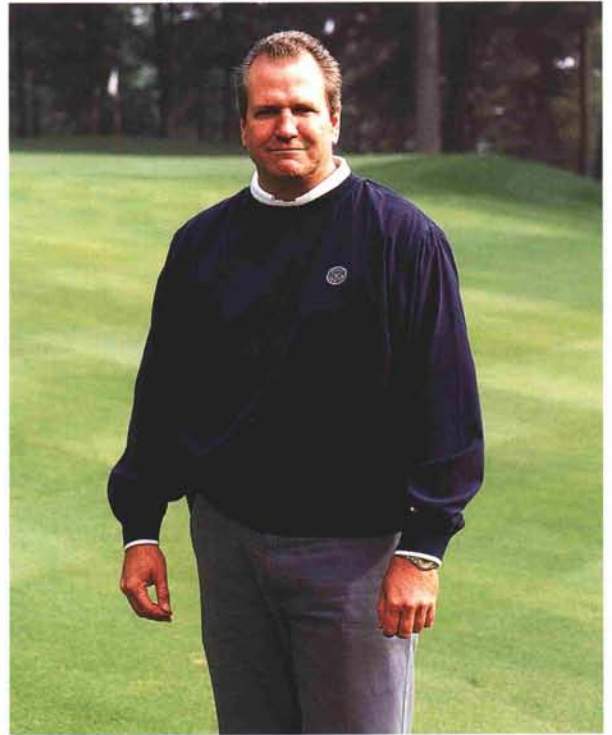


Thomas Lively -N-

Medinah Country Club



Thomas Lively, CGCS.

The Midwest Turf Clinic and MAGCS Annual Meeting is held each year at Medinah Country Club. Medinah's new greenkeeper, Thomas Lively, CGCS, is this year's host superintendent. Tom joined Medinah as grounds manager in March 2001 when Dan Quast retired after 12 years of service. Forty-two-year-old Tom presently resides in Homewood with his wife Judy and three children: Melissa, 13, Tom, 10, and John, 9. Tom's hobbies include golf and helping out with little-league baseball.

The Midwest Turf Clinic takes place November 7. Its theme this year is the 75th anniversary of the MAGCS, and given Medinah's rich history, the setting is particularly appropriate.

Tom began his career in the golf industry in 1972, working as a caddie at Idlewild Country Club. He then moved on to the grounds department, where he worked for Peter Voykin from 1975-1980. In the fall of 1980, Tom enrolled in the turf program at Michigan State University. From 1980 to 1986, Tom worked as first assistant superintendent under Oscar Miles at Butler National, then host site for the Western Open each year. Tom became superintendent at Ridge Country Club in 1986; from 1988-2001 he held the superintendent's position at Ruth Lake Country Club. Tom earned certification in 1992.

Tom says his greatest reward is the opportunity to work outside everyday. His biggest challenge at Medinah? Managing the 68 employees and directing them towards a common goal. Tom was emphatic about mentioning the four superintendents who report to the grounds manager: Brian Kimbrough on Course No. 1, Mark Kosbab on Course No. 2, and Mike Imgrund and Reynaldo Tijerina on Course No. 3.

(continued on page 12)

These four men are in charge of the day-to-day activities and duties on their respective courses.

Medinah's No. 3 Course, which is rated among America's best classical courses, is a 1928 design by Tom Bendelow that has been renovated several times, including work by Roger Packard in 1986 and Roger Rulewich in 1996. This venue has hosted the U.S. Open in 1949, 1975 and 1990. It hosted the PGA Championship in 1999 and is scheduled for the 2006 PGA Championship and 2011 Ryder Cup.

Prior to the next Major, Medinah is scheduled to undergo a \$3.5 million restoration, mapped out by architect Rees Jones. Course No. 3 will close in July 2002 and is scheduled to reopen in June 2003. The restoration plan includes the rebuilding of seven greens by September of

2002, rebuilding of 12 tee complexes, and rebuilding and deepening 64 bunkers while repositioning some. In addition to Jones' design work, the plan also includes a new irrigation system, major seawall and drainage work, and replacement of all the cart paths. The length of this par-72 layout, which measures 7,401 yards, will not change. A major restoration highlight is the slated movement of the green on par-3 no. 17. This putting surface was controversial during the 1990 U.S. Open because of its severe slope and location right over a steel bulkhead on the water's edge. In 1996, architect Rulewich moved the green 30 yards inland and up the hill. Rees Jones' plan calls for movement of the green back down to the water and to the right.

This fall, Arborcom is going to conduct an extensive study of the shade problems that exist on many of the greens on Course No. 3. Upon completion of this study, a decision concerning removals will be made. If enough sunlight can reach the 11 greens not being rebuilt, they may be regrassed during the renovation period. Other long-range plans include a new maintenance facility, all-new bunkers and new irrigation on Courses No. 1 and 2.

The Midwest Turf Clinic takes place November 7. Its theme this year is the 75th anniversary of the MAGCS, and given Medinah's rich history, the setting is particularly appropriate. Thanks to Tom for continuing a great tradition of linking Medinah and the MAGCS Annual Meeting.



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The Nineties:

Golf's Boom Parallels America's Prosperity

The beginning of the '90s was difficult for many. In the midst of a recession and a severe slump in the real estate market, individuals find their houses worth less than they paid for them just a few years earlier. Sinéad O'Connor holds the #1 spot on the music charts with "Nothing Compares 2 U." The number-one grossing movie for the year is Home Alone.



Gen. Norman Schwarzkopf, commander of the allied forces in Operation Desert Storm.

"Five months ago, Saddam Hussein started this cruel war against Kuwait. Tonight the battle has been joined. Our goal is not the conquest of Iraq, it is the liberation of Kuwait," notes President George Bush on the eve of the Gulf War, January 16, 1991. After 100 hours of the Gulf War, the coalition has achieved its missions: the liberation of Kuwait and the destruction of Iraqi forces. George H.W. Bush reaches record approval ratings at the conclusion of the Gulf War conflict.

"Politically correct" and "sexual harassment" are two phrases that gain momentum in the '90s. Arkansas Governor Bill Clinton and Tennessee's Senator Albert Gore, Jr., win the presidential election in November 1992. During Clinton's time in office, the U.S. enjoys more peace and economic well-being than at any other time in our history. Clinton is the first Democratic president since Franklin D. Roosevelt to win a second term. He is able to point to the lowest unemployment rate in modern times, the lowest inflation in 30 years, the highest home ownership rate in the country's history and reduced welfare rolls.



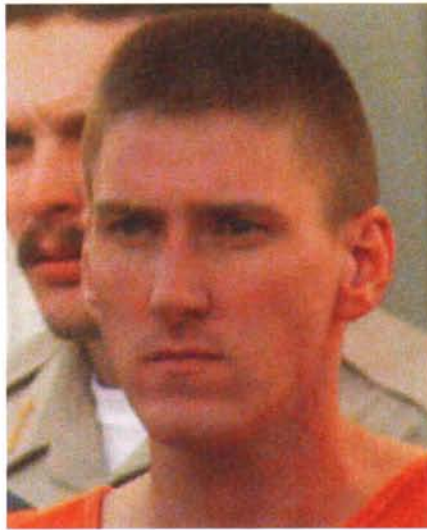
In 1993, the Midwest experiences record floods.

In 1998, as a result of issues surrounding personal indiscretions with a young female White House intern, Clinton becomes the second U.S. president to be impeached by the House of Representatives. He is tried by the Senate and found not guilty of the charges brought against him. He apologizes to the nation for his actions and continues to have unprecedented popular approval ratings for his job as president.

On Friday, February 26, 1993, on the second anniversary of the end of the Gulf War, a massive explosion occurs in the underground public parking garage of One World Trade Center in New

York City, creating a 22-foot-wide, five-story-deep crater. As a result of the explosion, six people die and more than 1,000 are injured. The site of the blast becomes the largest crime scene in NYPD history. Estimates show damage in excess of half a billion dollars. The towers are cleaned, repaired and reopened in less than one month. Four individuals are apprehended for the attack and go on trial September 13, 1993. Ramzi Ahmed Yousef is arrested in Pakistan and returned to the United States by the FBI for trial on bombing charges. The World Trade Center bombing is known as the gravest act of terrorism to occur on American soil.

On April 19, 1995, at 9:03 a.m., just after parents dropped their children off at day-care at the Murrah Federal Building in downtown Oklahoma City, a massive bomb inside a rental truck explodes, blowing off half of the



Timothy McVeigh.

nine-story building. Ninety minutes after the explosion, an Oklahoma Highway Patrol officer pulls over 27-year-old Timothy McVeigh for driving without a license plate. Shortly before McVeigh is to be released, he is recognized as a bombing suspect and charged with the bombing.

(continued on page 16)

Arkansas Governor Bill Clinton and Tennessee's Senator Albert Gore, Jr., win the presidential election in November 1992. During Clinton's time in office, the U.S. enjoys more peace and economic well-being than at any other time in our history. Clinton is the first Democratic president since Franklin D. Roosevelt to win a second term.

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When McVeigh's ex-Army buddy, Terry Nichols, discovers that he too is wanted for questioning, he voluntarily surrenders to police in Herington, Kansas and is later charged with the bombing.

Just weeks before the 1996 Summer Olympics are to begin in Atlanta, Georgia, national jubilation turns to sorrow: on July 17, 1996 at 8:31 p.m. EST, TWA Flight 800 explodes in the evening sky off Long Island and plunges into the Atlantic Ocean, killing all 230 people aboard. Extensive investigations reveal a fault in the fuel system, which caused the plane to explode.

A year later, on July 1, 1997, Great Britain's 99-year lease on the New Territory of Hong Kong ends, returning control to China.

During the 1990-91 season, the Bulls set a regulation team scoring record of 155 points against Phoenix. Michael Jordan is voted the league's most valuable player for the second time and reaches the 15,000-point plateau. The Bulls beat Los Angeles handily in five games and win the first NBA Championship in the Bulls' 25-year history.

Hong Kong is a strategic trading and business port torn between two worlds, that of the Chinese and that of a reigning British empire. Overthrown for a brief period during World War II by the Japanese, British troops retook the island when the Japanese surrendered in 1945. Today Hong Kong is a member of the World Trade Organization and continues to operate as a key player in world commerce under China's rule.

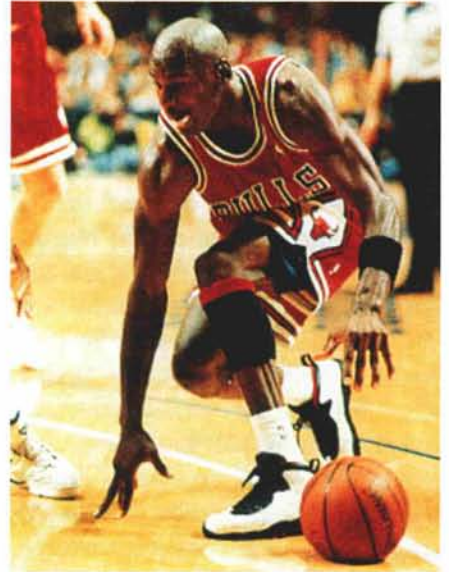
In May 1998, the whole world is astounded. Two archenemies have just begun a new race. Welcome to the race for development of nuclear weapons between India and Pakistan. The United States imposes strict economic sanctions against both countries.

Finally, we lost some famous icons in the '90s: Jacqueline Kennedy Onassis, Richard Nixon, Princess Diana, Mother Theresa, John F. Kennedy, Jr.

Sports Reach New Heights

Phil Jackson replaces Doug Collins as head coach of the Chicago Bulls for the 1989-90 season. Beginning that November, the Bulls win a record 15 consecutive home games. The team also assembles an eight-game road-winning streak. During the 1990-91 season, the Bulls set a regulation team scoring record of 155 points against Phoenix. Michael Jordan is voted the league's most valuable player for the second time and reaches the 15,000-point plateau. The Bulls beat Los Angeles handily in five games and win the first NBA Championship in the Bulls' 25-year history. In 1991-1992, the Bulls face Portland in a difficult match-up. The Bulls rally from a 15-point fourth-quarter deficit for the biggest fourth-quarter comeback in finals history. The Bulls become only the fourth NBA franchise to win back-to-back titles.

In the summer of 1992, both Jordan and Scottie Pippen play on the United States Dream Team, which wins a gold medal in the Summer Olympic Games in Barcelona, Spain. In 1992-93, for the second consecutive year, Chicago never loses more than two games in a row. In game seven of the championship, Chicago's John Paxson hits a dramatic three-pointer with 3.9 seconds remaining to give the Bulls a 99-98 victory over



Michael Jordan.

Phoenix and their third straight NBA title.

In 1993, Jordan announces his retirement at age 30, but during the 1994-95 season, he returns to the game. Jordan, who had been toiling without much success as a minor league baseball player attempting to make the majors, realizes that he misses basketball. Horace Grant, who had left the Bulls in the off-season, comes back to haunt the Bulls in their semifinals loss to the Orlando Magic in game six.

In 1995-96, the Bulls beat the Sonics in game six to win their fourth NBA title. In 1996-97, the Bulls beat the Utah Jazz in the final minute of game five, 90-88, to win

their fifth NBA title. In 1997-98, game 6 back in Salt Lake is one of Jordan's finest performances ever. With Pippen severely limited by back pain, it is on Jordan's shoulders to deliver another title. With the Bulls trailing by one in the final minute, Jordan steals the ball from Malone and buries the series-winning jumper with 5.2 seconds remaining. Chicago beats Utah 87-86 for the Bulls' sixth NBA championship. Following that season, coach Phil Jackson announces that he will not return.

For the 1998-99 season, the rebuilding begins. Jackson, Jordan, Pippen, Longly, Kerr, Rodman and Buechler are gone, leaving Chicago with the memories of the greatest series in basketball history.

Of course, great golfers abound in the 1990s, too. One who stands out among all others is Eldrick (Tiger) Woods. Woods



A major earthquake jolts Los Angeles in 1994.

plays his first professional tournament as an amateur in the 1992 Los Angeles Open. Following his third U.S. Amateur victory, Tiger Woods turns professional on August 27, 1996. He plays his first Major championship in 1995, making the 36-hole cut in the Masters and the British Open; an injured wrist forces his withdrawal

from that year's U.S. Open. Tiger Woods becomes the youngest individual to win the Masters in 1997 at 21 years, three months and 14 days. In his third full season as a professional, 1999, Woods wins eight times on the PGA Tour, including the PGA Championship at Medinah, and

(continued on page 18)

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earns \$6,616,585. Tiger concludes the decade ranked as the #1 golfer in the world.


On October 25, 1999, a Lear jet carrying champion golfer Payne Stewart and five others, including golf course architect Bruce Borland, flies a ghostly journey halfway across the country, its windows iced over and its occupants apparently incapacitated, before nose-diving into a grassy field in South Dakota.

Golf Maintenance in the Nineties

The '90s is a period of fine-tuning for golf courses. Golf course equipment becomes more refined, allowing the superintendent to manage turf at a new level. Green speed that was good in the early part of the decade is now considered slow by many standards. The green roller makes a resurgence in the early '90s, and by the end of the






Tiger Woods.



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decade you are hard-pressed to find a maintenance facility that does not have one. Many superintendents are spraying growth regulators on greens to increase speed.

The Toro Hydroject aerifier emerges as a tool that can aid the superintendent during stressful periods and is minimally invasive to the turf surface. In June 1990, Tony Rzadzki, assistant superintendent at Cantigny, writes, "The design engineers at Toro finally constructed a machine that I feel will revolutionize one phase of golf course work; aerification. The Toro Hydroject is just the machine to accomplish this task."

Black Layer is a major concern to those growing in and maintaining USGA greens. For the 1997 U.S. Open at Congressional, Paul Latshaw walk-mows fairways to avoid laying the rough down with conventional fairway mowers. Not to be outdone, Winged Foot Golf Club double-cuts their fairways with walk-mowers for the PGA Championship in August. The move to hand-mow fairways raises questions and eyebrows in the golfing world, especially among superintendents.

Golf and the Environment

1991 marks the year when the United States Golf Association, in cooperation with the New York Audubon Society, creates a certification program for golf courses. Realizing that all green spaces are important, the two entities unite to work with more than 7,000 USGA member clubs around the country. In 1993, St. Charles Country Club, under the direction of superintendent Peter Leuzinger, becomes the first course in the continental United States to fulfill all of the criteria for full certification under the Audubon Cooperative Sanctuary Program. To reach certification, a course must demonstrate that it is main-

taining a high degree of environmental quality in a number of areas. These categories include: wildlife planning, public involvement, integrated pest management, wildlife food enhancement, wildlife cover enhancement, water conservation and water enhancement. Naturalized prairie areas become popular and many golf courses look for unobtrusive ways to fit them into their out-of-play areas to provide wildlife enrichment and aesthetically balance the course.



Peter Leuzinger.

Ornamental grasses find their way onto golf courses that are looking for ways to improve areas without having to plant costly shrubs or flowers. Congress passes the "Right to Know Act" in 1990, which requires employers to provide information regarding hazardous substances to employees. The inaugural Cutter Cup Challenge is held in 1993, pitting the turf classes of Penn State against Michigan State. Penn State wins the first year 2½ to 1½. Also in 1993, rinse and spill containment systems become mandatory on golf courses. Two main requirements of the act are (1) notification of pesticide use on golf courses, and (2) a wash water/rinsate containment

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area to be utilized for the capture of pesticide spills or residues from application.

In May 1994, the *Wall Street Journal* prints an article citing information from studies based in New York suggesting that golf courses are irresponsibly using pesticides merely to make golf courses green and pretty. On September 1, 1994, Paul Harvey blasts golf courses publicly on his noon program for being detrimental to the environment in their maintenance practices. He states that golf courses are killing wildlife in their quest to keep grass green. He infers that due to heavy pressure from golfers to keep everything green, superintendents are over-applying chemicals, which in turn are killing off birds and other wildlife. Water quality and contamination are issues surfacing with the public in regard to agricultural practices. Underground storage tanks come under close scrutiny and become large liability issues at many golf courses. All underground stor-

(continued on page 20)

age tanks must meet EPA approval by 1998.

Barricade and Dimension come on the market as new pre-emergent products for the control of crabgrass. Dimension offers both pre- and post-emergent properties that give greater flexibility for the application window. Drive 75 DF is introduced as a post-emergent annual grass herbicide controlling crabgrass and other nuisance weeds. Moss continues to be a major problem on greens. Dr. Norm Hummel at Cornell University performs an extensive study to research various controls for moss on putting greens. Later in the decade, Frank Rossi embarks on a quest for the eradication of moss and comes up with a few different approaches than Norm Hummel did in the early '90s. Dr. Hummel is also instrumental in the updated guidelines for USGA green specifications.

New bentgrasses are developed. The superintendent is given many options to choose from regarding drought, disease and stress tolerance, coupled with the ability to mow at very low cutting heights. Pennlinks, Putter, Cobra, Crenshaw, Cato, Southshore, L-93 as well as the A- and G-series are options.

Water quality and contamination are issues surfacing with the public in regard to agricultural practices. Underground storage tanks come under close scrutiny and become large liability issues at many golf courses.

Joseph Duich, the educator and mentor to many Chicago-area superintendents, retires after a long and prestigious career at Penn State. 1994 is the year that Jim Latham, agronomist and friend to many throughout the Chicago area, retires. The Green Section reorganizes its territory and Illinois and Iowa become part of the Mid-Continent Region. Paul Vermeulen is shifted from his office in California to assume Latham's spot as the new director of the Mid-Continent Region. We lose Dr. Bill Daniel in February 1995. Dr. Daniel, an inspiration and motivating force in the lives of turf managers throughout the Midwest, had been on staff at Purdue for 35 years. Dr. Bruce Branham leaves Michigan State University in August of 1995 to join the turf team at the University of Illinois.

Wynstone Golf Club becomes the first course in the country to go spikeless. 1997 marks the year that the Illinois PGA makes spikeless shoes mandatory for all of its events. Spikeless alternatives for golf shoes are mandatory at almost all golf clubs by the end of the decade. Green conditions dramatically improve, especially at courses that suffer from heavy play.

The Food Quality Protection Act is passed in 1996 and creates a political web for turf managers to negotiate. Image and professionalism become the focus of a GCSAA campaign called the Professional Development Initiative. Gray leaf spot makes the scene, ravaging ryegrass on many Midwestern golf courses. The only control is heavy preventative chemical applications or regrassing to other turf varieties. Prior to 1998, gray leaf spot outbreaks were mainly concentrated in the Mid-Atlantic region with only a few isolated cases documented in central Illinois. Now it has become a serious threat to all courses growing perennial ryegrass.

GCSAA membership reaches new levels, topping 20,000 in 1999.

The Bull Sheet Becomes On Course

The Bull Sheet, the MAGCS newsletter, originated in 1948 as a single mimeograph page. The picture of the bull was eventually dropped and replaced by a graphic of a man changing a cup. This is because changing cups is the only duty among all that superintendents do that is totally unique from any other job in the world.

A survey in 1991 suggests that the name of the Association's newsletter should change. However, the prevailing sentiment is to maintain the newsletter as *the Bull Sheet*. Another survey is sent out in 1995. This time, changing the name is a go. Five finalists are selected from more than 100 suggestions from the membership. The Board of Directors and the Editorial Committee are in agreement with the top choice. The winning name, *On Course*, comes from none other than Bob Williams, who also suggested the original name.

The cover of the new magazine is to feature a full-color photo of the club that is hosting that month's meeting. December 1995 is the last issue of *the Bull Sheet*. In January 1996, the MAGCS unveils a dramatic new look for their monthly publication put together by Fred Opperman and his editorial staff. The magazine-style newsletter is now called *On Course*. In addition to the full-color cover, color photos are scattered throughout the publication. *The Bull Sheet* was not completely eliminated; it became a monthly column, formerly known as Midwest Breezes. The cover of that inaugural issue of *On Course* is a color photo of Bob Williams.