

## UPDATE

### Kelthane voluntarily suspended

Rohm & Haas has voluntarily suspended sale of the miticide and powdery mildew fungicide Kelthane (dinocap) until additional studies are completed.

Like silvex, dinocap was susceptible to attacks because of biproducts it contains, in this case DDT, rather than the active ingredient. Rohm & Haas attorneys say the company has developed methods to reduce the level of DDT produced as a by-product during manufacturing. Levels of DDT reached 10% during EPA studies.

EPA accepted Rohm & Haas's voluntary suspension and is giving the company until April 1 to produce new research data.

### Elanco enjoys burst of labels

Elanco's fortunes were evidenced by a string of label approvals this winter. The first was Rubigan, a fungicide for turf. This would have been plenty for nearly any chemical company. But, to make the rewards even sweeter, EPA is expected to say yes to new Surflan and Treflan combinations called Team and XL for weed control to add to Elanco's Balan business. A growth regulator called Cutless and an aquatic herbicide named Sonar should be registered within months.

Meanwhile, Ciba Geigy hopes to see approval for the turf insecticide Triumph and the fungicide Banner this winter. Many of these products have been expecting registrations for more than two years.

### Monsanto's Limit now labelled

"A triple to deep center," is what Monsanto President Richard Mahoney calls Limit, the company's new growth regulator. Monsanto calls Roundup one of its home runs.

Limit received EPA registration for utility turf two months ago. Research plots with Limit have looked good in state trials.

### Ruckelshaus' leaving signals cuts

Washington insiders believe William Ruckelshaus, twice administrator of EPA, left his post mainly due to impending budget cutbacks and not simply because he felt he had the Agency back in shape.

Registrations had just started to flow again, more than a year after Anne Gorsuch Burford was replaced. Ruckelshaus successor, Lee M. Thomas, was head of EPA's Toxic Waste program and will focus primarily on those programs.

Any major change of direction in the agency may hamper current momentum established by chemical manufacturers.

## INDUSTRY

### Crowd toasts LESCO's new headquarters

The planners for LESCO's open house of its new headquarters in Rocky River, OH, were expecting 500 guests. Instead the newly painted and polished walls bulged with hundreds more.

Customers and suppliers from as far away as Oregon toured the new building's labs, offices, computer facility, and display truck.

A sense of accomplishment was evident on the faces of Chairman Jim Fitzgibbon, President Bob Burkhardt, and vice presidents Gene Probasco, Herb Cole, Ron Giffen, Skip Burkhardt and Ron Smith. In 22 years, LESCO has grown from a local nursery and golf course supplier into a public corporation ser-



ving the Green Industry in 22 states.

Lesco Chairman Jim Fitzgibbon and Elanco's Tom Perkins celebrate the opening of Lesco's new headquarters in Rocky River, OH.

## EQUIPMENT

### Deere expands equipment warranty

John Deere announced an expanded warranty for new grounds care equipment starting with purchases made on Oct. 1, 1984.

Under terms of the new warranty homeowner products will be covered for two years instead of one and the two-year warranty also applies to many commercial machines, including walk-behind mowers, certain tractors and the company's new line of front mowers for professional groundskeepers.

The new John Deere limited warranty applies to:

Walk-behind mowers designated

# Two Reasons Why Today's Golf Courses are Going Rain Bird:



The Vintage Club, Indian Wells, CA



## Controllers and Rotors

Today's Courses . . . Vintage, Peachtree, The Boulders, Sweetwater, Callaway Gardens, The Lakes, Pinelsle, Wailea, La Costa.

There is a good reason why Rain Bird irrigation systems are the choice today for these and hundreds of other golf courses around the world. In fact, there are two good reasons . . . Maxi® III, the control system for today's (and tomorrow's) courses, and Rain Bird's new series of valve-in-head rotors.

The complete Maxi Irrigation Management System (MIMS™), from its IBM computer to its in-field stand-by modules, offers the golf course superintendent multi-function, multi-station performance with unequaled flexibility.

Rain Bird's 47DR and 51DR rotors, engineered to meet stringent water and energy conservation demands while outdistancing the competition, feature the industry's first diaphragm valve, internal porting and built-in regulation.

Rain Bird . . . Today's irrigation system for today's golf courses.

**RAIN BIRD**

For more information on Rain Bird golf course irrigation systems, write:  
Rain Bird Sales, Inc. Turf Division, 145 N. Grand Ave., Glendora, CA 91740

by John Deere as commercial. (Two years)

All other walk-behind equipment (Two years; one year if used for purposes other than personal household use).

Tractor models 650 (14.5 PTO hp) and 750 (18 PTO hp). (Two years or 1,500 operating hours, whichever

comes first.)

All other tractors and riding mowers of 16 hp or less. (Two years or 1,000 operating hours, whichever comes first.)

When a loader, backhoe, snow thrower, material collection system or other attached implement is purchased with a grounds care machine,

the implement is warranted for the same period as the machine.

## SEED

### Idaho field burning issue heats up

The Associated Press reports the Idaho Board of Health and Welfare has adopted controversial new regulations covering grass-burning and other open field burning in the state.

Grass seed growers burn their fields in August and September to get rid of stubble after the seed is harvested.

The measure, however, appears to be headed back to the Idaho legislature because of formal protests from the seed growers in the area.

Residents in the area of Coeur d'Alene, ID, say the smoke fills the valleys, causes health problems and chases tourists away.

The state regulates open field burning and can ban it outright under certain emergency situations.

Don Jacklin of Jacklin Seed, Post Falls, ID, told the Intermountain Grass Growers Association board the industry would like some form of mandatory fee imposed on grass-burners. He said that could help fund research into alternatives to burning. Jacklin said the association now has a voluntary contribution program, but only about half its members participate. Jacklin said growers are participating in on-going research in Oregon and want to continue funding the program.



Available in 32", 36", 48" and 60" models. 48" Model no. 48110H shown

Lawn and turf care professionals turn to Kees for their commercial cutting needs. They know Kees heavy-duty machines are engineered to deliver unmatched performance and ease of operation.

The 32" and 36" units are equipped with either an 11 h.p. Briggs I/C engine or 11 h.p. Honda synchro-balanced engine. The 48" electric start engine has a 14 h.p. Briggs I/C engine and the 60" unit is equipped with an 18 h.p. electric start Briggs I/C engine.

Kees mowers are designed with the operator in mind. Fingertip controls are conveniently operated from the optional sulky and individual rear drum brakes provide responsive handling on all types of terrain. The sulky can be quickly detached for difficult side hill cuts or for transport.

Fully baffled under-deck design for clean, safe discharge and a time saving 4-gallon fuel tank that lets you cut more acres per hour.

Kees mowers make short work of those tough cutting jobs and give you a greater return on your investment. Kees 32", 36", 48" and 60" mowers...the heavy-duty workhorses!

For more information, write

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**Built by Professionals...for Professionals**

## SAFETY

### Standard issued on turf equipment

The revised American National Standard, just published by the American National Standards Institute, establishes safety specifications for mowers and tractors, debris pickup units, and rake attachments for tractors.

These machines can either be self-operated, ride-on machines, towed machines equipped with wheels, or machines controlled by an operator walking behind the unit.

Application of the standard by manufacturers of commercial turf care units is intended to prevent:

- Injury through inadvertent contact with machine blades or rotating parts
- Accidents caused by machine instability
- Injury resulting from inefficiency of mechanical drives on machines
- Fires and burns caused by machine disfunction.

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Rubigan Now Fully Labeled



# RUBIGAN,<sup>®</sup> THE FUNGICIDE WITH POA-TENTIAL

Rubigan puts your fungi on the road again and sends *Poa* packing. With your blessing. Because while Rubigan controls dollar spot and large brown patch at low rates, at higher rates it also controls snow mold, fusarium blight, stripe smut, and gradually reduces *Poa annua*.

Have *Poa* your way. Keep it, or slowly phase it out. Depending on application rates, it's your choice. Gradual *Poa annua* reduction can be achieved with Rubigan and proper management techniques, or Rubigan can be used at low rates in a normal dollar spot program without affecting your *Poa annua*.

Rubigan penetrates leaves rapidly. It's not susceptible to washoff once the spray dries. And don't worry about fungi resistance due to Rubigan's multi-sites of inhibition. Rubigan also lasts longer. Longer spray intervals reduce application trips, saving you fuel and labor. Plus Rubigan gives you excellent turfgrass safety. It's as good for your turfgrass as it is devastating to your five major turf diseases.

So whether *Poa* is friend or foe, build your turf disease prevention program around Rubigan. **Turf products with benefits that make the difference.**

For best results always read and follow label directions.

Rubigan<sup>®</sup> — (fenarimol, Elanco Products Company)

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Circle No. 162 on Reader Inquiry Card

General requirements apply to all common turf care units. They cover guarding and shielding to minimize inadvertent contact with hot or moving machinery; labeling; instructions for operation, service and maintenance; and specifications for electrical components and operator's zone and controls.

Other sections of the standard give specific requirements for self-propelled commercial turf walk-behind equipment and ride-on units and turf tractors and attachments. Both include specifications for operator's controls, braking mechanisms and stability.

The Outdoor Power Equipment Institute, Inc., sponsored the development of the standard. Copies of American National Standard Safety Specifications for Commercial Turf Care Equipment (ANSI B71.4-1984), are available from ANSI Sales Department, 1430 Broadway, New York, NY 10018. Cost is \$9.

See us at GCSAA  
Booth # 1120

## PEOPLE

### Names in the News

Florida is losing entomologist **Dr. Jim Reinert** to Texas A&M. Reinert will assume the Dallas research position formerly held by **Al Turgeon**.

Ohio State University turf pathologist **Dr. Phil Larsen** starts a new job this month as head of the plant pathology department at the University of Minnesota.



Harry Podvia

Lesco Inc., Rocky River, OH, has named **Harry Podvia** "Lawn Care Salesman of the Year." Lesco salesman and Vice President of National Sales **Ron Giffen** was honored for first place in sales. Podvia placed second in that category and **Glen Lessig**, Lesco lawn care salesman for the East Coast, placed third. Product development manager **Paul Morgan** was also recognized for his work in developing the Lesco spreader and Lesco Jet Action Deflector.

In other Lesco news, **Gregory A.**

**Richards** has been named product manager, turf chemicals while **Bob Yarborough** comes over from Mobay to serve as Lesco's production manager for liquid "Prowl." Lesco says goodbye to **Dave Green**, the new national accounts manager for the commercial division for Tru-Green.

**William A. Feury Jr.** of Clifton, NJ, is the new president of the Atlantic Seedsmen's Association.

**Robert L. Tate** has been named manager of the newly created municipal/urban forestry division for the Asplundh Tree Expert Co., Willow Grove, PA.

The Ariens Co., Brillion, WI, has appointed **G. Roger McGrath** vice president of finance.



Robert L. Tate



G. Roger McGrath



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For Use Only by Professional Applicators on  
Ornamental Trees, Shrubs and Turf

ACTIVE INGREDIENT:	Percent by Weight
Bendiocarb: (2,2-dimethyl-1,3-benzodioxol-4-yl methylcarbamate*)	76%
INERT INGREDIENTS:	24%
	Total 100%

\*Protected by U.S. Patent No. 3,736,308

EPA REGISTRATION NO. 45639-59  
EPA EST. NO. 45639-MI-1

### KEEP OUT OF REACH OF CHILDREN WARNING

#### HARMFUL OR FATAL IF SWALLOWED STATEMENT OF PRACTICAL TREATMENT

**If swallowed** — Drink 1 or 2 glasses of water and induce vomiting by touching back of throat with finger. Do not induce vomiting or give anything by mouth to unconscious person. Get medical attention.

**If inhaled** — Remove patient to uncontaminated area. Keep patient strictly at rest and transfer to hospital immediately to get medical attention.

**If on skin** — Wash with soap and warm water.

**If in eyes** — Flush thoroughly with clean water.

**NOTICE TO PHYSICIAN** — Obtain a cholinesterase containing antidote and be prepared to give it. Dose: 1 mg/kg body weight.

An advanced carbamate insecticide that roots out and ruthlessly destroys white grubs, chinch bugs, sod webworms, mole crickets and other lawn and turf "terrorists". This tough operator doesn't get trapped in thatch, thus assuring positive grub control. TURCAM<sup>®</sup> is odorless...works well in spray equipment...won't damage turf or ornamentals. You'll find that TURCAM packs a federally-approved nationwide label, too.

Powerful reasons for assigning TURCAM to your toughest pest control problems.

For more information on TURCAM, including full labeling and recommendations for use, contact your local distributor or write to:

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on Reader Inquiry Card



# WHAT MAKES A CUSHMAN FRONT LINE™ WORTH THE INVESTMENT:

*We've given it 35% more mowing power  
and a new 4-wheel option.  
But that's just for starters.*

**T**he 1985 Cushman Front Line is not the cheapest mower you can buy.

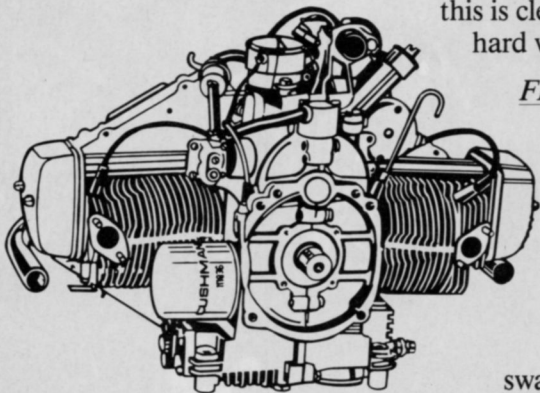
But it is most certainly the least costly mower you can own. Simply because it's built to last years longer than any other mower made today.

Here's the proof.

## A NEW 22-HP ENGINE.

Every gas-powered Front Line is now equipped with the remarkable new 22-hp Cushman engine\*.

It gives you the power to maintain speed through tall grass,



dense weeds and other conditions that might stop other mowers.

It's built the way you want an engine built — tough. The crankshaft is forged alloy-steel. The cylinder heads are reinforced for extra strength under stress.

And all the details — from the Teflon-coated O-rings and the swaged-in-place valve guides, to our exclusive Clean-Air Induction System — were designed with one goal in mind.

Years of dependable performance.

## BUILT TO LAST.

The Front Line is 1300 pounds of mowing muscle.

Its mowing deck is 12-gauge carbon steel; reinforced, arc-welded and surrounded by a tubular torsion system that prevents twisting.

From the machine-sharpened, heat-treated steel blades to the diamond-plate steel floorboard, this is clearly a machine made for hard work.

## FIRST CLASS MOWING.

Here's where it all pays off: the quality of a Front Line mowing job.

The three cutting blades are positioned to overlap each others'

swath slightly. So no grass is left uncut. The driver can maneuver around bushes, trees and sidewalks with incredible precision, thanks to the Front Line's Dual Traction Assist pedals — separate braking for each of the two front wheels that gives you a zero turning radius.

## THE CHOICE IS YOURS.

No other mower can be equipped to match your needs as perfectly as the Front Line.

For instance, you can add the exclusive Cushman Grass Caddy™ system, which lets you cut, catch and hydraulically dump 16 bushels of clippings without leaving the driver's seat.

You can choose our original 3-wheel design, or Cushman's new 4-wheel model (a big plus on delicate turf or steeper grounds.)

You can shut out the elements with a weathertight cab. And keep your Front Line working all year with a Snow Thrower or Rotary Broom accessory.

But no matter how you equip your Front Line, one thing is certain.

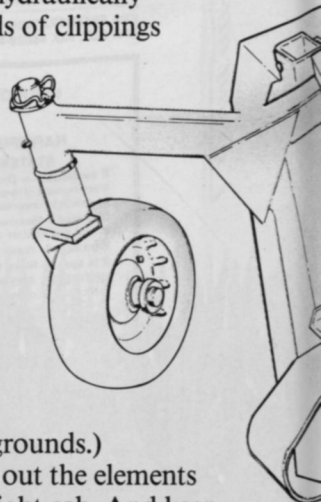
It's an investment you'll be glad you made.

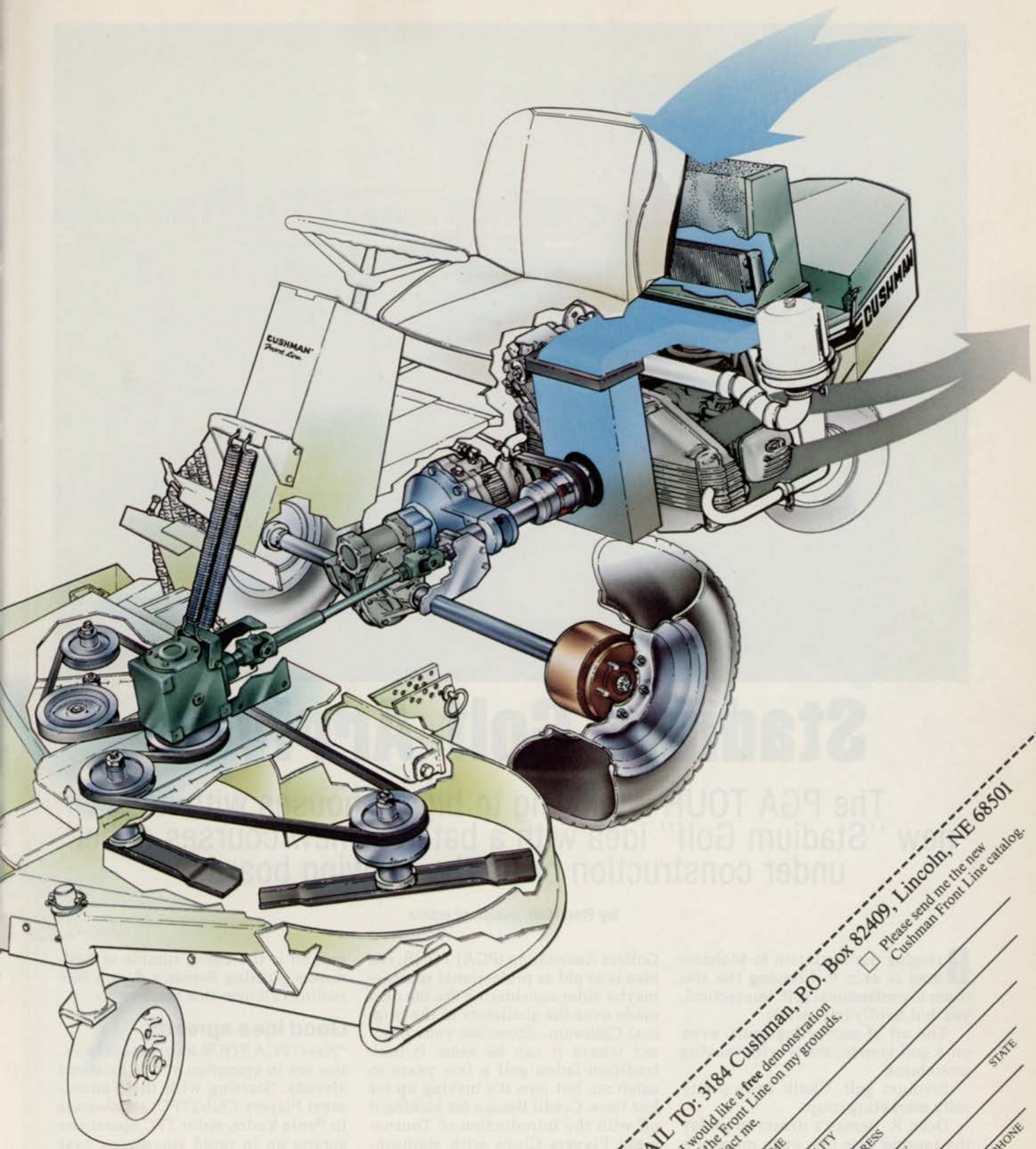
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*It works harder because it's built better.*





# Stadium Golf Arrives

The PGA TOUR is playing to bigger houses with its new "Stadium Golf" idea with a batch of new courses either under construction or on the drawing boards.

by Ron Hall, assistant editor

**B**ringing the mountain to Mohammed is akin to bringing the stadium to professional golf. Impractical, yes, but hardly impossible.

The art of converting souls, even on a golf course, starts with moving mountains.

Stadium golf. Chalk up a pretty nifty marketing coup.

Dean R. Beman's dream to parlay the touring pros into even more of a spectator event (meaning more converts, more exposure, more bucks) is taking off. Beman, of course, is the commissioner of the Professional

*Spectators at the 18th green are treated to this view of the colonial clubhouse as well as the action below from their "stadium" seats.*

Golfers Association (PGA) TOUR. His idea is as old as professional sports—maybe older considering the big deal made over the gladiators in the original Coliseum. Showcase your product where it can be seen. It took tradition-laden golf a few years to catch on, but now it's making up for lost time. Credit Beman for kicking it off with the introduction of Tournament Players Clubs with stadium-type seating facilities.

"Stadium seating is something the commissioner has had in the back of his mind for as long time," Dale Antram at PGA national headquarters in Ponte Vedra, FL, tells *Weeds Trees & Turf*. "It's more than making it. It's getting tremendous reaction."

That sound you hear in the back-

ground is the sweet rumble of bulldozers pushing Beman's dream into realities all over this country.

## Good idea spreads

"New" PGA TOUR tournament facilities are in operation at five locations already. Starting with the Tournament Players Club (TPC) at Sawgrass in Ponte Vedra, sister TPC operations sprang up in rapid succession near Coral Springs, FL, Hartford, Ct, Castle Rock, CO, Washington D.C., and Houston. Not all of the courses are new, some have been renovated. All, however, will have several features in common, the most obvious being an annual major tournament and provisions to allow thousands of additional spectators to see the touring pros in