

STEM Society Meeting, June 14, 2016

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1 About the STEM Society and the STEM Society Website

STEM is an abbreviation for Science, Technology, Engineering and Mathematics. The acronym STEM is commonly associated with K-12 education, but our use of the term is only slightly bound to this meaning. There are over one hundred people on the mailing list, although a much smaller group attends any one meeting. We meet on the second Tuesday of each month at the Trailside Center at 99th and Holmes in Kansas City, Missouri. The meetings are open to all. The start time is 6PM. We make presentations, have discussions, and have demonstration experiments. These relate to Science,

the History of Science, Mathematics, Engineering, Philosophy and Technology at all levels. The topics have ranged from a technical discussion of the Mathematics of General Relativity to scientific experiments for young students.

These meeting notes contain links to many other documents, which may be viewed or downloaded by clicking the link. A partial list of documents can be reached by clicking the heading **Documents**. The meeting notes may also be viewed in an archive file (archive.pdf), which is in the list of documents. Many of the documents are PDF files. They may be viewed or downloaded to the computer by clicking, provided Adobe Reader, or another program capable of reading PDF files, is present. There are many more documents available at the site than are listed under **Documents** because the documents.htm file is not at all up to date. The last time I checked, about March 2014, there were about 350 document files on the site. We are in the process of creating better techniques for finding documents and authors. The first meeting of the STEM Society was in November of 2006. For several years we used the content management program called Joomla. It had a fancy looking interface, but was hard to use. It overran the space somehow at our internet provider Bluehost. So we now have a very simple HTML site. It is not so slick looking as Joomla, but is very easy to maintain and modify.

The web site is:

<http://www.stem2.org/>

Direct to the documents list:

<http://www.stem2.org/je/documents.htm>

Direct to the archive file:

<http://www.stem2.org/je/archive.pdf>

2 The June 14, 2016 Meeting Announcement

The June meeting of the STEM Society will take place on the second Tuesday of the month, June 14, 2016, at the Trailside Center at 99th and Holmes in Kansas City, Missouri. The starting time is 6PM. Also look at our website for past meeting notes:

The web site is:

<http://www.stem2.org/>

Topics and possible Discussions:

(a) Shaun O'kelley (okelleyschaun@gmail.com) will give a presentation on liquid treatment, biosolids treatment, incineration, and disinfection, of waste. Shaun is the Plant Engineer at Kansas City Water Services waste treatment facility. He is a mechanical engineer.

(b) We have other topics in reserve should there be extra time.

(c) We can take A brief look at the notes from last months meeting.

(d) As always, attendees are free to bring, and should bring additional topics, things, ideas, and presentations. We need more presentations from our very diverse and experienced fellowship.

3 Schaun O'Kelley

To

jim emery

Message body June 18th 2016

Dennis McCoy

On Jun 17, 2016 10:12 PM, "jim emery" <jdemery1@yahoo.com> wrote:
Shaun,

I would like to get a copy of your presentation material on my flash drive. If you are at the Black Smith shop on State Line or at Hammer Space tomorrow, I could bring you the flash drive.

Also what was the name of your electrician coworker, which I failed to write down? I found your talk quite interesting.

James Emery

816-444-7895 cell 816-377-6133

Shaun O'kelley okelleyschaun@gmail.com

May 16 at 6:24 PM

pTo

jim emery

Message body

Jim, I will give a presentation next month on liquid treatment, biosolids treatment, incineration and disinfection. That is 8 hours of material. Let me know. Shaun

3.1 VFD Motors

Variable Frequency Drives AC Motors. See variable frequency drives Wikipedia.
File saved in

c:\je\pdf

4 Lynn Youngblood, Blue River Watershed Association, Student Presentation

bobkessler2@mac.com
816-942-7291

Begin forwarded message:

From: Lynn Youngblood brwa.lynn@gmail.com

Date: June 3, 2016 2:57:16 PM CDT

To: "Robert Kessler, KCT" bobkessler2@mac.com

Subject: Re: Team

Hi Bob,

They are a small team from Acadamie Lafayette, about 3-4 students.

Thanks so much!

Lynn

Lynn Youngblood

Executive Director

Please make note of my new phone number below:

Blue River Watershed Association

PO Box 7276

Kansas City, Missouri 64113

816.462.5199

5 Bibliography

[1] Peavy Howard S, Rowe Donald R, Tchobanoglous, **Environmental Engineering**, McGraw-Hill, 1986, (chapter 5, Wastewater Treatment, Part 3, Solid Waste).