

Special 1974 Summer Term  
 Course For Those Concerned  
 About Energy Problem

ET 498 "Introduction to Energy Sources"

Prerequisites: None. This course is designed for those with and without a science or engineering background.

Class - 3rd period M, T, W, Th, F (8 weeks)

Instructor - Assistant Professor C. P. Hary.

Text: ENERGY, ELECTRIC POWER AND MAN, by Timothy J. Healy.

The following is a quote from the Preface of the text:

"At approximately 5:16 p.m. on November 9, 1965, in a power station in Ontario, Canada, a protective relay opened to disconnect a transmission line carrying electric power to Toronto. This triggered a complex sequence of overloads and line disruptions which darkened neighboring regions within seconds. Within about twelve minutes 80,000 square miles and thirty million people in the United States and Canada were blacked out. The outage lasted from a few moments to over thirteen hours. Elevators and subways in New York stopped; air-traffic control systems failed; some hospitals lost power. Suddenly people learned what it meant to live without electric power. Some by candlelight, read forgotten books, and went to bed cold. The occasion inspired a number of jokes; a persistent but probably incorrect rumor that nine months later there was an abrupt rise in the birth rate, and a movie "Where Were You When The Lights Went Out?" starring Doris Day and Robert Morse.

Five years later and 3,000 miles away, on a Sunday in the

summer of 1970, 2,500 people met in a remote valley of southern British Columbia to protest the proposed flooding of the valley by a hydro-electric project. They picnicked; they listened to speeches against the project, and they heard a protest song written about that valley - Skagit Valley - by the noted folksinger and composer Malvina Reynolds.

How is a protest in a remote canyon in British Columbia related to a blackout in New York? For the student of today's problems, they dramatize the dilemma which is the subject of this book; man's need for energy, as opposed to the problems associated with generating and using that energy, as opposed to the problems associated with generating and using that energy. Man has succeeded, perhaps too well, in "taming nature," and he has come to realize that he must ask not only what he wants but what it really costs as well."

The Energy Crisis, what is it? Why is it? How can it be avoided? The above questions have been repeatedly asked in news broadcasts, committee meetings, newspapers, seminars, etc. This course will attempt to explain all of the questions by looking at fossil-fuel electric power plants, atomic fission power plants, geothermal power, tidal power, solar power, nuclear fusion, waste heat, and energy resources.

This course will not be a problem solving course per se. There will be some basic problems illustrating the principles involved. It will be conducted under a lecture/discussion format.

MUSIC

Ida Briscoe, soprano accompanied by Mary Fendrich will give a song recital on Thursday, May 23, at 2 p.m. in the Main Building Auditorium.

Miss Briscoe ( married to Nicolas Gressis a faculty member in Finance) is the daughter of the Lord Mayor of Dublin and studied in Ireland (Royal Irish Academy, Dublin) Italy (St. Cecilia Academy in Rome), and also in Greece (Academy of Music, Athens). She has appeared in leading opera houses in Rome, Naples, Athens and Dublin and has performed for radio and television in the United States as well as Italy, Greece, and Ireland. She has appeared in concert at Pennsylvania State University at University Park, Shippensburg State College and in New York.

Mary Fendrich is a student at the Eastman School of Music in Rochester, New York. She has performed as a soloist with the Harrisburg Symphony concert in "This is Jazz," December '71 and also as a soloist with the Harrisburg Youth Symphony, May '72. Miss Fendrich served as musical accompanist for Cedar Cliff musical productions and Cumberland County chorus productions. Presently, she is pianist for the East Pennsboro production of "My Fair Lady," and also a student of Merl Freeland of Lebanon.

The program will include songs from Madam Butterfly and the works of such diverse composers as Bassani, Mozart, Puccini, Verdi, and Mascagni. Also Irish folk songs from the Bunting Collection, Yorkston and Weatherly.

A Threat of War

Although the threat of war has declined slightly, the Sino-Soviet frontier is still the most dangerous area of the world today in the view of a Soviet expert recently returned from The Peoples Republic of China.

"The Chinese leadership honestly seems to believe the Soviets will attack them and they have convinced large numbers of their people of the reality of this threat," continues Dr. Aspaturian who heads the University's Slavic and Soviet Language and Area Center.

The Chinese, he found, look on Russia as one of the coterie of imperialist Western powers who have dismembered and humiliated them for centuries. As a result of what they regard as illegitimate Russian aggression, they currently lay claim to 500,000 square miles of Russian territory.

The Russians, on the other hand, remember the Mongol-Tartar conquerors from the East, and to them, Mao Tse-tung is Genghis Khan with a hammer and sickle.

"The danger of war has decreased, however," Dr. Aspaturian points out, "because China now has enough nuclear weapons to protect herself. The other factor is that the U.S. has sought a moderating role rather than trying to play off one side against another.

"But Watergate has moved Sino-Soviet relations into a period of uncertainty," Dr. Aspaturian warned. "If we are paralyzed and unable to make serious decisions in a time of crisis, it is more likely to increase the risk of war between China and Russia."

COUNSELING CENTER NEWS

New Test Study Guides

The Counseling Center has recently acquired new study guides for test preparation for the Graduate Record Examination, the Law School Admissions Test, the Miller Analogy Test and the College-Level Examination Program (CLEP). These study guides have been prepared by the Barron's Educational Series,

Inc. and include helpful hints for taking these tests as well as simulation tests for practicing skills.

These books are available in addition to the ARCO Study Guides already in service in the Counseling Center Library and are available to students on a two-week loan basis.

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Attention Juniors!!

Please be advised that if you wish to take the first Fall, 1974, test administration of the Graduate Record Examinations, the Admissions Test for Graduate Study in Business, the Law School Admissions Test, the National Teachers Examinations, the Test of English as a Foreign Language and/or any other test required for graduate school admissions, you should contact the Counseling Center on or about Monday, September 2, 1974 for registration applications for these examinations. Educational

Testing Service has not yet announced the date of the first Fall administration of these examinations, but since the arrival date for students for the Fall term will be September 28, 1974 it is quite possible and more than likely that several of the registration dates for the October and November 1974 administrations of these tests may have passes by the time you return to school and you might miss an opportunity to take these examinations and have to wait for the December, 1974, January or February, 1975 administration dates.

Test Dates To Remember

The following testing and registration dates for Graduate School examinations will be the last dates for the academic year 1973-1974. Applications for these examinations, as well as study guides for some of these tests, are available from the Counseling Center, W-117.

	Test Date	Penalty Date	Final Closing
GRADUATE RECORD EXAMINATION (GRE'S)	6/15/74	5/21/74	5/28/74
LAW SCHOOL ADMISSIONS TEST (LSAT'S)	7/27/74	-----	7/5/74
STUDY IN BUSINESS (ATGSB)	7/13/74	-----	6/21/74
NATIONAL TEACHERS EXAMINATION (NTE'S)	7/20/74	6/27/74	7/3/74
COLLEGE OF PODIATRY ADMISSIONS TEST (CPAT)	6/22/74	-----	6/5/74

Miller Analogy Tests (MAT'S) are administered daily, by appointment, in the Counseling Center, W-117.

On or about September 2, 1974, you can contact the Counseling Center either by calling 717-787-7757 (or 7733) or by writing directly to Educational Testing Services, Princeton, New Jersey 08540, and request the registration packet for the examination you wish to take. Miller Analogy Tests are not administered by the Educational Testing Service. The MAT's are administered daily, by appointment, in the Counseling Center Office, W-117. This test will be administered throughout the summer.

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Human 498 & Drama Club presents

A play production of

Moliere's

Tartuffe

May 23rd. 8 p.m.

in The Auditorium

Open Dress Rehearsal -

8 p.m. May 22.

Everyone is welcome

Admission is Free

ATTENTION

The Placement Center Newsletter will be incorporating information about summer job opportunities, etc.

Juniors are asked to pick up and review copies of this informative bi-weekly publication.

Copies are regularly distributed via the Roundtable and the racks at entrances to the main building.

