

# Idaho Power Will Build A Solar-Electric Model Home In Boise

Idaho Power Company said Wednesday it will build a "practical" home combining solar energy with a necessary electric source for cloudy weather to demonstrate an "economical" space- and water-heating system that will conserve energy.

The "energy-conservative" home, to be called the "Solectric," will be built on a site still to be selected in Boise as part of the utility's

continuing program that encourages adequate insulation and other means of energy savings.

W. H. Hanes, Idaho Power general customer service manager, said the "Solectric" project has two principal purposes:

1) To show customers that an energy-conserving home using alternate sources of energy can be built "practically and economically" in Idaho.

2) To show a solar-augmented system can be designed that will use substantially less energy than other systems.

Hanes said the home, scheduled for completion by late October, 1976, will use solar collectors as the primary source of heat and an electric heat pump as the auxiliary source to provide storage capability when the sun is not shining.

"Under present technology," he explained, "a building's system for space and water heating cannot be economically designed to use solar energy exclusively, but must be combined with a supplementary source such as the heat pump to provide a back-up form of heat storage at the site."

The on-site heat storage, according to Hanes could help to "brake" the steady rise in energy use because fewer customers would take

electricity from the company's system during cloudy weather when the solar collectors are inoperable.

Idaho Power will equip the "Solectric" home's system with "off-the-shelf" items, which Hanes said will make it different from several experimental solar projects now underway in the area.

"The state-of-the-art of producing electricity with solar energy is in its extreme infancy," he said, "but the heating of buildings is an established industry and the system items we will use are practical and proven items available to everyone."

He noted, however, that some inexperienced persons

are operating in the industry and cautioned customers to check on claimed performance levels.

Idaho Power has retained the architectural firm of Wilson Crowder, Boise, to design the home and to help select a site. The 1,500-square-foot home is expected to be of contemporary design with such features as three bedrooms, recreation area and two-car garage.

The University of Idaho's College of Engineering, headed by Dean Robert R. Ferguson, will help the company to measure the effectiveness of the solar-augmented system with extensive instrumentation.

Hanes said Idaho Power expects to sell the home after keeping it open for showing to the public for 3-6 months.

When the home is sold, the company will reserve the right to continue monitoring the efficiency-measuring instruments for at least five years.

Hanes said Idaho Power also plans to cooperate with Boise State University, Idaho energy agencies and the Electric Power Research Institute, Energy Research and Development Administration, Federal Energy Administration and other interested agencies by sharing the information it obtains from the demonstration home.

## My Neighbors



"True love will find a way!"

### TREASURE VALLEY COMMUNITY COLLEGE COMMUNITY EDUCATION SCHEDULE WINTER QUARTER — 1976

NUMBER	SEC.	CLASS	CR.	INSTRUCTOR	DAY	TIME	PLACE
PSYCHOLOGY & AWARENESS							
Psy 202 D		General Psychology	3	Kirkpatrick	TH	7:30-10:15 p.m. (Class starts Jan. 8, 1976)	AD-14
Basic principles and theories of behavior							
0.686 A		Applied Transactional Analysis	2	Murata	T	7:30-9:30 p.m. (Class starts Jan. 6, 1976)	AD-23
The course is a laboratory experience in human relationships in which the concepts of transactional analysis are practically applied to the human situation of the students. Students will learn to identify their own parent, adult and child ego states and through simulation, role play, and discussion, be helped to maximize the real self skills and minimize the phony self behavior.							
0.689		Learning, Thinking & Conditioning	2	Carr	T	7:00-10:00 p.m. (Class starts Jan. 6, 1976)	AD-14
Participants study a number of memory systems and their application. Class sessions will be concerned largely with drill and exercises designed to ingrain the systems.							
0.910 A		Poise & Self-Improvement	3	Goin	T	7:00-10:00 p.m. (Class starts Jan. 6, 1976)	AD-21
A course designed to teach methods and develop attitudes of personal development. Standards and techniques of personal grooming, diet, exercise, etiquette, speech, and personality will be taught. Students will be given guidelines for self-evaluation.							
<b>LANGUAGES</b>							
1.165 A		Conversational Spanish IV	4	Alvarado	MW	6:00-8:00 p.m. (Class starts Jan. 5, 1976)	LB-3
A course designed to enable the students to understand and use proper grammar in the Spanish language. At the same time emphasis will be placed on natural speech patterns.							
0.560.1 A		Conversational Japanese	2	Williamson	MW	8:00-9:00 p.m. (Class starts Jan. 5, 1976)	AD-26
The student will learn approximately 500 words, including some phrases and simple sentences. Emphasis will be on pronunciation.							
OL 61 A		Japanese Language II	5	Williamson	MTWTHF	9:00-10:00 a.m. (Class starts Jan. 6, 1976)	LB-3
A basic vocabulary will be mastered by students who will also learn pronunciation and conversational flow of sentences and everyday phrases.							
GL 51 A		First Year German II	4	Schmid	MWTHF	11:00-12:00 a.m. (Class starts Jan. 7, 1976)	LB-3
Designed to provide a thorough grammatical foundation and an elementary reading knowledge of German, as well as an understanding of the spoken language.							
0.564.6 A		Conver. Basque II	4	Echanis	MW	7:30-9:30 p.m. (Class starts Jan. 5, 1976)	TL-5
The student will increase his speaking and reading vocabulary to approximately 1000 words. Emphasis will be on pronunciation and conversational flow of sentences and phrases.							
<b>MUSIC</b>							
Mus. 197 B		Community Chorus	1	Daizell	T	8:00-10:00 p.m. (Class starts Jan. 6, 1976)	TL-4
0.522.2 A		Instrumental techniques	2	Hopper	TH	7:00-9:00 p.m. (Class starts Jan. 8, 1976)	TL-4
A basic violin class including classical, old time fiddling, and cajun methods depending on the interests of students.							
0.523.1 A		Basic Guitar	1	Rickle	W	6:00-7:00 p.m. (Class starts Jan. 7, 1976)	TL-4
Beginning instruction in guitar. Tuning, picking, chording, timing and music reading will be taught in a class situation.							
0.523.1 B		Intermediate Guitar	1	Rickle	W	7:00-8:00 p.m. (Class starts Jan. 7, 1976)	TL-4
For students who have mastered the rudiments of guitar. Class will concentrate on increasing skill in instrumental techniques, music reading, chord theory and application.							
0.523.2 C		Advanced Guitar	1	Rickle	W	8:00-9:00 p.m. (Class starts Jan. 7, 1976)	TL-4
Classical guitar technique, study of chords, roots, inversions, work on two and three part solo pieces.							
0.523 A		Banjo	1	Edwards	T	7:00-8:00 p.m. (Class starts Jan. 6, 1976)	TL-4
Students will learn frailing, hammering on, pull offs, slides, double thumbing, three finger picking techniques and some diatonic chord relationships. Instruction will be from tablature.							
<b>SKILL CLASSES</b>							
4.151 B		Introduction to Welding	4	Coleman	MW	6:00-10:30 p.m. (Class starts Jan. 5, 1976)	VT-4
This course is designed primarily for development of basic operative skills in oxyacetylene welding, brazing, and cutting, as well as electric shielded arc welding.							
4.152 B		Basic Welding	4	Rau	T-TH	6:00-10:30 p.m. (Class starts Jan. 6, 1976)	VT-4
This course is designed for development of electric shielded arc welding.							
3.100 A		Shop Procedures	3	Markee	MW	7:00-10:00 p.m. (Class starts Jan. 5, 1976)	VT-4
A course to teach the safe methods and procedures in working and maintaining an industrial or agricultural shop.							
9.111 A		Woods and Finishes	2	Magrini	TH	7:00-10:30 p.m. (Class Starts Nov. 20, 1975)	Hi Sch. Shop
This is a project class where students will construct a piece of their selection and apply a finish to it. Students will learn the nomenclature of the woodshop, machine and tool safety and identification of the common woods used.							
0.776 A		Auto Main. & Safety for Women	2	Wimpy	W	7:00-10:00 p.m. (Class starts Jan. 7, 1976)	VT-21
The student will be able to name, the components of the automobile and auto tools. She will also be able to start a car, change tires, adjust fan belts, and do seasonal maintenance, service the cooling system and battery, change spark plugs, light bulbs, air filters, oil, and follow a proper procedure in trouble shooting when, the carburetor or fuel pump malfunction.							
<b>PHYSICAL EDUCATION</b>							
0.582 A		Cross Country Skiing	2	Mickey	S	9 a.m. - 4 p.m. (Class starts Jan. 10, 1976)	
Basic and intermediate instruction will be given at several sites.							
0.582 B		Cross Country Skiing	2	Mickey	S	9 a.m. - 4 p.m. (Class starts Feb. 14, 1976)	
Basic and intermediate instruction will be given at several sites.							
0.582 S		Tennis	1	Johnson	S	10:00-12:00 a.m. (Class starts Jan. 10, 1976)	GYM
Class will be taught indoors.							
0.582 T		Tennis	1	Johnson	S	8:00-10:00 a.m. (Class starts Jan. 10, 1976)	GYM
Class will be taught indoors.							

0.580 B Physical Fitness (Women) 1 Pierce W 7:00-9:00 p.m. GYM  
(Class starts Jan. 7, 1976)

Participants will select among several physical activities including calisthenics, weights, volleyball and basketball. Sauna and shower facilities will also be available. No charge to participants.

PE 185 K Karate 1 Lee W 7:30-10:00 p.m. GYM  
(Class starts Jan. 7, 1976)

A Korean form of the martial art. The class will be taught by a professional instructor from Boise, Sook Lee.

PE 185 Q Square Dancing 1 Pettersen TH 7:00-10:00 p.m. W-8  
(Class starts Jan. 29, 1976)

0.582 C Hatha Yoga 1 Elliot M 7:00-9:00 p.m. Learning Center  
(Class starts Jan. 5, 1976)

**SOCIAL SCIENCE**

Anth 101 A Intro to Anthropology 3 McNeill MWF 9:00-10:00 a.m. PE-4  
(Class starts Jan. 7, 1976)

Survey of the archaeological record from the earliest known beginnings in Africa, the populating of the New World, the origins of agriculture, and the rise of civilization.

0.655.1 A History of World War II 3 Gaskill T 7:15-10:15 p.m. AD-7  
(Class starts Jan. 6, 1976)

Will include happenings prior to December 7, 1941. Will set the stage for involvement in World War II by the United States.

0.723 A American Issues Forum 1 Eskow T 12:00-1:00 Weese 2nd floor  
(Class starts Jan. 6, 1976)

A brown bag discussion program employing topic guides published by the National Endowment for the Humanities and the American Revolution Bicentennial Administration.

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0.721 A Political Education in Action 2 Crenshaw TH 7:30-9:30 p.m. AD-7  
(Class starts Jan. 8, 1976)

**WRITING**

0.546 A Fiction Writing 3 Rathjen TH 7:00-10:00 p.m. AD-23  
(Class starts Jan. 8, 1976)

A course taught by Carl Rathjen, an established author of two dozen novels. The class will study story structure and characterization. Participants will be urged to submit fiction work for critical reading by Mr. Rathjen.

0.544 A Freelance Writing 3 Miller M 7:00-10:00 p.m. AD-23  
(Class starts Jan. 5, 1976)

Students will select an article subject and develop it through the term to a potentially salable piece. They will learn techniques of querying, research, slanting, composition, interviewing, manuscript form and marketing.

**PHOTOGRAPHY**

2.225 Photo I 3 Bogard MF 7:00-10:30 p.m. LB-1  
(Class starts Jan. 9, 1976)

The student will learn the basic principles of photography, camera use, photo composition, darkroom developing and printing, and general photographic work.

2.226 Photo II 3 Bogard WTH 7:00-10:30 p.m. LB-1  
(Class starts Jan. 7, 1976)

Advanced studio and darkroom techniques. Work in composition, lighting, and processing directed towards informing through design.

2.227 Photo III 3 Bogard WTH 7:00-10:30 p.m. LB-1  
(Class starts Jan. 7, 1976)

Commercial Photography

0.540.1 A Photo Journalism 2 Allen T 7:00-10:00 p.m. LB-1  
(Class starts Jan. 6, 1976)

Acquaints students with the inner workings of journalism and advertising agencies, facets of advertising, different medias. Involves students in writing copy and doing layouts for different types of commercial journalism and public relations agencies.

**ART**

0.516.6 A Jewelry & Metalsmithing 2 Rynearson T-TH 7:30-9:30 p.m. ART  
(Class starts Jan. 6, 1976)

The student will learn the fundamentals of handworking nonferrous metals and be introduced to making jewelry and metal objects.

0.513.2 D Painting 2 McGuire S 9:00-12:00 a.m. Cairo  
(Class starts Jan. 10, 1976)

Students will work primarily in oil paint medium but may use acrylic, water paint or be involved in sketching.

Art 199 B Special Studies (Stained Glass) 2 Walters M 1:00-4:00 p.m. ART  
(Class starts Jan. 12, 1976)

Instruction in design and construction of leaded and stained glass windows and copper foil stained glass windows.

Art 199 C Special Studies (Stained Glass 2 Walters M 7:00-10:00 p.m. ART  
Advanced) (Class starts Jan. 12, 1976)

Advanced projects in stained glass designs.

0.512.4 A Calligraphy 2 Williamson MW 7:00-9:00 p.m. TL-2  
(Class starts Jan. 5, 1976)

The student will learn the simple forms of Roman, Bookhead, modern italic and chancery cursive lettering.

AL 199 B Japanese Calligraphy 2 Williamson T 7:30-9:30 p.m. AD-11  
(Class starts Jan. 6, 1976)

A basic knowledge of Japanese Calligraphy will be gained by students who will learn to write characters in an artistic sense. Proper utilization of printing brush will be emphasized.

Frame Making McGuire TBA TBA Campus

This is a project class in which participants will learn to make frames for mounting pictures, mirrors, etc. Students will cut their own frame stock, build the frames, cut mats and mount. The aesthetics of color and size in relation to the article to be framed will be discussed. Participants must provide their own construction materials.

Art 199 A Film History (Japanese Film) 2 O'Connell W 7:00-10:00 p.m. W-10  
(Class starts Jan. 7, 1976)

A study of the development of the film in Japan. A number of films by prominent Japanese directors will be shown.

AA 255 Ceramics 2 Jackson W-TH 7:00-10:00 p.m. ART  
(Class starts Jan. 7, 1976)

0.515.3 A Advanced Ceramics 2 O'Connell MT 7:00-10:00 p.m. ART  
(Class starts Jan. 5, 1976)

**AGRICULTURE**

8.478 B Basic Halter Training 3 McGrath T-TH 6:30-10:00 p.m. Girvin Hall  
(Class starts Jan. 6, 1976)

8.430 A Management & Training of the Working Stock Horse 3 McGrath S 9-12 1-5 Girvin Hall  
(Class starts Jan. 10, 1976)

0.812 A Survey of Agricultural Law 2 Denning W 7:00-9:30 p.m. AD-7  
(Class starts Jan. 7, 1976)

Many of the legal problems facing the agriculturist will be covered in the ten week course with local attorneys providing the instruction. Minimum enrollment required.