

## **“Alternate Energy Resources, Conservation and the Environment”**

Messiah College  
Grantham, PA  
August 5–8, 2005

### **Thursday, August 4**

3:00 PM Check-in desk opens  
10:00 PM Check-in desk closes

### **Friday, August 5**

7:00 AM Breakfast  
8:00 AM Geology Field Trip  
9:00 AM Biology Happening  
9:00 AM Bus leaves for Gettysburg Battlefield  
10:00 AM Check-in desk opens  
5:30 PM Dinner  
7:00 PM Introductions and Plenary Address  
9:00 PM Mixer  
9:00 PM Check-in desk closes

### **Program Highlights, August 5–8, 2005**

#### **Plenary Speakers:**

- Dr. Stanley Bull, National Renewable Energy Laboratory (NREL), *“Renewable Energy Technologies for the 21<sup>st</sup> Century”*
- Dr. George Sverdrup, USDOE Hydrogen Program, *“Achieving a Sustainable Hydrogen Energy Economy”*
- Dr. Robert Wauzzinski, Ball State University, *“Resources in Philosophy and Religion for the Evaluation of the Social Impact of Technology”*
- Dr. Egbert Schuurman, University of Delft and Eindhoven, *“Struggle in the Ethics of Technology”*

#### **Special Sessions:**

- Sustainable Energy Options –Ken Touryan
- Technology as a Gift of God –Jack Swearingen
- Technology Limits and Emergent Properties –Jack Swearingen
- Biblical Management of Technology –Jack Swearingen
- Appropriate Technology –Walter Bradley
- Models of Creation: ID and TE –John Bloom

#### **Plus:**

- Contributed Papers and Posters
- Meetings of the Affiliations, Commissions, Fellows, Local Sections, Publications, and Student and Early Career Scientists
- Reception for Student and Early Career Scientists

### **Field Trips**

All tours will leave from the Eisenhower Circle

#### **Friday, August 5**

##### **1. Gettysburg Battlefield**

**Leave 9:00 AM**

Travel by air-conditioned coach to nearby Gettysburg, PA. Return by 4:00 PM. Includes a two-hour tour of the battlefield by coach with licensed guide on board. Return to Gettysburg Visitor’s Center parking lot from which you can walk to shops, the National Cemetery, the Electric Map Civil War Museum, House of Presidents, and other attractions. Lunch (*not included in cost*) options include fast-food and family dining restaurants.

**Limit: 25**

**Cost: \$38.50**

##### **2. Geology field trip**

**Leave 8:00 AM**

This is an all-day field trip lead by Ken Van Dellen. We will take a look at watergaps west of Harrisburg, and consider some of the geologic history of the Appalachians, including plate tectonics, subsequent erosion, etc. In the afternoon, we will go to the historic Cornwall Iron Mine and Furnace for some additional geology discussion. *A bag lunch and guide book are included in the cost.* We plan to car-pool. Email Ken (kenabcxyz123@comcast.net) with questions or offers to drive.

**Limit: 20**

**Cost: \$10.00**

##### **3. Biology Happening**

**Begins 9:00 AM**

Biologists are invited to gather in Kline/Jordan Science Center for a “round table” discussion of biology concerns. A tour of Oakes Museum of Natural History will follow. *A bag lunch is included in the cost.* After lunch, travel by college van to local Messiah College field research sites. Intended for biologists from undergraduate, graduate research, governmental, and commercial research settings. Sponsored by the ACB but does not replace the scheduled ACB meeting. Contact Jerry Hess (ghess@messiah.edu) for more details.

**Limit: 30**

**Cost: \$10.00**

#### **Saturday, August 6, 2005**

##### **4. Spouse Field Trip**

**Leave 9:45 AM**

Tour of Hershey Chocolate World. Please check on the registration form if you are interested so that we may schedule enough cars. *Lunch is **not** included in cost.*

**No limit**

**Cost: \$10.00**

#### **Monday, August 8, 2005**

##### **5. Lancaster–Amish Country**

**Leave 1:30 PM**

Travel by passenger vans to Lancaster—Amish Country area. Vans will return to Messiah College at 9:00 PM. Tour guided by a Messiah College faculty person who knows the Amish community well. Includes a film on the Amish Experience and an evening meal in an Amish home.

**Limit: 25**

**Cost: \$45.00**

### Lodging and Meal Package

We will be staying in air-conditioned apartments, mostly two-bedrooms with one bath. The apartment buildings have three floors with no elevators. Pillow, bedding, towels, wash cloth, and a hotel-size bar of soap are provided. Package includes: Friday–Sunday lodging and meals beginning Friday dinner through Monday lunch.

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|---------------------------------|-------|
| 1. Single occupancy             | \$218 |
| 2. Double occupancy, per person | \$172 |

Accommodations are available for early arrivals and late departures. The cost for an extra night's lodging does not include meals. Additional meals need to be purchased at time of registration.

Single Occupancy – \$46.00; Double Occupancy – \$30.00

Breakfast – \$5.25; Lunch – \$9.25; Dinner – \$10.25

ID card will be required for all meals. The cost of a lost ID card is \$55.00.

### Commuter Package

Commuter package includes commuter fee for the entire conference, and lunches and dinners **only**, Friday through Monday: \$102 per person. Does not include the registration fee.

### Emergency Number

717-691-6005

### Lodging at Area Motels/Hotels/Campgrounds

Log on to: [www.2.messiah.edu/visitors/directions](http://www.2.messiah.edu/visitors/directions) for a listing of lodging facilities in the area.

**Amber Inn** –Rt. 15, ½ mile north of Rt. 15 and PA Turnpike 717-766-9006

**Best Western Plantation Inn** –Rt. 15 and PA Turnpike 717-766-0238

**Hampton Inn Harrisburg–West**, 4950 Ritter Rd., Mechanicsburg,  
PA Turnpike, Exit 236 (Old Exit 17) Gettysburg and US Rt. 15 N 1-800-HAMPTON

**Homewood Suites Harrisburg–West**, 5001 Ritter Rd., Mechanicsburg,  
PA Turnpike, Exit 236 (Old Exit 17) Gettysburg and US Rt. 15 N 1-800-CALLHOME

**Wingate Inn** –Rt. 15 and PA Turnpike 1-800-228-1000

**Gifford Pinchot State Park** is located ten miles southeast of  
Messiah on Rt. 1. Plan to call early to make your reservations. 717-432-5011

### Car Rentals:

Avis:	1.800.831.2847	Enterprise:	1.800.325.8007
Budget:	1.800.527.0700	Hertz:	1.800.654.3131
Thrifty:	1.800.847.4389	Dollar:	1.800.800.4000

### Travel information

Messiah College is located about 12 miles southwest of Harrisburg, PA., where there is an Amtrak/Greyhound station, and almost 20 miles from the Harrisburg International Airport (MDT). For driving directions and general information about the airport, rail station, and taxi companies, log on to [www.messiah.edu/visitors/direction.html](http://www.messiah.edu/visitors/direction.html)

**By car.** The nearest exit on the Pennsylvania Turnpike (I-76), marked for Gettysburg and US-15, is about 5 miles away. Formerly exit number 17, it is now numbered 237 to correspond with the mile marker on the highway.

ASA member Craig Rusbult has kindly arranged a webpage for those who want to share a ride: [www.asa3.org/ASA/education/comm/rides.htm](http://www.asa3.org/ASA/education/comm/rides.htm)

**By rail.** Relatively frequent service (roughly hourly) is available on Amtrak to Harrisburg. Almost all service originates in Philadelphia, New York, or Boston and points in between—that is, it comes from the east and north, not from the west or south. Look for “Keystone Service” at [www.amtrak.com](http://www.amtrak.com). There is one train each day from Pittsburgh, arriving mid-day; look for the “Pennsylvanian.”

**By air.** Harrisburg International Airport (MDT) is the closest airport, but usually more expensive to fly into than any of the following alternatives, each of which is about two hours away by car: Washington Dulles (IAD), Philadelphia International (PHL), or Baltimore-Washington International (BWI). There is regular express rail service from PHL airport to the Amtrak station at 30th Street in west Philadelphia, where you can board a train to Harrisburg.

**Messiah College Shuttle** service to/from Messiah and the MDT airport and Harrisburg rail station is available at \$14 each way/per person. Must be paid at time of registration. Shuttle service is available as follows:

Thursday, August 4:	1:00 PM – 11:00 PM
Friday, August 5:	11:00 AM – 5:00 PM
Saturday and Sunday:	No Service
Monday, August 8:	Noon – 4:00 PM
Tuesday, August 9:	8:00 AM – Noon

- To reserve a shuttle ride, you must contact Ted Davis, local arrangements co-chair, of your travel itinerary **no later than noon, Friday, July 29**. If your plans change after that date, contact Ted as soon as possible at 717-766-2511, ext 6840. Be sure to leave a telephone number where he can reach you.
- If you are delayed en route, such that your plane or train arrives outside the windows, you will need to make your own arrangements. Please keep this in mind when booking your itinerary.
- If you are unable to arrive or leave within these windows, you will need to make your own arrangements. A taxi costs about \$30 one-way from the Amtrak station and about \$40 one-way from the airport.