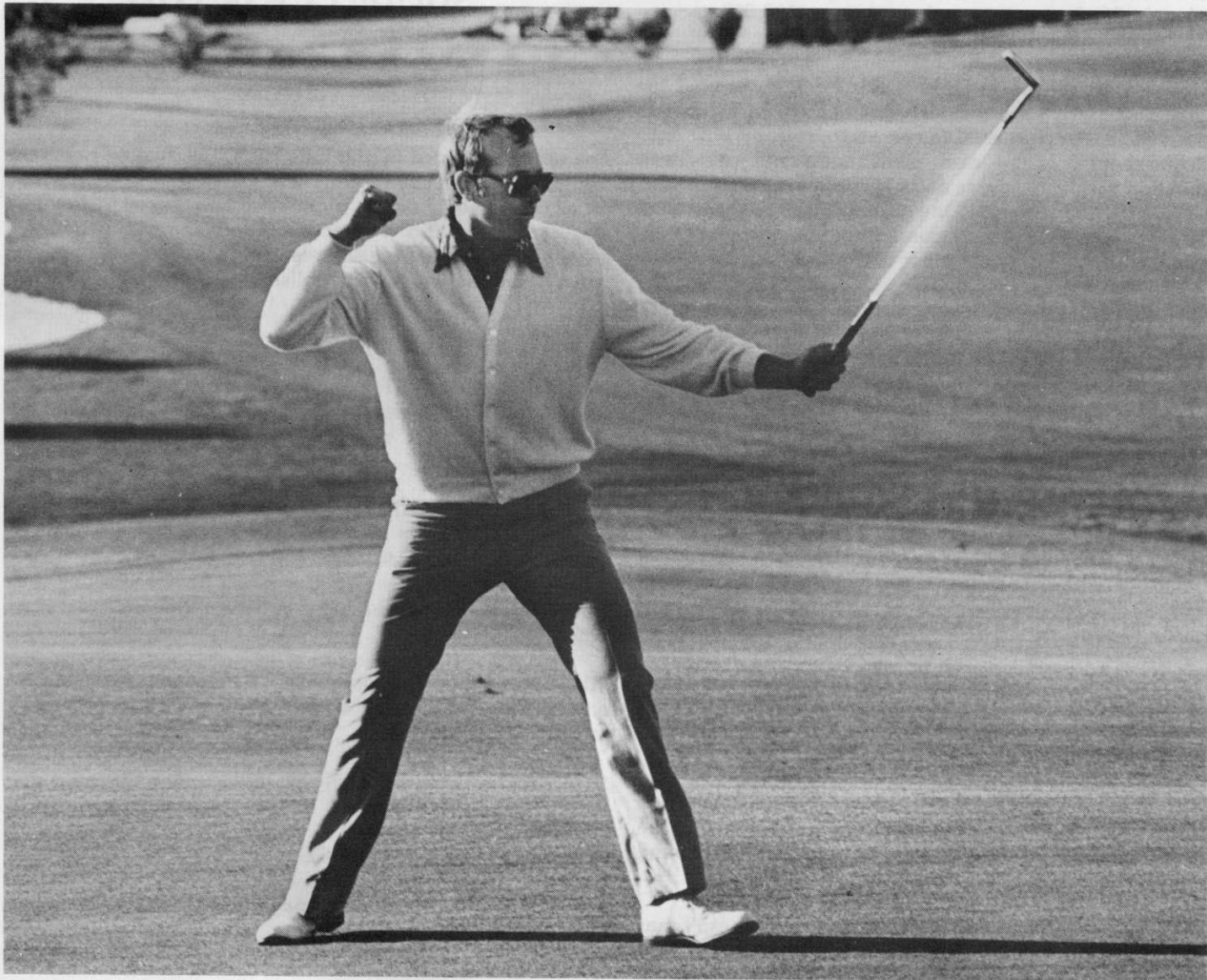
**ORGANIC MATTER.** Quantative measurement of soil organic matter content where needed to guide herbicide applications.

### WATER TESTS AVAILABLE

**HOME WATER ANALYSIS.** For diagnosis of quality of home water supply. Interpretation found Fla. Coop. Ext. Serv. Circular 291B, "Home Water Quality Control".

**IRRIGATION WATER I AND II.** For evaluating quality of irrigation water. Specialized interpretation necessary. ■

# VICTORY DANCE



*DAN MEYER'S LAST PUTT AT INDUSTRY HILLS*



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# Florida Golf Team Wins National Title

We always knew our state had great golfing superintendents but now it is a proven fact. In its initial attempt, our state team won the national championship of the Golf Course Superintendents Association of America. The tournament site was Industry Hills, California. The event was prior to the 52nd International Conference at Anaheim, California.

Our four man team won by a four-stroke margin over runnerup Rocky Mountain GCSA. Our victorious team was led by Dan Meyers, CGCS, Temple Terrace G&CC of the West Coast Chapter. His pace of 70, 77 also won individual medalist honors. Other teammates were Kevin Downing, CGCS, Atlantis Golf Club, Palm Beach Chapter; Fred Klauk, Pine Tree Golf Club, Palm Beach Chapter; and Robby Robbins, Gainesville G&CC, North Palm Beach Chapter. The team was selected from the three statewide golf tournaments: Poa Annua Classic, Crowfoot Open, and FTGA. Winners and best finishers that are going to the tournament represent the state chapter.

In the individual classes, a 15-20 handicap flight, we also had another winner: Bill Jeffrey, Woodmont Country Club, South Florida Chapter.

The eight low individual scores were challenged by the visiting Scotland team. In a match play format the American team won 7-1



Dan Meyers, Melvin B. Lucas Jr., Walter Woods.

## Regulatory Actions

Chlordane can still be used in Florida for subsurface termite control, fire ant control in non-crop areas and for any other use which appears on the label of any chlordane you still have in your possession. The best way to dispose of a pesticide that has either been cancelled or suspended, is to use it according to label directions until existing stocks are depleted. No pesticide has ever been banned in the U.S. A ban is a total cancellation and suspension of all manufacturing and use. Only 3 pesticides have had emergency suspensions issued: 2,4,5-T, Silvex and DBCP. In these cases, it was illegal to use these products for suspended uses, however, they can still be used for some uses. If EPA bans a pesticide, they would probably have to pick up all existing stock, pay invoice price plus 10%, and then safely dispose of the material. This is not likely. Remember, the new regulations allow the "user" to use a pesticide for any pest as long as the site or crop is on the label in the possession of the applicator. The use of chlordane for non-crop fire ant control expires December 31, 1980 and the use of this product for fire ant control in nursery stock in the quarantine program expired December 31, 1979. ■

*Chemically Speaking, April, 1980*

## South Florida Soils

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# Research Grants Awarded

Three research grants totaling \$6,892.00 were awarded during the Annual Meeting of the Florida Turf-Grass Association Conference and Show held October 19 - 22 here.

These research grants were bestowed with the understanding that a research outline would be submitted to the Association publication, the *FLORIDA TURF*, at least annual progress reports and a final report, including conclusions gained from the research projects.

Dr. A. C. Tarjan, Professor of Nematology, University of Florida (Gainesville) was awarded a \$1,000.00 grant to investigate the effectiveness of certain emulsifiers, wetting agents, and surface active agents in the suppression of populations of nematodes attacking turfgrass roots.

The efficiency of such materials has been reported in the past. These materials are not harmful to humans and it is improbable that they will be restricted by regulatory agencies.

Turf plots will be established on nematode-infected areas, treatments initiated and nematode counts taken at various time intervals. Dr. Tarjan will be supervising student help throughout the course of this eight-month study.

Drs. Philip Busey and Bruce Augustin, Turfgrass Breeder and Turfgrass Extension Specialist respectively, University of Florida Agricultural Research Center (Fort Lauderdale), were awarded a \$3,892.00 grant which will enable the two scientists to conduct a survey of the turf species and varieties grown in established urban areas of Jacksonville, Orlando, Tampa and southeast Florida. The main emphasis will be on the identification of St. Augustine varieties grown in residential lawns.

The information gathered will allow the analysis of market penetration of new varieties and will further allow scientists

to tailor their pest control research to the grasses actually grown in the field. Additionally, St. Augustine sod from nurseries and other retail outlets will be collected and identified. This information will hopefully be used to reduce the confusion about St. Augustine sod varieties being sold and to provide consumer protection information.

This project could produce more efficient and reliable methods of vegetative identification and comparisons which could then be enlisted by agencies involved in enforcing certification and standard guidelines. The research will have an additional spin-off benefit in that it will increase the germplasm pool for future St. Augustine variety breeding programs.

The final project sponsored was to Dr. James A. Reinert, Professor of Entomology, University of Florida Agricultural Research Center (Fort Lauderdale). A \$2,000.00 grant was made which will help support research being conducted on the two species of mole crickets which are serious pests of turfgrass in Florida and throughout the southeast United States. In the two year period from 1976 to 1978, it is estimated that mole crickets caused in excess of \$100 million of damage in Florida alone.

Funds will be used to establish two additional mole cricket trapping stations, one in Jacksonville and the other in the Naples area. These additional traps will complete a trap line across the state which has already been implemented by Dr. Reinert in cooperation with Dr. Tom Walker, Department of Entomology, University of Florida (Gainesville). Other traps are currently located in Gainesville, Bradenton, Orlando and Fort Lauderdale.

This study will provide information on the flight behavior and dispersion of mole crickets throughout Florida. Information gained should be useful in predicting when mole crickets might become damaging in a region of the state. Knowledge of their flight and dispersion will also help in developing and timing control strategies for these destructive turf pests.

With questionable chemical availability and efficiency, such a study could prove useful in determining points in the life cycle where mole crickets would be increasingly susceptible to chemical control. ■



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# What's Happening In Golf Facility Development

By HARRY C. ECKHOFF

Director Information Services, National Golf Foundation

## Golf Course Development 1980

Golf course openings across the country during 1980 show a slight improvement over 1979 with 132 and 125 openings respectively.

The leading states among the 132 courses reported open in 1980 were Florida, 26; California, 12; Arizona, 11; South Carolina, 9; Texas, 8; Michigan, 7; and Illinois, Indiana and Minnesota, each with 5.

Leading states in 1979 were Florida, 15; California, 14; Michigan, 10; Ohio, 8; Illinois and Texas each with 6; North Carolina and Pennsylvania each with 4.

New golf course construction starts reported for 1980 were 115; there were 147 in 1979. Of the 115 new courses reported under construction, 55 were additions to existing facilities. New golf course prospects decreased from 130 in 1979 to 83 in 1980. NGF records reveal that on January 1, 1981 there were 391 courses in some state of construction.

The decrease cited above can be attributed in part to the increasing development costs due to high inflation and continuing high interest rates. Like other business enterprises, golf facilities will not, and should not, be built when it is not economically feasible to do so.

The leading states with new golf course starts in 1980 were Florida (24), Michigan (15), California (7), New York (6), Arkansas and South Carolina (5 each), and Arizona, Indiana, Missouri, Montana, Ohio, Texas and Wisconsin (4 each).

An analysis of golf facility activity in the nation for 1980 reveals that Florida is the big leader with 76 projects when combining courses openings, construction starts and prospects. ■

## Florida Turf-Grass Association Elects New Officers and Directors

New Officer and Directors were elected recently at the 28th Annual Conference and Show of the Florida Turf-Grass Association. Serving as President will be James D. Carter, President of Bingham Seed Company, Inc., Jacksonville; Vice President is Dan Jones, Superintendent at Banyan Golf Club, West Palm Beach. Serving his second term as Secretary-Treasurer is Paul L. Deets, Marketing Manager for Woodbury Chemical Company, Mount Dora. Harvey E. Phillips is the Immediate Past President.

New Board Members include: Stephen E. Baeumel, Director of Golf Course Operations for the City of Pompano Beach; Max A. Brown, Ph. D., turfgrass consultant, Plantation; and Michael J. McLaughlin, Sales Manager of DeBra Turf and Industrial Equipment Company, Tampa. Re-elected were: E. E. "Mack" Baugh, superintendent of Longboat Key Golf & Tennis Club and Gerald Millholen, Agronomist/Sales, Southern Turf Nurseries, Brandon. Returning Board Members are: Michael T. Ayer, Quandt, Ayer & Associates, Tampa, Jim Hamilton, Zuan Equipment, Inc., St. Petersburg; John P. Hayden, San Jose Country Club, Jacksonville; W. Timothy Hiers, Suntree Country Club, Melbourne; Thomas M. Latta, Ph.D., Florida Aquatic Weed Control, Inc., Fort Lauderdale; Leroy Phillips, Green Glove Corporation, Fort Pierce; Lloyd D. Purdy, Jr., A. Duda & Sons, Oviedo; Michael Swanson, Pursley Turf Farms, Palmetto; and William G. Wagner, Tequesta Country Club, Tequesta.

The turf industry in Florida has been valued in excess of \$534 million. The Florida Turf-Grass Association was founded in 1953 and is dedicated to education and research.

The 29th Annual Conference and Show will be held at the Sheraton Towers Hotel, Orlando, October 18-21, 1981. ■

## No Superintendents Meeting

The second annual Palm Beach "no superintendent" meeting was a huge success. At this unique meeting sponsored by the Palm Beach Chapter, no golf course superintendents were allowed to attend. The meeting is an all day education session for golf course assistants, foremen, irrigation technicians, mechanics, and other leading staff members. Also attending were several golf pros and a greens committee member. Attendance was 82, with over 40 clubs represented. Attendance figures showed neighboring South Florida and Treasure Coast Chapters were represented. The most amazing statistic is that attendance was still 82 at the end of the all day session. That figure would not be achieved at a "regular superintendent meeting." Match that gentlemen!!!! (Continued on Page 26)



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# Mole Cricket Alert

Information compiled  
By UDAY K. YADAV  
Florida Cooperative Extension Service

It is that time of year when you folks are hassled with those cute little critters called mole crickets. Estimates indicate mole cricket population is once again on the rise in Central Florida. The presence of mole crickets is indicated by burrows in soil, loose soil, uprooted seedlings, and damaged roots.

The major mole crickets found in Florida on bahia grass, zoysia grass, and bermuda grass are the southern mole cricket (*scapteriscus acletus* R.) and the Puertorican mole cricket (*scapteriscus vicinus* scudd). Mole crickets are odd, velvety, greenish-brownish creatures, 1½" long. Has short forelegs and shovel-like feet with large beady eyes. They live in the soil and even one cricket can cause severe damage on a lawn in a short time by loosening the soil and feeding on grass roots. They are active nocturnally, prefer humid conditions, and a temperature above 70°F. During warm humid conditions especially after a rain or irrigation, they can be found on the soil surface gathering bits of food. They lay eggs in the spring, usually in underground cells which hatch in about two weeks during April or May. The nymphs become adults by fall. The mole crickets have only one generation per year.

## Control

Under proper temperature (above 65°N) and moisture conditions mole crickets can be controlled by sprays, granules or baits. Proper timing, proper frequency (two applications 10 days to 2 weeks apart) and proper application are important. Several golf courses have been very successful in controlling mole crickets during late May or early June when nymphs are still very small. A mole cricket bait (0.5% to 2%) containing Baygon, Dursban or Toxaphene applied during July and August has provided satisfactory control. Recently, best results have been obtained with 5% granules of Mocap. As far as we know, Scott's brand is the only formulation of Mocap that has mole crickets included on the label. More information on the availability of this product can be obtained through O.M. Scott's representative, Mr. Keith Webster. His telephone number is (813) 644-1606. Mocap is a restricted pesticide and is recommended for commercial use only. ■

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# No Superintendents Meeting

(Continued from Page 25)

Joe Konwinski, retired area superintendent and Palm Beach Junior College turf instructor, moderated the program. The session was held at the Palm Beach Junior College, Lake Worth campus. Otis Harvey, Dean of Continued Education, and Fred Hollings, Coordinator of Continued Education, supplied the superb facility.

A variety of subjects were covered. Dr. Max Brown, Liquid Ag Systems; spoke on all types of fertilizer and the turfgrass nutritional need. Bob Fretz, head sales representative, and Tom Peyton, service manager, from Trail Ford Tractor Company discussed diesel and gas engine repairs and maintenance. Bob Lewis, service manager for Mity Mite Motors, reviewed small engine trouble shooting and repair. Cliff Quinn, Rainbird Irrigation, explained irrigation design, installation and repair. Chuck Ankrom, golf course architect, discussed golf course design and construction. He also reviewed his recent trip to Scotland with excellent slides of their courses. Many whispers of disbelief were heard in the audience about the contrast between "true golf" and the American version.

Next year's program is already being planned. Next year make sure your staff is part of this success story. ■

## Let's Tip Our Hats to the Areas's Golf Course Superintendents

By VINCE SMITH

The year 1980 has been a spectacular period for golf growth in Southwest Florida and the bulk of the game's incredible expansion has come in the area of development-type facilities.

The architects of these fine new lower Gulf Coast playing facilities and the club professionals who will oversee the actual golfing operations have been duly acknowledged from time to time.

There is, however, one segment of the technicians whose work in making these new outdoor playing arenas an instrumental part of our lifestyle who still do not receive adequate recognition.

The body of men so integral to a successful golf course program is the golf course superintendents who supply such vital input into bringing these new facilities up to good playing standards.

Bob Sanderson, golf course superintendent at Port Charlotte Country Club and the prime moving factor behind the increasing ascendancy of the Everglades Golf Course Superintendents Association, dropped a gentle reminder several weeks ago that the superintendents at these new clubs should not go unnoticed.

(Continued on Page 31)

# GCSAA Award Honors Hans Schmeisser Memory

Three Distinguished Service Awards were presented at the 52nd International Turfgrass Conference and Show by the GCSAA. This is our profession's highest honor. The awards were given to Dr. Ralph Engel, research professor in Turfgrass management at Rutgers University; Geoffrey Cornish, golf course architect of more than 170 courses; and Hans Schmeisser, Florida golf course superintendent for over 50 years. He died October 26, 1980, age 88.

The nomination of Schmeisser was a joint movement of South Florida and the Palm Beach chapters. He was the superintendent of Forest Hills Golf Course, West Palm Beach. Even at his advanced age he was still very active in both his local chapters.

To review Schmeisser's career is a journey back into Florida golfing history. Born and educated in his native Germany, he trained in horticulture, after serving in World War I. Upon moving here he worked with Baron Collier to landscape Everglades City. The year was 1929. Several years later he built a resort golf course there. Remember this was 50 years ago! At the time there was less than a dozen courses in the entire state. During the years from 1948 through 1980 he was involved with design, building or rebuilding of over 25 courses with many famous architects. He had been a turf consultant for many clubs throughout the south. People that knew him will remember his high professional standards which are guidelines for all of us today. He was always experimenting with new ideas, grasses, and equipment. He used 2,4-D in experiments six years before it was marketed. In 1951 he was the first to use hybrid turf Bermuda on a golf course. Ray Jensen, noted past president of Southern Turf Nursery, credits Schmeisser with the invention of the fairway sprig planter. Jensen says, "In 1957 he invited us to plant a par three golf course in Lakeland. He had designed the course. This job opened up the opportunity to spread vegetative hybrids to the far corners of the world. Prior to the Lakeland experience our method of planting sprigs was by hand or with a one row tobacco planter. When I told him I had doubts about getting that much grass into the ground, he said not to worry, he would show me how to get it done. When we arrived on the scene, Schmeisser introduced me to the first straight disc planter. When we finished the job, he told me to go home and build my own machine". Dr. Glenn Burton, 1958 Distinguished Service Award recipient said, "I can think of no one who would have a better total record than his." Tom Mascaro, 1976 Distinguished Service Award recipient, said, "I took my first greens aerator to Schmeisser because he would immediately tell me if it was good or not." Jor Konwinski, FTGA president, says. "The integrity, success and professionalism of the golf course superintendents way of life is a result of men like Hans Schmeisser." Bill Wagner, state association president, said, "Pioneers in exploration are often remembered by a body of water or a

land mass; pioneers in science are made famous thru a medicine or chemical; pioneers in space will always be recognized for their daring exploits; but pioneers in a slow developing industry such as ours are most often forgotten. As gradual improvements unfold and cultivate the evolution of a profession which starts out as a relatively obscure job and builds into a position of endless responsibility." ■



*Otto Schmeisser accepts award for father Hans.*

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<b>Color</b>	Medium Green	Dark Green	Deep Green
<b>Mowing Quality</b>	Excellent	Good	Very Good
<b>Density</b>	Excellent	→	
<b>Establishment</b>	Excellent	→	
<b>Putting Quality</b>	Excellent	Very Good	→
<b>Texture</b>	Fine	Medium to Coarse	Fine to Medium
<b>Seedling Disease Resistance</b>	Excellent	Very Good	→
<b>Spring Transition</b>	Very Good	Excellent	Very Good

Characteristics

