

Toro Grant for TGIF Renewed

The Toro Foundation Grant for Turfgrass Information File Retrospective Processing has been renewed. The amount of the grant received earlier this year is \$15,000 for phase 5 of the project (2007).

Some of the materials that were processed during phase 4 include:

- *Golf Course Management, Golf Superintendent, Golf Course Reporter, and Greenkeeper's Reporter* [GCSAA] (published 1933–1983) – an additional 1,231 records. A major effort is now underway to process this important GCSAA periodical title.
- *GreenMaster* [CGSA] (published 1965–1983) – an additional 660 records. Likewise, a major push to complete the retrospective processing of this Canadian title is now completed.
- *Golf* [USGA Bulletin] [as *USGA Bulletin 1898–1909*] – 80 records. This source, recently digitized and made available by the USGA through their website, contains occasional turf management and course operations material of great historic

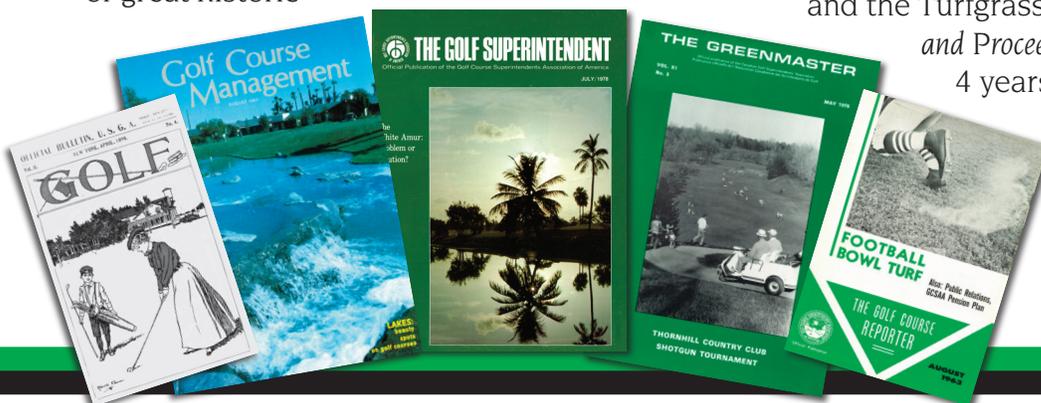
interest. This material has previously not been 'known' as a part of the literature; it could thus be described as 'new old' material.

- **Miscellaneous pre-1984 monographic sources**, including 19 theses, 6 dissertations, 71 extension bulletins/fact sheets/other booklets, 41 book chapters, 124 books & technical reports, etc. (published 1890–1983) – 329 records.

Now in Place: *ITS Journal and Proceedings Archive*

The International Turfgrass Society's (*ITS Journal and Proceedings*) can now be accessed through the Turfgrass Information File (TGIF), thanks to an agreement between the organization

and the Turfgrass Information Center! The *Journal and Proceedings* have been produced every 4 years, following the International Turfgrass Research Conferences since 1969. Articles more than two years old having all named author's copyright permission (form



Q & A from Earlier USGA Periodicals (Pre-Turf Twisters) Added

While all Turf Twisters from the [USGA Green Section Record](#) (1963-) have the question, source of question, and answer within the TGIF record, none of the Q&As from the earlier USGA periodicals, including the *Bulletin of the USGA Green Section* and *Turf Culture* were added to TGIF prior to the Turf Twisters in the 1960s. Currently underway is a push to add to TGIF these historically interesting and still possibly-relevant records in their full-text form, including question, source of question, and answer. Additionally, with the complete digitization of the USGA Green Section's periodicals dating back to 1921, there will also be a link to the digital format of the original publication.

Check out the publicly-available digital archive of the USGA Green Section periodicals at <http://turf.lib.msu.edu/gsr/>. Users of the TGIF database may already see some of the newly-added 400+ Q&A records appearing in their results!

The screenshot shows a web page titled "Turfgrass Information File" with a search result for record 124292. The page includes logos for USGA, GCSAA, and Turfgrass Information File. The record details are as follows:

- Web URL:** [http://www.lib.msu.edu/cgi-bin/tlink.pl?reco=124292](#)
- Last checked:** 05/04/2007
- Requires:** Adobe Acrobat
- Notes:** Document is within a single large file.
- Corporate Author:** USGA Green Section
- Title:** Use of a filler with ammonium sulphate to prevent burning
- Section:** Questions and answers
- What it is:** Q & A
- Source:** *The Bulletin of the United States Golf Association Green Section*. Vol. 2, No. 2, February 1922, p. 46-47.
- # of pages:** 2
- Pub. Info:** Washington, DC: USGA Green Section
- Question:** In the October, 1921, Bulletin, the following formula is recommended for putting-greens: ammonium sulfate, 250 pounds; bone-meal, 500 pounds; muriate of potash, 100 pounds; the mixture applied at not to exceed 20 pounds per 1,000 square feet. In the March 1921 Bulletin, a mixture of 5 pounds of ammonium sulfate with 50 pounds of sand is advised, and applied at 5 pounds per 1,000 square feet. Will it be necessary to use sand with the former mixture?
- Source of question:** Indiana
- Answer/response:** No, but it would do no harm, in case you wish to apply sand to your greens, to add it to the fertilizer mixture, thus applying the two at the same operation. The bone-meal in the former formula is sufficient as a filler, so that an addition of sand is not necessary. The purpose of a filler is to prevent burning from the ammonium sulfate. The danger of burning with ammonium sulfate is not serious if the chemical is in fine condition and evenly distributed, but where there are large lumps, say the size of a hickory nut, there will be a burned spot where the lump may lodge.
- Language:** English
- References:** 0
- See also:** See also related article "Commercial fertilizer" *The Bulletin of the United States Golf Association Green Section*, 1(10) October 17, 1921, p. 197-205 [R=47625 click here](#)
- See also:** See also related article "Ammonium Sulphate" *The Bulletin of the United States Golf Association Green Section*, 2(2) March 1921, p. 31-32 [R=47550 click here](#)
- TGIF Record #:** 124292

Options for finding the above item:

- Web URL:** [http://www.lib.msu.edu/cgi-bin/tlink.pl?reco=124292](#)
- Last checked:** 05/04/2007
- Requires:** Adobe Acrobat
- Notes:** Document is within a single large file.
- MSU Call No.:** SB 433.15 .B85 [TIC - Serials (USGA shelf)]

TGIF Fastlinks: An example from the *USGA Green Section Record*

An article in the [Summer 2006 issue](#) of *The Sward* discussed how to embed TGIF fastlinks into course syllabi, vitae, literature cited sections, among other items were discussed.

The March/April 2007 issue of the *USGA Green Section Record* demonstrates a real-life example of a fastlink. In the article "Golf Course Maintenance and the ADA" Patrick J. Gross writes about how the Americans with Disabilities Act relates to golf course operations and its potential impact on the quality of the turfgrass. The Director of the Southwest Region of the USGA Green Section references Gary Gentilucci's 1997 master's thesis [Putting Green Characteristics Associated with Surface Depressions Caused by Selected Forms of Traffic](#) (the

linked article title and thesis title in this blog entry are more examples of utilizing fastlinks!). By adding the TGIF fastlink after the citation, readers can jump to the TGIF record for this citation. Additionally, since Gary Gentilucci has granted copyright permissions to have his thesis digitized, readers can even access the full-text of the thesis from the TGIF record!

The publicly-available USGA Green Section Record archive site can be found at <http://turf.lib.msu.edu/gsr/>.

For more information on utilizing TGIF fastlinks in your own work, please visit <http://www.tic.msu.edu/fastlinks.html>.

TIC Salutes its Student Employees

April 8-14 was National Student Employment Week. Since the beginning of construction on the Turfgrass Information File (TGIF), the Turfgrass Information Center has relied heavily on student employee labor to produce high-quality, immediately-available TGIF records. Additionally, as TIC continues to partner with publishers and associations to digitize and make available publications, roles played by TIC student employees continues to expand. Student employees are relied upon to create descriptive (citation information) records, add keywords, write abstracts, determine online article availability, maintain URLs, design websites, create web pages, file and organize materials, serve walk-in traffic, and an assortment of other tasks – all while going to school!

Similarly, the Turfgrass Information Center could not have grown, or had the multifaceted features, or even run without the continued employment of our students.

The work performed by student employees is important and valued. A round of applause for the sheer amount of work and effort these students put forth; gratitude for all the researchers, students, and practitioners that helped via TGIF searches, archive sites and other TIC online resources; and thanks from all the staff at the Turfgrass Information Center.



MSU Student employees work on retrospective processing of materials for the Turfgrass Information Center Database (TGIF). Photo by Louis Villafranca.

Interactive Features now in USGA TERO

A recent issue of [USGA Turfgrass and Environmental Research Online \(TERO\)](#) features imbedded time-lapse animations of water content within soil profiles of several golf green types. The work is reported by researchers from The Ohio State University. Click on “Animate” for the USGA, California, and Push-up profiles, appearing on pages 7, 10, and 11 of the document itself (corresponding to pages 10, 13, & 14 of the .pdf files, respectively). Start at: <http://usgatero.msu.edu/v05/n17.pdf>

A current issue of [Turfgrass and Environmental Research Online \(TERO\)](#) discusses the current buffalograss breeding and genetics program at the University of Nebraska-Lincoln. Through this work, graduate students have received training and degrees. Links to the TGIF records for these students' theses and dissertations have been made on Table 2 of the issue. As an added benefit, several of the TGIF records contain links to a digitized version of the item! The link to the TERO issue is <http://usgatero.msu.edu/v05/n21.pdf>.

Digitization of turfgrass-related theses and dissertations has been an ongoing project of the Turfgrass Information Center since mid-2005, with **over 80** currently linked in TGIF! To give TIC permission to digitize your turfgrass-related theses/dissertation, please fill out and send in this form: <http://tic.msu.edu/copyrightpermissions.html>



Now in Place: ITS Journal and Proceedings Archive

continued from p.1

available at <http://tic.msu.edu/itspermission.html>) are available in full-text form through Adobe Reader 4.0 (or a later version). These archived issues can be easily located through the Turfgrass Information File's "Browse Full-Text Journals (Logs Out)" option. From there, select *International Turfgrass Society Research Journal and Proceedings* from the list of available electronic journals. The journal can also be accessed through ITS's website (<http://www.uoguelph.ca/GTI/itsweb/>) by members of ITS.

"The International Turfgrass Society (ITS) is a not-for-profit scientific organization established in 1969 to encourage research and education in turfgrass science, and to promote personal communication among the international community of turfgrass researchers by organizing international conferences to present turfgrass research and information on all phases of turfgrass production and use.

To this end, International Turfgrass Research Conferences (ITRC) are held at 4-year intervals. The hosts for past conferences have been England (1969), the United States (1973, 1993), Germany (1977), Canada (1981, 2001), France (1985), Japan (1989), Australia (1997), and Wales (2005).

The next ITRC will be held in Chile in 2009. A refereed Journal of turfgrass research papers is published in conjunction with each conference."

Access to ITS's *Journal and Proceedings* collection should be of great use to many TGIF subscribers!

The Box Score

Number of TGIF Records: **123,000+**

Number of *Toro Foundation Records*: **9,000+**
(These are new records added for items published *before* the establishment of TIC in 1984. This retrospective processing is sponsored by the Toro Foundation.)