

GOSA Transactions, Volume XII

Submission Deadline: June 1, 2011

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Submission Guidelines

Thank you for your interest in submitting an article and/or photographs for *Transactions, Volume XII*. We appreciate the work it takes to produce these items and hope to publish your material in the most professional manner possible. In order to do that, we have prepared guidelines for submissions. These are intended as suggestions to help smooth out the submission process and make it as painless to you, the author, as possible. If for any reason you cannot meet these guidelines, please contact the editors and we will be glad to assist you.

First, to help us plan the editorial process, please advise **the Transactions Editorial Team (Tara Cross, Jeff Cross, and Pat Snyder)** that you are contributing prior to sending in your article or photo. We can be reached via email at transactions@gosa.org or gosatransactions@gmail.com. We would appreciate a brief description of your intended submission.

All article submissions should include the following:

1. A brief abstract for use in the publication and the GOSA website
2. The complete article text as a stand-alone electronic file
3. Final versions of the figures, charts and tables
4. Photos and images
5. Complete references, including electronic resources and personal communication
6. Acknowledgments
7. A short biography for each author for inclusion in the "About the Authors" section of the volume.
8. Your physical and e-mail address

Further information concerning each element, including examples, is included later in this document.

Upon receipt, all articles will be peer reviewed by two anonymous reviewers. Reviewer and editorial comments will be compiled and returned to authors. We will then determine a new deadline for finalized articles to be completed.

Finally, when you complete your article and/or graphics, be sure to include both your **physical address and e-mail address** with the submission. Transactions authors will receive a complimentary copy of the Volume from GOSA via U.S. Mail, so we do need your physical address.

Submission Media

All submissions can be sent to the editors by the following methods:

- E-mail attachment
- CD or DVD
- Photos

If sending a CD, DVD or photos by U.S. Mail, use the address below:

Tara Cross
10209 S.E. 216th Street
Kent, WA 98031

Formatting Your Article Text

Basic copy editing of the text will be performed using MS Word, so any article contribution must be accessible to that program. The following formats are among the possibilities, in order of preference:

- MS Word 2000 or newer, or other word processing program, saved as .doc or .docx file, if possible. Mac or PC formats are fine. If this is a problem please contact the editors.
- Please do not send documents formatted in html.
- Please remove all hyperlinks from your document before sending it. Hyperlinks occur when you add a web site address (URL) to Word documents; they often show up in a blue color on the screen. You can turn off hyperlinks in your Word (or other word processing program) preferences. Please do so.

Whatever your specific word processing program, please do as little formatting of the text as possible. The obvious capitalization, paragraph breaks and quote marks are OK, as are most cases of underline, bold and italic. It's helpful if you do not use automatic formatting routines for lists, tabbing, etc. because most of those will have to be changed in the final layout.

However, you may format your end notes and references using standard Word formatting. We would prefer that authors use end notes rather than footnotes.

Please keep your graphics separate from your word-processed file rather than embedding them in the article (see below for more information on graphics). Instead, include text placeholders (for example, FIGURE 1, GIANT FREQUENCY CHART GOES HERE) so that the graphic can be placed near the associated text. Captions (descriptive information to be included with the graphic) may be submitted either as a separate Word document or included along with the placeholders in the text.

We also ask that you refer to graphics in your article as a "Figure," such as: "See *Figure 1. Giant Frequency Chart,*" rather than "See figure below." The figure (or table or photograph) may not be below the text in the final layout!

Graphic Elements-Charts, Tables, Graphs and Maps

Charts, tables, graphs, and maps should also be submitted as digital files, if at all possible.

All graphs, charts, tables, and maps (and photographs, if you are including them) **should be named in consecutive order**, for example, *Figure 1. Oblong Intervals May 2008.*

- In general, submit your figures (graphs, charts, tables) in black and white or grayscale. If you want to send a color version, send a grayscale one

along with it. NOTE: **We will not be able to print figures in color.** Please do not send color-critical charts or graphs where use of color is key to understanding the graph.

- The file formats .pdf or .eps are preferred. If you submit a .tif or .jpg file, please make sure it is at least 5 inches by 7 inches at 300 dpi or more. If it is a **map**, it should be larger, preferably 8 inches by 10 inches. We can work with large digital files, so large files are OK.
- All scans must be high resolution so that they will look professional when printed. This is especially important for maps that include a high level of detail.
- Avoid hand-drawn figures if at all possible. If you need help converting a hand-drawn figure, please contact the editors.

Also, charts, tables and graphs produced with **MS Excel** or **Microsoft Word Tables** can be used.

All figures must be submitted in final form. Please format your own table headings, subheadings and column headings as you would like them to appear, whether bold, italic or otherwise.

If you are not able to produce the graphics in an electronic form, then print them and mail them as a **very clean hard-copy** (paper), unfolded. We have access to a scanner and can scan them.

Graphic Elements-Photographs

Photographs should, ideally, be sent as digital files. If you have to submit a print, please do not submit inkjet prints, but instead send prints made by a photo lab such as Kodak, etc. Prints can be scanned. *Never send original prints!* We can't guarantee safe arrival or return. If you have slides, please contact the editors.

- Please name your photograph according to its content, for example, *giant9.4.06.tif*, or *fountainandthief6.5.08*. If it is an eruption series, add the number for each one in the series, such as *giant.1.9.9.06*, *giant.2.9.9.06*, etc. That will help the layout editor publish the photos in the proper order.
- If the original is in color, please submit it in color. The layout editor will convert it to grayscale if necessary.
- The file format .tif is preferred, but we can accept .pdf, .eps and .jpg.
- The size should be at least 4 inches by 6 inches at 300 dpi or larger (at least 2 megabytes in size or larger). If you have a key eruption photo but it is smaller, contact us, we might be able to work with it.
- Please do not add borders to the photo.
- Avoid severe enhancements, such as over sharpening, adding or reducing contrast or making significant color alterations.

If you have any questions about photographs, please contact the layout editor.

Equations

There are two important rules to follow when including equations in articles:

- Equations must be on a line separate from the text, and not embedded within paragraphs.
- Equations should be numbered, with the number appearing in parentheses to the right of the equation.

Example (Nagao et al):

Now we consider the relationship between Θ and θ_0 , which should satisfy the observed conditions. This relationship is examined after taking into account the boiling point elevation inside the vertical tube, which is dependent on the exterior hydrostatic pressure. If Θ and θ_0 are constants, from Eq. (1) the ratio of t_1 at high tide (t_{1h}) to low tide (t_{1l}) is shown in Eq. (2).

$$\frac{t_{1h}}{t_{1l}} = \frac{A_0 - \ln(\Theta - \theta_{1h})}{A_0 - \ln(\Theta - \theta_{1l})} \quad (2)$$

Where θ_{1h} and θ_{1l} are θ_1 at high and low tide, and $A_0 = \ln(\Theta - \theta_0)$ and we define $k = t_{1h}/t_{1l}$, we can solve Eq. (2) for θ_0 and produce Eq. (3).

$$\theta_0 = \Theta - \exp\left(\frac{k \cdot \ln(\Theta - \theta_{1l}) - \ln(\Theta - \theta_{1h})}{k - 1}\right) \quad (3)$$

When $\Theta \rightarrow \infty$, asymptotic temperature of θ_0 (θ_{0s}) is as shown by Eq. (4) (see **Appendix** for the derivation).

$$\theta_{0s} = \frac{k \cdot \theta_{1l} - \theta_{1h}}{k - 1} \quad (4)$$

After assigning the observed results (k) and the estimated variables (θ_{1h} , θ_{1l}) to Eq. (3) and (4), we can obtain the relationship between Θ and θ_0 .

Citation Style Guide

The GOSA Transactions has chosen to adopt the Chicago Manual of Style citation style. The purpose of this is to help authors by providing guidelines and examples for the information that should be included in their citations. Please do not worry about having every period in the right place; the most important thing is to have the correct information for a complete citation. We are providing some examples here for authors to work from. We are asking that all non-historical articles be documented using the author-date system (example included below). **Please note:** if you have already started on an article using another style, please let us know so we can work together on documentation.

If you are submitting a historical article using primarily unpublished references such as reports, letters, archival documents, and manuscripts, end note references should be used. We can provide some examples for historical citations.

Note: Page numbers are required for journals, but optional for books. Page numbers are also optional in in-text citations.

Print References

Book

Author(s). Date. *Book title*. edition. Location: Publishing company.

Examples:

Bryan, T. S. 2008. *The Geysers of Yellowstone*. 4th ed. Boulder: University Press of Colorado.

Whittlesey, L. H. 1988. *Wonderland Nomenclature: A History of the Place Names of Yellowstone National Park*. Helena: Montana Historical Society Press. Print copy distributed by the Geyser Observation and Study Association.

(If you have another version of Whittlesey, the editors can provide citation information.)

Article in a Journal

Author(s). Date. Article title. *Journal title* vol (no): pages.

Examples:

Cross, Tara. 2008. The Activity of Giant Geyser August 2005-April 2008. *The GOSA Transactions* 10: 36-75.

Cross, Jeff. 2010. Observations of Geyser Activity, July 6 to July 18, 2010. *The Geyser Gazer Sput* 24 (4): 18-26.

Unpublished Report

Author. Date. Title. Unpublished report.

Page numbers may not be necessary. Additional details may be added, such as "handwritten" in the example below.

Examples:

Alderman, J. 2008. "Great Fountain activity on June 10." Unpublished, handwritten report.

Paperiello, R. and M. Wolf. 1986. "Report on Lesser Known Thermal Features of Yellowstone National Park, 1981-1985." Unpublished manuscript.

Electronic References

World Wide Web

Author(s)*. Year*. "Title." Access date (or last modified date). Complete URL.

*In some cases author and year may not be available. In these cases simply include as much information as possible.

Examples:

Taylor, R. 2008. "Grotto Geysers: Activity Recorded by Data Logger." Accessed February 19. www.gosa.org/geyser.aspx?pGeysersNo=GROTTO.

Johns, L. and J. Johns. "Yellowstone Thermal Volunteer Page." Accessed February 19, 2008. www.shol.com/johns/grotto/web1-report.htm.

Geysers Observation and Study Association. "Giant Geysers." Last modified November 27, 2010. www.gosa.org/geyser.aspx?pGeysersNo=GIANT.

Personal E-mail

Author. Year. "Subject line of posting." Personal E-mail (date).

Example:

Eide, S. 2010. "Norris." Personal E-mail (November 14, 2010).

Geysers Listserv

Author. Year. "Subject line of posting." E-mail to geysers mailing list (date).

Example:

Keller, M. 2006. "[Geysers] Geysers Report 4-22-06." E-mail to geysers mailing list (April 22, 2006).

If you are using geysers listserv reports, please include the following information in-text or in a footnote:

The geysers E-mail mailing list is maintained by David Monteith and Carlton Cross. More information can be found at lists.wallawalla.edu/mailman/listinfo/geysers.

Marler Inventory

The Marler Inventory presents a bibliographic dilemma. There are several different versions and citations will differ depending on which version the author is using. We include two examples here. If you have a different version from either of these, please contact the editors if you have any questions about how to cite your version.

Examples:

Marler, G. D. 1973. *Inventory of Thermal Features of the Firehole River Geyser Basins and Other Selected Areas of Yellowstone National Park*. Prepared by Lynn Stephens for The Geyser Observation and Study Association.

Marler, G. D. 1973. *Inventory of Thermal Features of the Firestone River Geyser Basins and Other Selected Areas of Yellowstone National Park*. Washington, D.C.: National Technical Information Service, Publication Number PB-221289.

[Please note that the NTIS version includes the typographical error “Firestone” rather than “Firehole.” This was corrected in Lynn Stephens’ version.]

Same author, same year

Two or more works by the same author in the same year should be differentiated by the addition of a, b, and so forth, and are listed alphabetically by title. Text citations consist of author and year plus letter.

Bryan, T. S. 2005a. “[Geysers] Brief geyser report August 16.” E-mail to geysers mailing list (August 16, 2005).

----- . 2005b. “[Geysers] Geyser report Saturday August 27.” E-mail to geysers mailing list (August 27, 2005).

Note the dash, used to indicate multiple references by the same author.

In-Text Citations

When referring to a reference in-text, include the author, year, and page number (optional) in parentheses.

Example:

Norris Pool had another active phase in 1999, starting in August and ending in November (Bryan 2008, p. 119), this time from a vent clear of debris.

The following is an example of the in-text citation style.

Green Spring Erupts: July 6, 2008 by Stephen Michael Gryc

History

T. Scott Bryan suggests that Green Spring may have been observed in eruption as early as the 1880s when it was noted as “a bulger.” The first true descriptions of geyser activity did not come until 1934 when Green Spring was said to have erupted as high as 20 feet (Bryan 2008).

George Marler (1973) cites August of 1941 as the first eruptions of Green Spring to his knowledge. The eruptions lasted from 4 to 5 minutes and recurred about every 35 minutes. In describing the eruptions, Marler writes, “Large domes of water would rise and then fitfully splash to a height of about 12 feet.”

After 1941 Green Spring saw at least some eruptive activity in 1949, 1950, 1953 and 1957 though most of the time the pool remained quiet and without overflow. Green Spring erupted at the time of the 1959 earthquake but then began a long period of inactivity (Bryan 2008).

During the past four decades there have been occasional reports of short-lived geyser activity from Green Spring. Rick Hutchinson and Sam Martinez reported activity in 1975 and 1976, respectively. Rocco Paperiello (1999) states that at least one large eruption seems to have taken place in May of 1999. According to Bryan, Green Spring, during its rare periods of geyser activity, typically undergoes a series of eruptions, although during 2004-2005 widely spaced eruptions (intervals of hours or days) occurred. Such eruptions were noted earlier in 2008 during February and March (Bryan 2008). As far as I know, the July eruption that I witnessed was the only one erupted during the later months of 2008.

References

Bryan, T. S. 2008. *The Geysers of Yellowstone*. 4th ed. Boulder: University Press of Colorado, pp. 121-25.

Marler, G. D. 1973. *Inventory of Thermal Features of the Firestone River Geyser Basins and Other Selected Areas of Yellowstone National Park*. Washington, D.C.: National Technical Information Service, Publication Number PB-221289.

Paperiello, R. 1999. "REPORT: 3 geysers - new activity." E-mail to geysers mailing list (May 7, 1999).