

Golf Course Superintendents Association OF NEW ENGLAND, INC.

Sponsors and administrators of the Lawrence S. Dickinson Scholarship Fund — Awarded yearly to deserving Turf Management Students.



EXCHANGE OF FRIENDSHIP SHIELD

A Friendship Shield from the GCSA of New England to the Scottish Golf Greenkeepers Association was presented at the Annual Fine Turf Conference, at the Highpoint Motor Inn, recently by Anthony Caranci, president, to John K. Campbell, links supervisor at St. Andrews, Scotland.

Campbell Presents GCSA of New England Old Relic

Shown left to right: Anthony Caranci, President of the GCSA of New England accepting from John K. Campbell, links supervisor of St. Andrews, one of Tom Morris' old handmade clubs which dates back well over one hundred years. John Spodnik, president of GCSA of America is shown admiring old Tom's relic.



FRIENDS FOREVER MORE

This is fast becoming the wide world of golf course superintendents. It obviously takes no great mind to vision days ahead when airborne vehicles shall be busy establishing shuttling service between countries and continents. We might even go island hopping for our monthly New England Association meetings. It is, indeed, a small world.

With this evidence before us, it is only natural that golf course superintendents get together in a display of mutual respect and recognition. This is how the Friendship Shield came about.

The Shield is just that, an official-lettered championship-carved wooden headstone which has been presented to the Scottish Greenskeepers Association from the Golf Course Superintendents Association of New England. It shall wing its way back to safe keeping with John Campbell, links supervisor at St. Andrews.

The act of friendship wasn't just one-way. In return Campbell gave to the New England boys a very famous piece

of golf history. It is an original club head, made by the equally revered Tom Morris and is over one hundred years old.

Leon St. Pierre, our man of a thousand and one ideas, lit the lamp under this one. Leon proposed the exchange of gifts and it grew into this particular condition which will make the moment a treasure for both sides of the profession.

The club head shall be mounted on a shield and plans are to enter it in a golfing competition of the New England group. Tournament chairman Wayne Ripley is in discussion with several members as to what particular event will set aside this Friendship Shield for its champion. There is some thought that it might be presented for one-year's display to the individual titlist of the association.

In turn, the Scots shall contest for their shield in some form of tournament. Thus, the two worlds of the U. S. and Scottish supers are brought closer together. The idea was super, Leon.
— Gerry Finn

Golf Course Superintendents Association

COLONIZATION OF CHICOPEE

For a moment there — in the hush of an enchanted audience at Chicopee's Highpoint Motor Inn — you would have thought the British had recaptured their once-prized Massachusetts Bay Colony.

The occasion was the Fine Turf Conference. The commander of the one-man British army was a baldish bloke with a message from that patron saint of golf — St. Andrews. John Campbell, the links supervisor there, certainly had shaken hands with expectation. His was a captive audience, made so by his charm, knowledge and warm presentation of both.

Campbell must be held responsible for the trying times of conference director Joe Troll. "We had a hectic session", Joe smiled when the last visitor climbed into his sedan and whisked down the long driveway at the Highpoint. "It was wonderful, every moment of it. The crowd was the largest in history . . . 735. Our program must have appealed to all in the field."

That program sure did. However, much of the blame for the outpouring has to focus on the appearance of Campbell. His position as the ruler of golf's holy land — St. Andrew's, was the first bit of lure the conference had. And he followed it up by turning out to be the magnanimous personality one would expect for such a magnanimous job.

This was John's first trip to the United States. "I must say even the thought of coming over here was thrill enough", he commented. "But when I arrived and joined in on your speedy pace, it was only the smallest inkling of how enjoyable my stay would be. I can't say enough about my feelings for the way I was received. You people must be congratulated. By the time I leave, I'll probably feel like a native."

Campbell, who admits to touching 50 years on the birthday timetable, has been the links supervisor at St. Andrews for the past nine years. His title is special. He is the only turf manager in Scotland to wear it. This fact separates him from the crowd. In addition, he is a man who knows his profession. He can sit down and recite the whereabouts of every blade of grass on each of the four courses at St. Andrews over which he has charge.

The technical aspects of his assignment at St. Andrews are too numerous to probe in so short a piece as this. All that can be said in that respect is Campbell has been around the block. He uses all phases of conditioning to make things shine at golf's international shrine. "Maybe some of the old methods might shock modern addicts", he declared. "However, I am a firm believer in the sound method. If it looks a little outdated, I still use it. But to each his own. I am not infallible."

Campbell used the Fine Turf Conference as the runway for a brisk 12-day leave from the supervision of a 30-man staff at St. Andrews. From Chicopee he motored to Montreal for the Canadian conference and then was due to whisk back to Boston for MGA Day.

"This pace is amazing", he added as he headed for some Canadian capers. "The trip has been such a pleasure for me. I am one of those people who love to learn. Every new person I meet is an addition to my quest for knowledge. I'm so grateful you people wanted me here."

There could be chapter after chapter written about Campbell. He is a book in himself. A five-year prisoner of war . . . nationally-known cartoonist for a British magazine . . . efficient golfer of eight-stroke handicap . . . beaming family man with a son who could become an outstanding player. You get the idea. In a word, we are ever so grateful he decided to colonize us again . . . even if it was for so short a time.

— Gerry Finn

LIFE MEMBERSHIP

Ed Phinney, superintendent at the Acoaxet Club, Westport Harbor, Mass. has been notified by the Board of Governors of his club that he and his family were elected to a life family membership at the club. Congratulations to Ed. Ed was one of the eight who attended the first winter school at U. of Mass. in 1927.

Below is a picture of the first Winter School.



(Back row, l to r: Ed Phinney, Roy Elder, Charles Gale, John Clinton, William Hannigan. Front row, l to r: James Farmer, Molly Heald, John Mahan and Arthur Anderson. To our knowledge only Phinney and Anderson are still living.

SPRING — A TIME TO ASSESS DRAINAGE

By A. Robert Mazur, Agronomist
USGA Green Section, Eastern Region

As spring approaches, the thoughts of every superintendent turn toward the grooming of his course.

The normal situation in the Northeast during the spring is the presence of plethoric amounts of moisture from rain as well as melting snows. This situation not only slows the soil warming process, thus delaying the growth of the grass, but also prohibits normal maintenance operations. Wet soils foot-print, rut and bog down equipment. This is the *visible damage*. The compaction or *invisible damage* that results has a far more detrimental and lasting effect on the turf.

In addition, we are aware of the fact that poorly drained soil promotes shallow-rooted plants, increases the incidence of disease and attributes to "scald-out" during the summer. The result is a turf that just won't stand up under stress!

Drainage can be improved by (1) increasing the surface drainage, (2) installing tile drains or slit trenches, or (3) by modifying the physical conditions of the soil.

(1) Grass waterways and open drains are particularly effective in controlling the "runoff" or excess amounts of surface water.

(2) Tile drains can be used to intercept and eliminate problems involved with seepage or underground water. It is also often used to improve the natural line of drainage, particularly on heavy soils.

Slit trenches are made of materials that conduct water faster than surrounding soil to a lower strata in the soil profile. The importance of this type of drain is the economy and ease of installation.

(3) Modifying existing soil to correct poor soil structure and eliminate any impervious soil layers is costly and time consuming. For this reason this is only possible on limited areas of the course, such as greens and in some cases tees.

There is no better time to assess your drainage problems than in the spring when they are most evident.

Golf Course Superintendents Association

NEXT MEETING

The next meeting will be April 7, 1969, at the Holiday Inn, Grove Street, Newton, Mass.

Directors' Meeting	10:30 a. m.
Regular Meeting	11:15 p. m.
Dinner	12:15 p. m.
Educational Program	1:15 p. m.

Ted Murphy has promised an exciting program this month. Dr. Paul Sortoretto, President of the Cleary Co. will be here to talk on, what else! "Disease Control." Also, Spencer Thompson of the Monsanto Company will talk about AstroTurf and its relations to the golf course.

New application to be voted on at the next meeting:

John Kelleher
Wellesley C. C.
Wellesley, Mass.

WHY NOT ST. ANDREWS?

Did someone say, "let's pitch the national convention tent in Hawaii for the 1971 winterfest?"

What are we . . . "The pineapple growers association of America?"

Not to put the slam-bang on Hawaii, but it does seem rather absurd to talk of incongruous, faraway places when we have a natural setting for future gathering of the national group. The call has come from golf's holy land — tradition-packed St. Andrews. It is only in the stage of a strong possibility, but certainly something to think about.

During his charged-up stay at the recent Fine Turf Conference, St. Andrews links supervisor, John Campbell, appeared highly thrilled by the idea of the GCSAA visiting his stomping grounds for its highlight of the season.

Campbell could make no commitments but bubbled with enthusiasm over the wee possibility of such an undertaking. "There certainly could be worked out some organizational plan", he told. "Housing would be one problem to be wrestled with. However, we could set up a central station at one of the larger cities in Scotland and operate from there. In that way your members could have an opportunity to visit some of our other famous courses."

The New England Association, always on the move in an attempt to promote worthwhile ventures, stands behind the proposal and throws it out to the national in that form.

President Tony Caranci expressed the same enthusiasm Campbell displayed when the suggestion was made. "We have an opportunity to really make our convention an artistic success with this attempt to set up the St. Andrews trip", Caranci offered. "I'm sure the national can appreciate the magnitude of such a possibility. We are 100 percent behind it. We wonder what the other sections think about it. Maybe we should ask the national to poll them. At any rate, it shouldn't die in the conversational stages. The national shouldn't let it die."

— Gerry Finn



GCSA OF LONG ISLAND PRESENT

The Golf Course Superintendents Association of Long Island presented to Dr. Joseph Troll a check for \$600.00 to the Lawrence S. Dickinson Scholarship Fund. Shown left to right: Dr. Joseph Troll, associate professor of UMass Fine Turf Department giving check to Philip Cassidy, chairman of the Scholarship Fund. Joseph Moisa, president of the Long Island Association was not present for the picture.



KEEP THE BALL ROLLING

That ship-to-shore grin Phil Cassidy is wearing these days was plastered on his features by a couple of healthy booster shots to the Lawrence S. Dickinson Scholarship Fund.

Phil, who heads this favorite project of the New England Association, suddenly realizes that the thing is catching fire. "We are putting all our guns to use this year", he burst. "There is no better way to make our time and money do the job than to prepare the road for those who will follow us in turf management."

That brief endorsement of the fund followed a lump donation of six hundred dollars by the Long Island Association of Golf Course Superintendents. Making the presentation was that group's president, Joseph Moisa who noted that Long Island supers hoped to make it an annual affair . . . and maybe push for an increase in the size of the grant.

"We have many Massachusetts men working on the Island", Moisa said. "We are very much interested in the Turf Management School at the University of Mass. So, what better way could we express this interest? I only hope we can continue to build the pot, so to speak."

Following that bundle of a stake in the future for some worthy student at UMass, the fund received another lift. This came in the form of a \$500 gift from golf course architect Geoffrey S. Cornish. He, too, is very much caught up in the future of the profession.

The combination of these two wonderful investments in the turf world's better tomorrows was only the beginning . . . or what Cassidy would hope to be the launching of a wholesale response to the fund.

The Long Island act served as the first superintendents' group, outside of New England, to contribute to the fund. "We raised the money during our Christmas raffle", Moisa revealed. "Maybe it's a little late for a Christmas gift to the fund, but I'm sure you'll forgive our lack of timing. We hope to make a habit of it. I would like to see it grow and grow until you can afford to sponsor a fairway full of students."

— Gerry Finn

Vesper CC, No. 12 Fairway, March 14, 1969. Snow removal operations have become a yearly maintenance practice at Vesper with commendable results.

Golf Course Superintendents Association

M.G.A. DAY AT THE HARVARD CLUB

It seems that this will be the year of great numbers. There was record attendance at the G.C.S.A.A. Turf Conference in Miami, (over 3,500) and a new record was set at the Fine Turf Conference in Chicopee, (735) and now this year at the Harvard Club there were 390 club officials, managers, pros, and superintendents in attendance. The Greens Program was the best ever! Not only that, but the room was filled with eager listeners. Gerry Howes, MGA Green Section Chairman was the Moderator and did an expert job leading the way for the topic: "Poa Annuua Problems on New England Golf Courses." Alexander M. Radko, National Director of the USGA Green Section was the first speaker, followed by Leon V. St. Pierre, Superintendent at the Longmeadow Country Club, who gave a talk and showed slides of his progress with the eradication of Poa. The final speaker was Dr. Kenneth McEwen, Green Chairman, Longmeadow Country Club. Dr. McEwen told of the problems with the board and the members concerning the inconvenience of the playing conditions when Leon started this five year program. At the conclusion he said that the members are happy with the results and they are pleased that this program was launched.



L to r — Leon V. St. Pierre, Alexander M. Radko, Dr. Kenneth McEwen and Gerald Howes

Robert Trent Jones was the guest speaker and he showed slides of interesting holes from all over the world. Jones also told of golf in the early days when feathers were rolled together to make the first ball. He has designed over 300 courses in the world.



L to r — Robert Trent Jones, Henry F. Wischusen, President, MGA and John K. Campbell, Supervisor of Links at St. Andrews, Scotland

HOLE POSITIONS

By JOHN CAMPBELL
Links Supervisor, St. Andrews

Many golf courses as a rule have an area on each of their greens where the hole is usually placed whenever the club has a medal competition. These positions being chosen because they make the holes interesting by bringing into play any bunkers or other hazards, natural or artificial surrounding the green.

Moving the holes to the medal positions on the morning of the competition is generally left to the discretion of the greenkeeper who has to take into account the condition of the turf — worn patches on the green or any unusual accumulation of casual water which would necessitate the hole being placed elsewhere. But under ordinary circumstances the normal spots would be used. In this connection it is helpful if the greenkeeper is a golfer, or at least has a reasonable understanding of the game.

Having such vast and undulating greens on the Old Course here at St. Andrews, it is important to have a method of finding the traditional positions for the medal holes and detailed instructions are given to assist the greenkeeper to locate these places.

Wherever possible crossbearings on natural objects have been given and the intersection of these lines give the centre of a circle some two yards in diameter within which the medal hole is located.

These have been supplemented by measurements from fixed objects on or near the green (hydrants, edges of bunkers, etc.)

For example the following directions are given for locating the position of the 11th hole — at the intersection of the following bearings:

- (a) Town Church spire to Dundee Law.
- (b) Shelter on the Eden Course near 8th tee to centre of small bunker at back of 7th green.

The hole to be at least 25 feet from nearest edge of Strath bunker.

The experienced greenkeeper who regularly cuts the holes tries to preserve the medal positions for these special occasions by moving them frequently over as wide an area of the putting surface as possible, which will help to spread the wear and tear and add a wide variety of interest for the everyday golfer.

For important golf events such as the British Open Championship which lasts for several days, the pin positions on all the greens for each day are carefully considered before the event takes place, and, during the course of the Championship the holes are cut as pre-arranged within the area of the traditional medal positions.

It has become the practice to paint the inside of the hole cups white to make them stand out better and catch the player's eye while putting. Most of the important golf tournaments are now televised and it is also an aid to the cameraman mounted high on his tower, the hole is easier picked out by the zoom lens of the camera and allows T.V. viewers to follow the game more closely.

Not all courses are of championship standard, neither are golfers, and this is all the more reason why the vast majority of greenkeepers should interest their Conveners in the siting of the holes for medal occasions. It is worthwhile to decide the two yard area within which each hole will be placed, taking into account the hazards of the average player getting down in a couple of putts. Siting of holes in impossible positions should be discounted.



New Hampshire Golf Course Superintendents Association, Inc.

Editor — John J. Barry, Supt. Abenaki Country Club, Rye, N. H.

Next Meeting

The next meeting will be held on Tuesday, April 15 at the Concord Highway Hotel in Concord, New Hampshire. The format will be as follows:

- 9:30 A. M. Board of Directors Meeting
- 10:00 A. M. Coffee Hour
- 11:00 A. M. Business Meeting
- 12:15 P. M. Lunch
- 1:30 P. M. Educational Program

Immediately following the educational program there will be an informal gathering in the lounge.

Demonstration

George Hauschel, Superintendent of the Rockingham Country Club, has extended an invitation for those who wish, to a demonstration of the Tree Monkey. The machine is designed to prune trees to a height of 25 feet. This will take place at the Rockingham Country Club, on Route 108 in Newmarket, N. H. at 10:00 o'clock on Saturday, April 5.

Applications to Be VOTED on Next MONTH

Robert Paul Laroche

6100 Connecticut Avenue, Chevy Chase, Md.

Bob has applied for an associate membership as he is the assistant superintendent at the Chevy Chase Club.

Gerard Cameron

Lovejoy Road, Andover, Mass.

Gerry has been the superintendent of the Indian Ridge Country Club in Andover for one year. He has made application for an associate membership.

Educational Program

The educational program for March was conducted by both Manuel Francis, Sr. and Manuel Francis, Jr. Man. Jr. gave a talk and showed slides on the construction of the new holes at the Belmont Country Club. Manuel Sr. spoke of his experiences in Mexico and also his procedures for fairway renovation, which also coincided with slides. Both talks were very well presented and very much appreciated.

Scholarship Committee

At the next meeting the final format of the Scholarship Fund will be presented to the membership, for their approval.

Research and Education

President George Hauschel appointed a committee to talk with representatives of the University of New Hampshire concerning the future of Turf Education and Research in New Hampshire, as there has been doubt, of late, as to which direction they were heading.

The committee consists of the following:

- Charles Pullen
- Bill Cross
- Dave Marcotte
- Bob Flanagan
- George Hauschel
- Ed Upham, County Agent

STRICTLY FOR THE BIRDS PART TWO

By William J. Barrett

Supt. Portsmouth Country Club

It is time for an evaluation of the mosquito control method undertaken here at Portsmouth Country Club. As stated in my first article, purple martin houses were erected here at Portsmouth Country Club in late 1967.

Purple martin scouts were spotted on the course the last week of April. However, the martins passed us by and settled in different communities. It is a known fact that the martins usually take two years to settle in the new houses. So we hopefully expect to see them inhabit our houses this year.

On May 1, 1968, 9 out of 10 houses became occupied by tree swallows who are in the martin family. As it turned out, by the time these swallows left on August 15th, their value to us more than offset the original cost of the martin houses. They proved to be large eaters of flying insects on our course, particularly during the early morning hours and at dusk.

Not long after they arrived the members began commenting on the scarcity of mosquitos and other insects around the course. As a matter of fact, where we normally sprayed the course two and three times a season, we only had to spray once last season. Some of this can be attributed to the relatively dry summer which helped cut down on the breeding places for mosquitos. Aside from their practical use to us, they add to the aesthetic value of any course.

At the close of the 1969 season we will publish the results of our second season in dealing with the purple martins and swallows. At that time, we hope to be able to report once again, that our mosquitos are "strictly for the birds."

Turf Conference

The New Hampshire Golf Course Superintendents Association was very well represented at the conference. As in past years Dr. Joseph Troll and his staff did an excellent job in running the proceedings and in obtaining the speakers. I am not alone in saying that anyone who did not attend, and could have, did an injustice to both themselves and their clubs. It is also felt that the respective clubs should accept the Superintendents financial obligations for the conference.



SEATED AT HEAD TABLE, MARCH MEETING
Left to right: Manuel Francis, Sr., Charles Pullen, Manuel Francis, Jr., Bob Flanagan, George Hauschel (President), Bob Hale, Brother John Flick, John Barry.



Maine Golf Course Superintendents Association

What the USGA Wants in An Open Course

By JOSEPH C. DEY, JR.

Executive Director, United States Golf Association

The ideal Open course, in the estimation of the USGA, is one that provides a test of championship skill without being tricky or unfair. Emphasis is placed on accuracy, not only in the green area but from the tee onward.

The rough should be of a depth and cut that rewards good shots and requires testing recoveries from poor shots. No specific height of grass is required since this is dependent on the density and toughness of turf in the rough. Treatment of rough around each green depends upon the character of the green, its size and difficulty of the approach.

These heights and widths of cut represent average treatment for the Open, but are not hard and fast:

	Height	Width
Fairway	1/2 to 3/4 in.	30 to 40 yds.
Collar off fairway	2 in.	4 to 6 ft.
Rough	4 to 5 in.
Green	3/16 in.
Collar off green	1/2 to 3/4 in.	30 to 36 ins.
Light rough off collar	2 in.	2 to 6 ft.
Rough	4 to 5 in.

Here are the USGA's requirements for tees, fairways, greens and bunkers:

Tees: Firm, dry turf is essential to stance. The teeing areas should be cut at approximately the same height as fairways.

Fairways: Should be maintained with minimum quantities of water to provide firm turf. Hard and soft spots should be avoided. Fluffiness, which can be minimized by combing and brushing, is undesirable because it tends to produce a "floater" ball. Cut should be made with the purpose of providing dense, firm turf with no clover, weeds or grass blades.

Greens: Cut may be as high as one-fourth inch where greens are severely undulating to prevent possible movement of the ball on a slope when the player takes his stance. Daily mowing is required for several weeks prior to and during the Open. Greens should be fast, not slippery. Irrigation should be uniform and only sufficient to maintain growth and color. Firmness is a must. Matted, fluffy turf should be corrected by combing, brushing and topdressing well in advance of the competition. Greens should not hold easily for a poorly played approach shot, but shots played with good backspin should hold reasonably well.

In locating cups, the first consideration is to what will give fair results. The two- or three-foot radius within the cup should be reasonably level. In no case should a cup be located in a tricky spot or on a sharp slope where a ball can gather speed (a player above the hole should be able to putt boldly for it).

Bunkers: A coarse grade of sand is preferable. If fresh sand is put in a trap this should come a month before the Championship so that it becomes well settled. The USGA doesn't permit use of a rake that puts large furrows in the sand.

To assist in uniform application of the Rules of Golf, the USGA seeks to meticulously define out of bounds, limits of water hazards and ground under repair.

Pesticides: A 12-Step Code

Courtesy Texas Agricultural Progress

1. ALWAYS read the label before using sprays or dusts. Note warnings and cautions each time before opening the container.
2. Keep sprays and dusts out of the reach of children, pets and irresponsible people. They should be stored outside of the home, away from food and feed, and under lock and key.
3. ALWAYS store sprays and dusts in original containers and keep them tightly closed.
4. NEVER smoke while spraying or dusting.
5. Avoid inhaling sprays or dusts. When directed on the label, wear protective clothing and masks.
6. Do not spill sprays or dusts on the skin or clothing. If they are spilled, remove contaminated clothing IMMEDIATELY and wash thoroughly.
7. Wash hands and face and change to clean clothing after spraying or dusting. Also wash clothing each day before reuse.
8. Cover food and water containers when treating around livestock or pet areas. Do not contaminate fish ponds.
9. Use separate equipment for applying hormone-type herbicides in order to avoid accidental injury to susceptible plants.
10. ALWAYS dispose of empty containers so that they pose no hazard to humans, animals or valuable plants.
11. Observe label directions and cautions to keep residues on edible portions of plants within the limits permitted by law.
12. If symptoms of illness occur during or shortly after spraying or dusting, call a physician or get the patient to a hospital immediately.

GOLFER DAMAGE TO WINTER GREENS

Question: Is there an effective means of determining how much damage golfers can do to greens in wet or cold weather? (Missouri)

Answer: Quite a lot has been written regarding this problem and numerous talks have been given at turf conferences; the following quite well summarizes this information:

1. Do not play when the soil is saturated with water or over-wet. This means that shoes actually sink through the soil or carts leave ruts. Not too often does this condition prevail.
2. This is of paramount importance: Do not walk on grass when a "white frost" is visible. When this is done, ice crystals in the cell vacuole will cause cell wall rupturing and death to the plant.
3. Never allow traffic on soil, especially putting greens, when all but the upper one or two inches of the soil is frozen. This can cause permanent damage to turf, as well as develop rough, bumpy putting conditions.

From USGA Green Section Record

A FOUR-BALL FABLE

Smith, MacDonald, Robb and Speirs,
Golfed together forty years,
Summer, winter, rain or shine —,
On the tee at half past nine.

One Saturday, with woe and dole,
At the road beside the seventeenth hole,
A sad procession slowly passed,
For one at least it was the last.

Three of the cronies reached the green,
But where was Robb? — Why, he was seen,
With cap in hand beside the fence,
Bowed down by Death's Omnipotence . . .

Placing his cap upon his head,
Robb laid his second shot stone dead,
When up spoke one of his three pals,
"We do not wait for funerals."

Then Robb explained with slight delay, —
His wife was being interred that day,
He could not let th'occasion pass,
Without some tribute to the lass.

Who was, for fifty years his wife —
She gave him a full, happy life —
Epitaph said "Old Robb was seen,
Smiting his drive to the eighteenth green."

ACGR.

PRESIDENT'S MESSAGE

It is interesting to note that the cost of operating country clubs is rising faster than club revenue, according to a survey of 75 country clubs, by the national accounting firm of Harris, Keer, Forster and Company.

The firm diagnosed the economic health of these country clubs based on data from clubs with fiscal years ending through May 31, 1968. Country clubs improved their gross revenue and dues by 3.9 per cent, operating cost and expenses rose 4.8 per cent. The major expense was *payroll*, requiring 80.6 per cent of their operating revenue to meet these costs.

The 1967-1968 golf course maintenance costs average \$4,329.00 *per hole* for the 75 country clubs. A year ago the cost per hole averaged \$4,131.00. This is a 4.8 per cent increase over last year.

With the acute labor problem existing on our golf courses today, with the economy and inflation constantly rising, the country club must look forward to still higher increases in payroll.

Anthony B. Caranci, Jr.
President

GOLF AT ST. ANDREWS

There are Four Golf Courses at St. Andrews. All belong to the Town. This means that, apart from the modest green fee, anyone can play on them. You do not need an introduction nor belong to any other club.

The four Courses are:

	Charges		
	Mon. to Fri.	Saturday	Sunday
The Old Course (Amer. money) the oldest golf course in the world)	\$1.60	\$2.40	closed
New Course	12s. 6d. \$0.80	£1 \$1.00	closed \$1.20
Eden Course	6s. 0d. \$0.80	8s. 6d. \$1.00	10s. 0d. \$1.20
Jubilee Course	6s. 0d. \$0.40	8s. 6d. \$0.40	10s. 0d. \$1.20
	3s. 0d.	3s. 0d.	10s. 0d.
Period Tickets (excluding Sundays) are available in the New, Eden, and Jubilee Courses, but NOT on the Old Course.			
Weekly Ticket		\$2.90	
		£1. 5s. 0d.	
Fortnightly Ticket		\$4.40	
		£2. 0s. 0d.	

Block reservations can be made on all courses except the Jubilee by secretaries, etc. of clubs or organizations. Individual bookings are NOT possible. A reservation fee as well as the green fee is payable to the starter as follows:

Old Course	2s. 0d. per Player \$0.25 per Player
New and Eden	1s. 0d. per Player \$0.12 per Player

Reservations can be made through the starter or the Town Clerk. During the summer months it is necessary to run a Ballot for starting times on the Old Course. Names should be given to the Starter *the day before* you wish to play. Ballot results are displayed at 5 p. m. for the following day at Starter's Box and the Information Centre. During August the hours between 10 a. m. and 11 a. m. and 2 to 3 p. m. and during September between 9:16 and 10:48 a. m. and 1:28 and 3 p. m. are reserved for R & A Golf Club members except on Thursday and Saturday.

Golf Clubs can be hired from shops near the Old Course, at approximately £1 (\$2.40) per day.
Information Centre
St. Andrews.



Shown Checking St. Andrew's Old Course

John Campbell, links supervisor of famed St. Andrews golf course in Scotland, and principals of UMass Fine Turf Conference were guests of Longmeadow Country Club at a reception recently. Seen checking the layout of St. Andrews Old Course are left to right, Dr. Joseph Troll, conference director, Harlow Ide, Longmeadow CC president, Leon V. St. Pierre, course superintendent at Longmeadow, John C. Spodnik, president of Golf Course Superintendents Association of America, and Campbell.

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