



# Physics Tempo

The Newsletter of The St. Louis Area Physics Teachers  
an affiliate of the American Association of Physics Teachers  
April 1991 Vol. 1 No. 2

## Notes from the March 1991 Meeting at Mehlville Senior High School

by Paul Discher

The last meeting of the St. Louis Area Physics Teachers was held at 8:00am March 16, 1991 at Mehlville Senior High School. The meeting was hosted by Gene Fuchs, and assisting Gene was Gary Shepak. Equipment and other demonstrations from Rutgers was shown. Gene demonstrated kits for light wave communications that he had constructed using photocells and Light Emitting Diodes. Val Michael polled the audience and there was substantial interest in having a light wave communications workshop later in the year.

Val also reminded us of the upcoming six part PBS special "The Astronomers" narrated by Richard Chamberlain and produced by KCET, Los Angeles. This series is to be aired on PBS affiliates around April 15, 1991. Please check your listings for exact local show times. Ancillary support materials can be obtained by writing: The Astronomers, 4401 Sunset Blvd., Los Angeles California. The program utilizes some dramatic special effects and probes into the lives and perspectives of the scientists currently exploring the universe.

Dr. Stephen Harris was a welcomed visitor from St. Louis University, Department of Mathematics. He talked to us briefly about his course, "Descriptive Relativity" to be conducted at St. Louis University this summer. The dates are June 10, 1991 thru June 14, 1991. Tuition is \$195.00. You can write "Summer Sessions" at St. Louis University, 200 North Grand, St. Louis, Missouri 63103, or phone Steve Harris at 314-658-2489 for more information. If you think your understanding of relativity is lacking, this appears to be an excellent refresher course.

More on the AAPT meeting in this newsletter. We also decided to announce the May meeting in this newsletter because funds for mailing are running low. There will be no May Newsletter, so please keep this one handy for directions to the May 1991 meeting at John Burroughs School.

## Physics Tempo

The free newsletter of and by the St. Louis Area Physics Teachers, an affiliate of the American Association of Physics Teachers (AAPT), and is intended as an organizational support group for the betterment of Physics and Physical Science teachers throughout St. Louis and Illinois. *Physics Tempo* is dedicated to report achievements and announce the activities of the St. Louis Area Physics Teachers. In addition, *Physics Tempo* is intended to help disseminate useful and innovative information for teaching Physics and Physical Science.

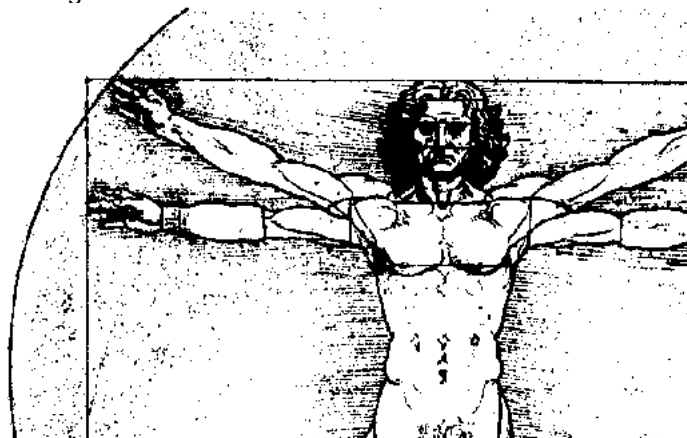
Send your articles, ideas, announcements and subscription requests/address changes to: Physics Tempo: Editor / Paul Discher, Washington University-Electrical Engineering, Campus Box 1127, St. Louis, Missouri 63130-4899. FAX articles or Ideas to Washington University School of Engineering Fax Line: 314-726-4434. Please include the routing address shown above on FAX mail.



Gary Shepak Demonstrates Apparatus from Rutgers

## Missouri AAPT Section Meeting April 20, 1991

The Missouri Section of the AAPT in conjunction with the Missouri Academy of Science. Spring Meeting, April 20, 1991, Westminster College. For further information call Dr. Larry Banks : 417-836-5131 Southwest Missouri State College.



### April 1991 Meeting Part 1

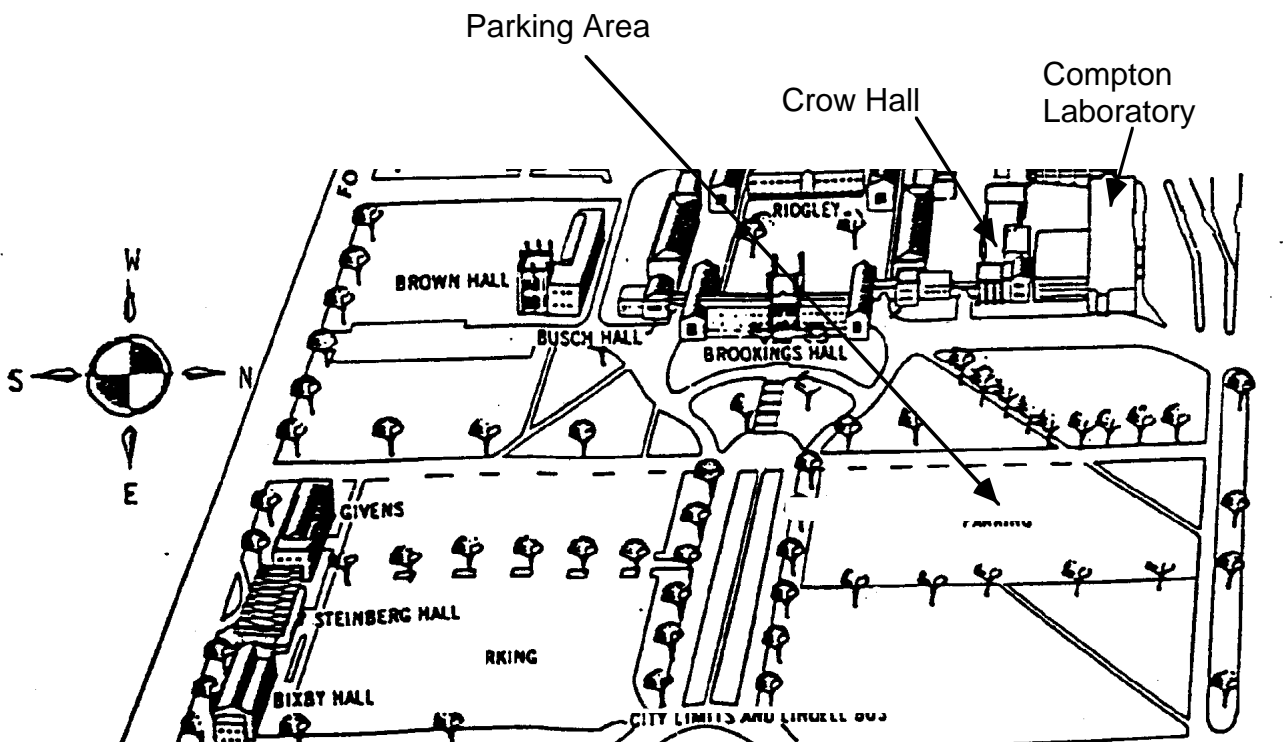
**Date/Time:** Friday April 19, 1991

**Place:** Washington University Department of Physics

**Host:** Professor Pat Gibbons

The April meeting of The St. Louis Area Physics Teachers has been combined with activities of the AAPT section convening at SIU-Edwardsville, and the hospitality of Washington University Dept of Physics, Friday April 19, 1991.

Part 1 of our April 1991 event will be hosted by Professor Pat Gibbons and the Department of Physics at Washington University, and will feature a talk by Paul Hewitt. The program is scheduled to begin with coffee at 2:30pm in the 2nd floor corridor of the Compton Lab. Paul Hewitt's talk, "Conceptual Physics" will commence at 3:00pm in Crow Hall, room 204. Crow Hall adjoins the Compton Laboratory building to the south.



**Eastern View of Washington University Campus**

The campus of Washington University is located just west of Forest Park off Skinker Blvd., and is bounded by Millbrook Blvd and Forsythe blvd. Parking is convenient to both Crow Hall and the Compton Laboratory Buildings. Proceed to the Millbrook or Skinker entrances and park in the northeast lots. A short walk west up the terraces and you will find the Compton Labs plainly marked on the northeast side of the Washington University campus.

### April 1991 Meeting Part 2

**Date/Time:** Friday April 19, 1991

**Place:** SIU-Edwardsville

**Host:** Professor Fred Zurheide 618-692-2472

The combined AAPT section meeting will commence at SIU-Edwardsville at 12:00 noon. Sessions will continue from 12:00 noon until 5:30pm. A social is planned for 5:30pm and Dinner at 6:30pm. The evening program will include a talk by George Dube' titled "Commercial Lasers". The program includes registration costs of \$4.00 and dinner \$10.00. For more information please contact **Professor Fred Zurheide 618-692-2472**. Directions to SIUE will follow.

**April 1991 Meeting Part 3**

**Date/Time: Saturday April 20, 1991**

**Place: SIU-Edwardsville**

**Host: Professor Fred Zurheide 618-692-2472**

The Saturday April 20, 1991 program for the combined AAPT section meeting and the Demonstration Competition will commence at 8:00am, Room 1105, Lower Auditorium, SIUE Science Laboratory Building. This portion of our program will include judging of demonstrations from the St. Louis Area Physics Teachers and the Chicago AAPT Physics Teachers. Paul Hewitt will also conduct a talk and be a celebrity judge for our competition. For more information please contact **Professor Fred Zurheide 618-692-2472**.

**Directions to SIUE:**

From Missouri: Take I-270 east to Ill. Exit 9 "SIUE / Edwardsville". Exit and follow signs to the campus. Proceed along the outer campus driveway loop to restricted Lot #D for parking near the SIUE Science Laboratory Building.

**May 1991 Meeting**

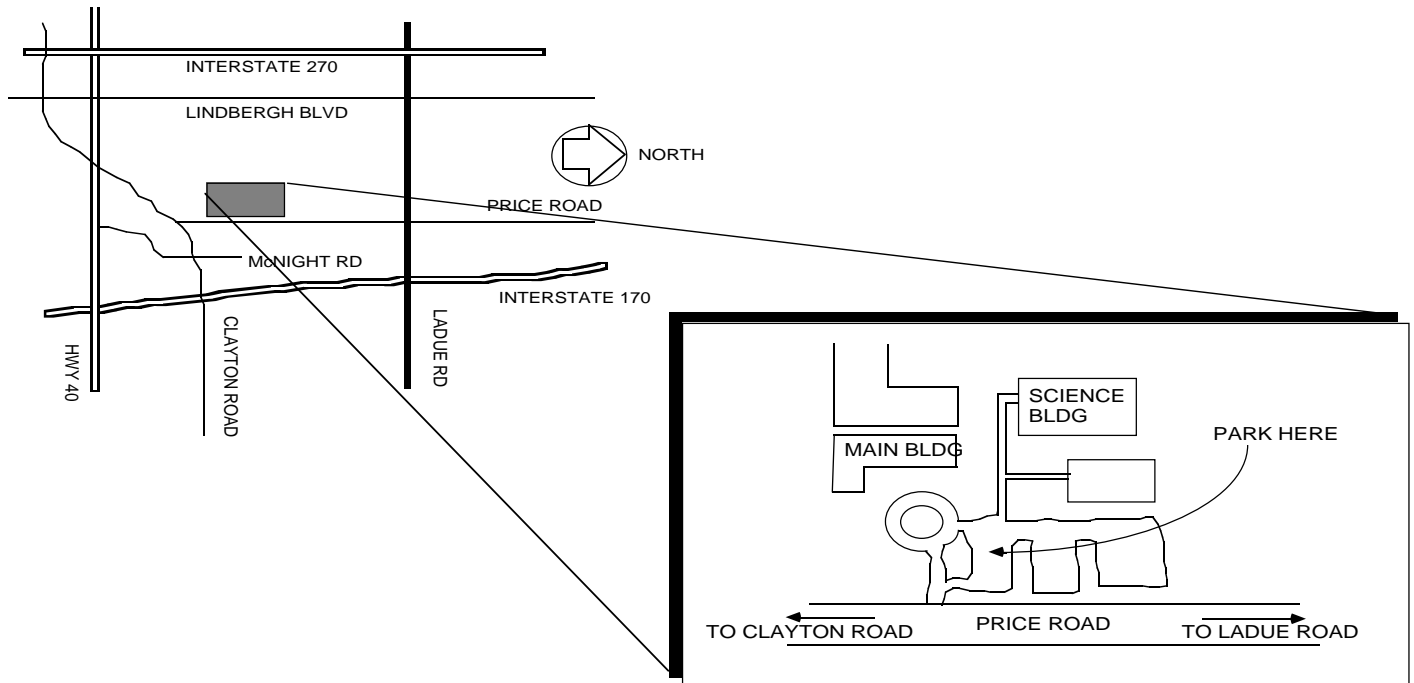
**Date/Time: Saturday, May 8, 1991, 8:00am**

**Place: John Burroughs School**

**Host: Jerry Taylor**

On Saturday, May 4, 1991, the meeting of the St. Louis Area Physics Teachers will be held at John Burroughs School. I will be making a presentation that day of some ideas dealing mainly with optics and astronomy. This will include demonstrations and student-centered activities. The student activities will involve concepts from astronomy, but are appropriate as well for physics and general science classes.

I am still interested in having an equipment trading session. People should bring a list of the things they have or want.

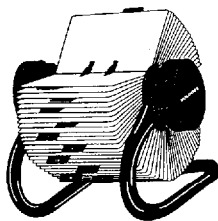


John Burroughs is located on Price Road, between Clayton Road and Ladue Road, about one mile north of I-64 (highway 40) and one mile west of I-170 (interbelt). (See map above). The main entrance is well-marked. Park in any lot and follow the sidewalk on the north side of the main building until you get to the science building entrance.

Regards  
Jerry Taylor

## *The Physics Teacher's Rolodex*

The rolodex is where you keep your names and addresses handy. This column of the newsletter will be dedicated to listing sources for useful Physics teaching equipment and services.



THETA INDUSTRIAL PRODUCTS  
PO BOX 259  
MOUND MN 55364  
612-471-8569

Marbles, Wooden Balls >2", Wheels, Magnets,  
Bearings, Reflecting Film.

PROJECTOR RECORDER BELT CO  
Rt. 3, Highway 59  
WHITEWATER WI 53190-0176  
Rubber belts and drive wheels of all sizes mostly for  
Audio Visual Applications..Projectors etc.

OUTER <> PRODUCTS  
BOX 88  
LAFAYETTE HILL PA 19444  
Write them for the "The Journal of Academic T-  
Shirts". These folks sell all sorts of interesting "t-  
shirts"

MOUSER ELECTRONICS  
PO BOX 699  
MANSFIELD TX 76063  
1-800-346-6873  
Electronic Components, Knobs, Hardware, Tools, etc.

MARLIN P JONES & ASSOC  
PO BOX 12685  
LAKE PARK FL 33403-0685  
305-848-8236  
Surplus electronics equipment, motors, fans, blowers,  
meters, lenses ( Vortex Tubes \$50.00)

MASTER MAGNETICS, INC  
"THE MAGNET STORE"  
607 S. GILBERT  
PO BOX 279  
CASTLE ROCK, CO. 80104  
800-525-2526  
Stock and sell all sorts of interesting magnets and  
magnetic discovery kits.

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