

pieces of the moss plant around that can quickly establish itself in another area of the golf course. With the amount of foot and machine traffic that occurs every single day on a golf course, it is easy to see how quickly an isolated spot of moss can spread to every green on the course.

Current Control Options

There has been considerable research done in other parts of the country on different chemical controls for moss. Yelverton (2005) had success controlling moss in North Carolina using several different iron fertilizers and different Daconil formulations. Cook et al. (2002) had successful control in Oregon using Kocide 2000 (copper hydroxide), a soap product called No-Mas, and especially Junction. Landschoot et al. (2004) at Penn State also found Junction to be successful in controlling moss, and identified a rate of 4 oz/1000 sq. ft. to be optimal in cool weather.

What is interesting about the research is that what may work in one study had very little control in another. Yelverton (2005) had good moss control using Daconil in North Carolina, while Cook et al. (2002) had little to no control using it in Oregon. Cook et al. had success using No-Mas, but when tested in more arid California climates the product was said to be ineffective. Landschoot et al. found that Junction was an ineffective moss control during the humid Pennsylvania summers, but had better control once the temperatures cooled down in late fall.

What all this variability suggests is that climate plays a significant factor in not only what moss control products you can use, but also how effective they will be and the proper timing of those applications. What controls moss in North Carolina doesn't appear to work in Oregon or Pennsylvania. The question remains then; what products successfully control moss in Wisconsin?

Wisconsin Moss Control

Our research this summer at the University of Wisconsin-Madison will focus on the efficacy of moss control products in Wisconsin's unique climate. Some treatments successful in other climates will be tested, as well as some newer moss control programs that have been developed in recent years. Treatments will include a Daconil/Spotrete/Fore combination, Junction, Quicksilver, Dawn Ultra, and an experimental treatment. Many of these treatments are not labeled for moss control, but we are testing them in the hope of pushing for a moss label in the future for any successful products. The study will be conducted at the O.J. Noer Turfgrass Research Facility on a Penncross creeping bentgrass green mowed at 1/8 of an inch that has recently become infested with moss.

Preliminary results will be available to those attending the Wisconsin Turfgrass Association's Field Day at the O.J. Noer Turfgrass Research and Education Facility on July 26th. Please feel free to email me at plk@plantpath.wisc.edu if you have any questions regarding moss control or our research.

References:

- 1) Cook, Tom, Brian McDonald, and Kathy Merrifield. "Controlling moss in putting greens" *Golf Course Management*. Sept 2002 p. 103-106.
- 2) Landschoot, Peter, Joshua Cook, and Bradley Park. "Moss control- new products and strategies". *USGA Green Section Record* July/August 2004 p. 7-9.
- 3) Raven, Peter; Ray Evert, and Susan Eichhorn. *Biology of Plants*. 1992 p. 308-313.
- 4) Yelverton, Fred. "Managing Silvery-Thread Moss in Creeping Bentgrass Greens" *Golf Course Management*. March 2005 p. 103-107. ♣

FOR SALE

RANSOMES 300D
FAIRWAY MOWER

4WD, 1034 hours

New engine has 100 hours.

All new reel bearings, fully serviced
and ready to mow

\$8,500 OBO

Contact Rich Eberley
608-335-4040



Specializing in:
Parking Lots - Cart Paths - Green Protection

262-363-2281
midwestcurb.com

Mj&C

A FOND FAREWELL TO THE TURF DOC

By **Oscar Peterson**, Golf Course Superintendent, Watertown Country Club

When University of Wisconsin - Madison turf students and faculty, both past and present, recall their experience with UW-Madison's Soil Science Department, many undoubtedly remember the impact that one person had on their lives. That influence is Dr. Wayne Kussow, who after nearly twenty years of service to turf students, will be retiring this summer.

To commemorate his retirement, a celebration was held at Blackhawk Country Club in Madison on June 7th. Approximately 80 well-wishers attended the party; old advisees, current students and the entire UW-Madison turf faculty. Many took this opportunity to give a long deserved thank you to a man who has given so much to so many people. His passion for his work and in helping others influenced years of students as shown by the attendance and the positive comments that echoed throughout the evening.

The party began with a receiving line as Dr. Kussow greeted familiar faces from past and present. Some were current students and others were faces from twenty years ago. He recognized everyone and remembered individual accomplishments. Some were from Wisconsin and others traveled from long distances: Tennessee, New York, Florida, California and even Barbados.

Oscar Peterson welcomed everyone and began the evening with an informal interview of Dr. Kussow. Attendees were given a little history right from the horse's mouth. Oscar went on to relay his experience as a turf student, advisee of Dr. Kussow and as a graduate. His was an experience

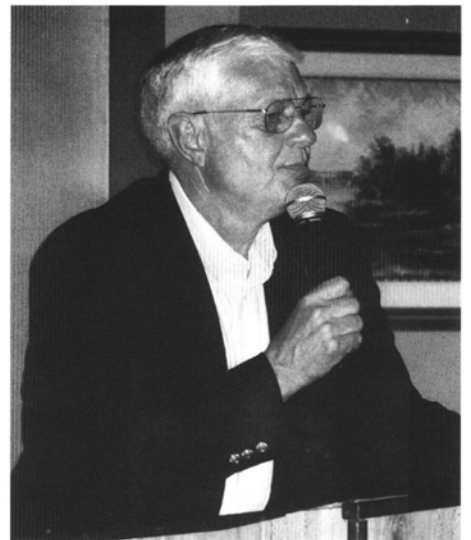
similar to others in the room with many accolades going to the positive influence and advisement from the Turf Doc. Oscar stressed that over the years there was no formal way as students to thank him for his work; no gold watch to give or plaque to hang on the wall. Therefore the party, a ball rack with enough spots for all of his graduates to display a golf ball from their club, and a lifetime of golf shirts were presented to him. These were small gifts in comparison to the words of praise received throughout the evening.

The night continued with an invocation from graduate, Kendall Marquardt. He asked for thanks in bringing everyone together for such a meaningful occasion. He, along with the others, wished Dr. Kussow well with his future endeavors.

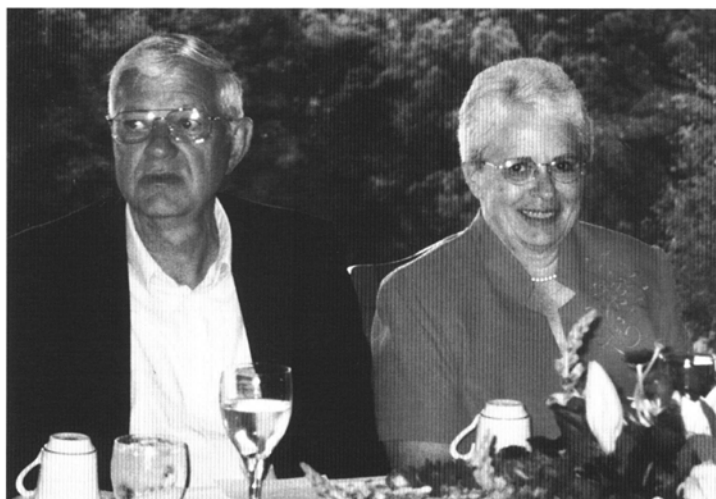
Doug Soldat, currently finishing up his PhD at Cornell University, was next at the microphone for a toast. He recalled some interesting stories while obtaining his Masters degree under Kussow's advise-

ment. He enlightened us with some of Dr. Kussow's common sense approaches to problems and how they have helped him out in his career.

During the dinner, guests made good use of the open microphone. Praise was given for publishing useable, common sense research when he was capable of more chal-



Honored guest, the retiring Professor Wayne R. Kussow.



Wayne and Carol Kussow were guests of students, both former and current.

lenging, career profitable research. Tributes for teaching class material that is still relevant in today's world were mentioned. People shared stories of Dr. Kussow's help in landing internships, that difficult first job, and ultimately obtaining people's dream jobs. Professors lamented about him being on their tenure advisement committees. Students also remembered him for helping out in times of crisis, not always having to do with coursework or college careers. He was always there for everyone at anytime.

We were fortunate to have Dr. Jim Love present. This was fitting because he was the one who interested Dr. Kussow in first entering graduate school. Consequently Dr. Kussow ended up being Dr. Love's replacement twenty years ago. Dr. Love shared some history about the college and the politics and processes of appointing Dr. Kussow to the post, a decision that he influenced and ended up being very proud of.

All three of Dr. Kussow's sons were there to talk about fond memories of their childhoods as kids of the Turf Doc. We all discovered he might be the only turf care professional in the industry that actually does have a nice lawn! Good thing my wife wasn't around to hear that one.

The celebration continued with a photo taken of all in attendance, a great keepsake for Dr. Kussow to remember an evening of thanks and praise from years of lives that he has impacted. A wonderful dinner and drinks, along with plenty of "Wisconsinizing" concluded a memorable evening with friends and colleagues.

To an outsider, this would have appeared to be a celebration for an extremely well liked man who did an exceptional job spanning his entire career, which it was essentially. But upon closer examination, a common link repeated itself with



Carie and Aaron Goninen, Chad Grimm and George Magnin were happy to celebrate with Dr. Kussow.



Oscar Peterson, Watertown CC superintendent, organized the recognition dinner and served as MC. Josh Lepine constructed the ball rack to Oscar's right



Dr. Chris Williamson, Wayne's colleague, shared a few stories.



Mike Semler, like so many others, expressed gratitude to the Turf Doc.

quality products
timely service
expert advice



EXCLUSIVE DISTRIBUTORS OF


PROSPECT PLUS
PREMIUM FERTILIZER ADDITIVE

LI 700[®]


Signature
brand fertilizer

BLT[™]
BLACK LAYER TREATMENT

alleviate[™]
curative treatment
for localized dry spot
.....


VERDICON

Shawn Hilliard
cell (608) 516-4006
fax (608) 846-1115
toll free (800) 362-8049
shawn.hilliard@verdicon.com

N125 County Highway C • DeForest, WI 53532



The evening concluded with a class picture!

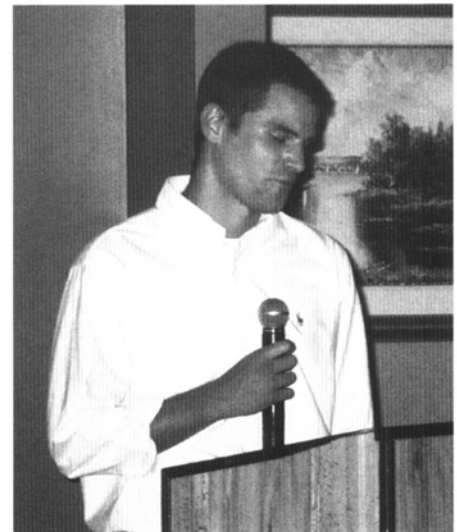
every story told and every comment shared. Dr. Kussow has the remarkable ability to make each and every student feel like a special individual. Everyone felt at one time or another that he/she received special considerations and extra time that they didn't necessarily expect or even deserve. They were thanking Dr. Kussow for something that isn't in any job description. They thanked him for taking that extra time and just for caring. Everyone was pleased to have this opportunity to finally say "thank-you" to the Turf Doc.

Dr. Kussow retired? We all know that he is still only a phone call away. No one really believes that he is ready to hang up his soil probe for good just yet. Just as he has always had the time and interest to help each of us, he will undoubtedly remain influential in our lives and careers. It is his time now to take some well-deserved vacations, maybe even during the summer months! Keep him alive in the industry; give him a phone call when you get that next job or just when you want to hear a familiar, encouraging voice.

For all that he has given, we are all better people because of his guidance. Thanks for being an outstanding friend, colleague, and the ultimate Turf Doc. 🌿



Dr. Kussow recognized the great impact Dr. Jim Love had on his career.




Doug Soldat made the long trip from Cornell University to Wisconsin to toast Wayne Kussow.

ARMOR

ACCESS BOXES™
FORMERLY AMETEK® ACCESS BOXES

Manufactured in
Sheboygan, Wisconsin

Specify ARMOR ACCESS BOXES™
– A Wisconsin Product!



Nothing Cuts Greens Like a Jake Mower

Create tournament-quality greens with these ultra-light mowers with free-floating, steerable cutting units and patented swing-out center reels. Our exclusive Turf Groomer® promotes healthy turf and is available on all models. We have the most complete line in the industry!

Greens King™ VI

18 hp Gas or 19 hp Diesel Triplex with a Legendary, 62" Jake® Cut

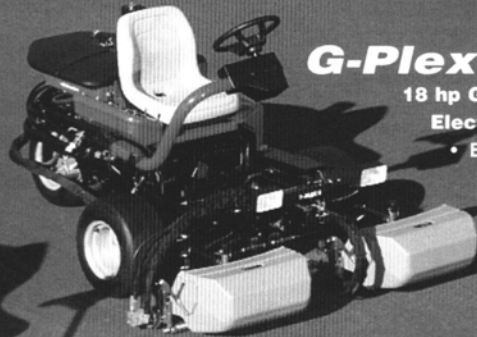
- Power steering and tilt wheel.
- Optional joystick to lift/lower reels.
- Patented FlashAttach™ quick-change reel system.



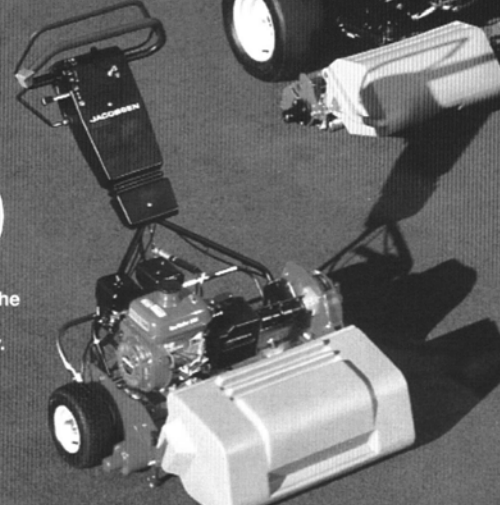
G-Plex™ and E-Plex™

18 hp Gas, 18.8 hp Diesel or Exclusive Electric Triplex with a 62" Jake Cut

- Easy, patented swing-out center reel.
- Auto-synchronized lift controls.
- ComfortPlus™ controls and steering arm.
- Whisper-quiet electric, with the highest clip rate.



All covered by the best warranty in the industry.



Greens King™ IV and IV Plus

16 or 18 hp Gas or 19 hp Diesel Triplex Greens Mowers with a Precision, 62" Jake Cut

- Legendary workhorses since 1968.
- Power steering on Greens King IV Plus.

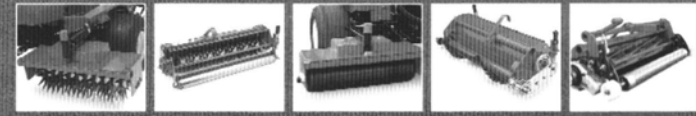
Walk-Behind Greens King™ 500A Series and PGM Mowers

Precise, Contour-Hugging, 18," 22" and 26" Wide Greens Mowers

- Precisely balanced, with true, straight-line tracking.
- Choose 18" to 26" reels to suit your application.
- Durable belt drive.

Optional Features:

Advanced Jacobsen Technology: 7-, 9- and 11-blade reels meet any turf-care need. Choose grooved or solid aluminum or steel rollers for a professional finish. Our patented Turf Groomer controls thatch and improves turf health while increasing greens speed, without lowering height of cut.



Optional spikers, vertical cutters, greens rollers, front/rear roller brushes and patented Turf Groomer.



HORST DISTRIBUTING, INC.
 444 N. Madison Street
 P.O. Box 110
 Chilton, WI 53014-0110
 Ph: 800-279-2341
 Fax: 920-849-9576

JACOBSEN
TEXTRON

Precision cut. Legendary performance.



WSGA Hall of Fame's Newest Members

By **Gene Haas**, Golf Writer and Retired WSGA Executive Director

It was a warm, mid-summer day in July 1964 at the beautiful Blackhawk Country Club, located on the bluffs of Shorewood Hills overlooking resplendent Lake Mendota, during the Wisconsin State Golf Association's State Amateur Championship that the WSGA Hall of Fame was born. The first five charter inductees were golfing legends: Edward P. "Ned" Allis and Lynford Lardner of Milwaukee CC, Billy Sixty, Sr. of Blue Mound G & CC, Wilford Wehrle of Racine CC, and Dick Cavanagh of Kenosha CC.

The original "ground rules" required an inductee to be a male amateur, at least 40 years old, and possessing a distinctive record of contribution to the game. Within six years the field of candidates ran dry, and every past president of the WSGA became a serious candidate for election. In fact, many of them were elected.

When James R. Love served as WSGA president in 1971 and '72, he suspended the WSGA Hall of Fame Committee for the next four years in fear that the Committee would be accused of cronyism in their selections. He then convinced the WSGA Board to revise the Committee, allowing for the election of all qualified candidates - male and female, professionals, public links representatives and individuals from all segments of the golfing fraternity.

In the spring of 1975, I received a call from Jim Love asking if I would be willing to serve on the expanded WSGA Hall of Fame Committee, which would include professionals, women members and representatives from the public links and the media. Being the current president of the Milwaukee County Public Links Association and a vice president of the Wisconsin Public Links Association, Love felt that I would be a logical member - and I readily accepted.

Since being appointed to the Committee, I have found it to be a wonderful educational experience. The opportunity to serve as the Committee's recording secretary for the past thirty years, examining the biographies of Wisconsin's greatest contributors to the game, has been equally informative and personally gratifying.

Yet, it has been a difficult task. After pre-studying the biographies, and then collectively discussing the candidate's qualifications, a vote is taken. To be elected a nominee must receive at least 75% yes votes of the twenty-one member Committee. This often becomes a difficult task. In 1987, '90 and '98, no candidates were elected. At the end of 2004, there were 69 elected members of the Hall of Fame.

A review of the members elected to the Hall of Fame

since 1964 reveals that there are eighteen professionals, thirteen women golfers, twenty-two amateur golfers, fifteen administrative contributors and one agronomist - the legendary O.J. Noer, who was elected in 1985.

When the Hall of Fame Committee met in May of 2005, it again reviewed and voted upon the list of carry-over candidates - none were elected.

In keeping with procedure, biographies of new candidates were then presented and voted upon. When those votes were tabulated, two candidates were elected - Gary Menzel and Monroe Miller - becoming the 70th and 71st members of the WSGA Hall of Fame.

Gary Menzel, 60, a retired Milwaukee policeman and a member of the WSGA Board of Directors, has been an outstanding golfer for more than thirty-five years. He was elected for his accomplishments as a competitive golfer. He placed second in the 1971 WSGA State Amateur at Milwaukee CC, and then became a professional golfer for



**Everything To Make Your
Course Beautiful**

**Turf Seed • Fertilizers • Repair Parts
Golf Course Accessories • Equipment**

LESCO[®]

800 - 321 - 5325

LESCO is a registered trademark and Grow With Us is a trademark of LESCO Technologies, LLC.

TURF PROS



Nobody knows turf like the folks at Olds Seed Company. Whether it's a tee box or fairway, rough or green, the experts at Olds evaluate your specific situation, make recommendations, and deliver exactly what you need to make your turf look its finest. (Which makes you look pretty fine, too.)

Choose from our wide selection of proven bentgrass performers, such as:

- Providence
- Penncross
- Pennlinks
- Penneagle
- Putter
- Dominant

And ask about our custom mixture programs formulated for your site and budget.

You'll never come up short at Olds. We contract with numerous research and production firms so we have access to the best varieties available. Give us a call today and we'll help you improve your turf score.



P.O. Box 7790 • 2901 Packers Ave.
Madison, WI 53707-7790

800-356-7333
608-249-9291

Seed you can count on

Plus a whole lot more

Mulches
Establisher

Low Maintenance
Care-free Fine Fescue

Erosion Control/Blankets
Futerra

Wildflowers/Grasses
For reclamation areas

the next twenty-five years. He only played sparingly, due to a growing family and a rigorous work schedule. He was reinstated as an amateur golfer in 1999 and has dazzled the amateur golf scene ever since.

In 2000, Menzel reached the finals of the USGA Senior Amateur championship and was a semi-finalist in 2001. He also made the 72-hole cut in the 2001 USGA Senior Open, playing against the best senior golfers in the world. Also in 2001, he won the prestigious WPLA Ray Fischer 72-hole title at the Janesville Riverside GC. He also has won five WSGA Senior Amateur and two WPGA Senior Open titles since becoming a senior golfer. Menzel has been the WSGA Senior Amateur Player of the Year five times and continues to excel in all Wisconsin major golf tournaments.

Monroe Miller, superintendent at Blackhawk CC since 1973, holds the distinction of becoming the first full-time superintendent elected to the WSGA Hall of Fame. Monroe was born in Madison in 1946. He grew up on a farm near Fennimore, Wisconsin and graduated from the University of Wisconsin - Madison with a degree in Soil Science and the turfgrass management option. He then served in Vietnam as a military policeman in 1969 - '70. After receiving his honorable discharge, he attended grad school and working briefly at Maple Bluff CC before accepting the position as head superintendent at Blackhawk CC in 1973.

Always an activist, Miller occupied all the officer positions with the Wisconsin Golf Course Superintendents Association, serving as president in 1984 and '85. In 1984, Miller took on the added responsibility as editor of the WGCSA magazine, *The Grass Roots*. This outstanding magazine became even greater under Miller's editorial direction. It has won twenty-one consecutive GCSAA awards and is considered the association's premier chapter magazine in the country.

Many groups have recognized Miller for his untiring devotion and contributions to the turfgrass industry. He has received the UW-Madison College of Agricultural and Life Sciences Honorary Recognition Award for his efforts in establishing the Wisconsin Turfgrass Association and the O.J. Noer Turfgrass Research Facility at the UW-Madison, and the WGCSA's Distinguished Service Award. Also in 2004, he received the coveted USGA Green Section's Award, arguably the highest award given an individual in the golf turf industry.

To many of his fellow superintendents, Monroe is the "voice of the minority." He has expressed his opinion on almost every major issue in the industry, "telling it like it is," often as an editorial comment in *The Grass Roots* — which is usually applauded by his peers. His election to the WSGA Hall of Fame opens the door for others in the turfgrass industry to be recognized and honored. Monroe Miller once again has set the standard as a leader. Now, who will be the next Hall of Famer? ♣



MTI Distributing proudly represents the finest products in the turf industry to Western Wisconsin.



Count on it.



Annoying Mound Building Ants in Turf: What Options are Available?

By Dr. R. Chris Williamson, Department of Entomology, University of Wisconsin-Madison

Ants can be tremendously annoying pests on golf courses, especially in high-profile areas such as putting greens, tees, and even fairways. Moreover, due to the increased use of sand-based putting greens and tees, empirical evidence suggests that ants are becoming a growing problem. This is not to say they are not also common in roughs as well as other sunny turf sites; however they are often less noticeable.

Worker ants excavate underground nest chambers, pushing up soil that creates "volcano-shaped" mounds (Shetlar 2003). [Figure 1] These mounds, typically 2 - 4 inches in diameter, not only disrupt the smoothness and uniformity of putting green surfaces, but they also smother patches of turf as well as dull mower blades (Lopez et al. 2000). As a result, golf course superintendents typically make surface applications of fast-acting (quick knockdown) conventional insecticides to eliminate this nuisance pest.

The Culprit

A relatively small ant commonly referred to by golf course superintendents as the "turfgrass ant" (not an officially recognized common name by the Entomological Society of America), *Lasius neoniger*, is native throughout the United States and Canada. This ant species is a social insect that lives in colonies that are comprised of thousands of sterile female workers, and typically only one reproductive queen. An individual ant nest is commonly comprised of multiple interconnected chambers approximately 10 - 15 inches deep. Each passage to the surface is capped with a mound. Depending

on the time of year (i.e., spring vs. summer), there can be a considerable variation in the number of ant mounds per nest, ranging between two and ten. Generally, the number of ant mounds steadily increases from early spring to late summer as the colony grows.

Previously conducted research has revealed that as food resources become more abundant in the spring, the queen steadily increases egg production. However, once this peak production occurs, the offspring from this brood develop relatively slowly,

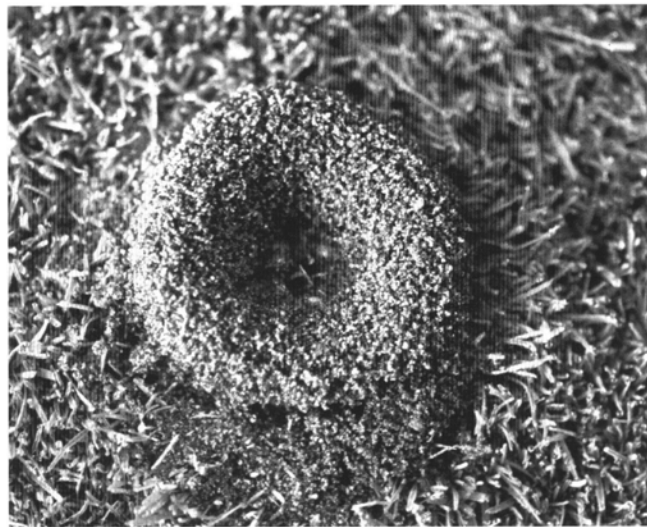


Figure 1: "Volcano-shaped" ant mound.



Figure 2: Winged reproductive (swarmer) ant.