



January 26 – February 8, 1978

Energy House

With its well-deserved reputation as one of the cloudiest cities in the nation, Rochester probably wouldn't be expected to play a major role in solar energy research.

But Energy House, a solar-heated home soon to be open to the public on the RIT campus, is designed to show how much Rochester and other northern cities can expect to depend on the sun for their energy needs in the future.

Built as a joint effort by RIT, the Rochester Gas & Electric Corporation and the Rochester Home Builders' Association, this unique home will be available for public viewing starting Saturday, Jan. 28. Hours will be noon to 7:30 p.m. on weekends, and 9:30 a.m. to 1:30 p.m. Monday through Friday. Week-day tours must be arranged in advance by calling 475-2400.

Thirty-eight individual solar collectors are mounted on the southern-exposed roof of the nine-room, two and one-half bath home. They are expected to provide more than half of the home's space heating and domestic hot water needs.

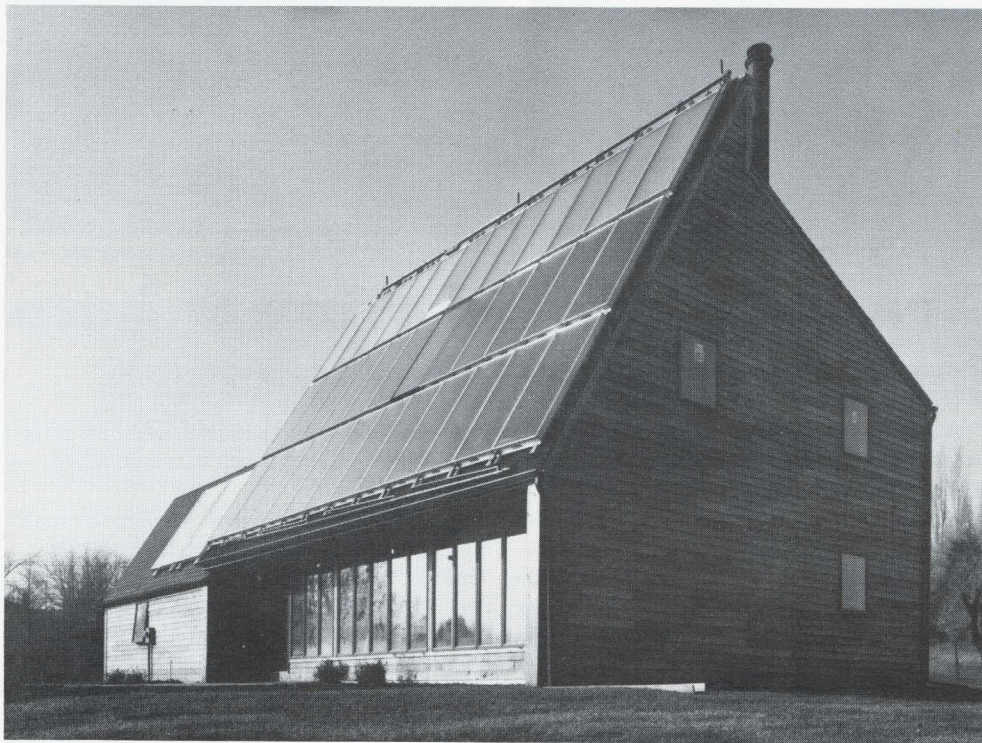
The prototype home had its roots in RG&E-funded research started in 1975 by Dr. Paul Wojciechowski, an engineering professor at RIT.

"Our research left some unanswered questions as to the feasibility of solar energy in this climate," Wojciechowski said. "We've built the house to see if we can answer those questions."

The home is designed to serve "a typical family with typical energy needs," according to Wojciechowski.

Its architect, John Fayko, AIA, of Rochester, describes the house as a contemporary New England salt-box. Like those colonial structures, Energy House's cubic shape cuts down on the exterior area exposed to Rochester's chilly winter wind gusts.

Since windows contribute greatly to heat loss, the cedar-sided house has only six small windows and two skylights on the north, east



Edlund sees 'Star Wars' as start of new movie era

Star Wars is only the beginning, predicts Richard Edlund, who headed the camera crew of 65 responsible for the special effects in the film which recently surpassed *Jaws* as Hollywood's top moneymaker.

Edlund talked about the development of the technology used to create the background representations in *Star Wars* as part of RIT's Moving Image series on Jan. 19.

Edlund believes we're entering a new era in filmmaking. Now that problems such as cumbersome matting and color correction techniques have been mastered, he sees no limits to the possibilities for special effects filmmaking.

"For *Star Wars*, we started out with an empty studio," he explained. "It took eight months of building and designing before we were ready to turn on the cameras.

"It's something like building a violin," he went on. "You work at putting it together, then you have to learn to play it.

"Five years from now, we may be looking back at *Star Wars* as an obsolete film with a special period charm."

Many of the special effects scenes in *Star Wars* were created by photographing models against painted backgrounds, a technique called "blue masking." It's been used before, but the results were poor. Edlund's crew

continued on page 4

continued on page 4

Scott assumes duties as director of business services

H. Donald Scott, former vice president of administration for the Serv-Rite Corporation, food service consultants, has been named director of business services.

In announcing the appointment, Jon L. Prime, RIT vice president for finance and administration, said that Scott will have general responsibility for the operation of food services, the campus bookstore, apartment housing, the ice arena, special events, purchasing, mail services, general duplicating, and Rochester Transit Services to the campus.

Scott also has served as associate director of administrative services at the University of Rochester for five years, and held various administrative posts at the University of Wisconsin and the University of Virginia.

"Mr. Scott's selection brings to RIT a combination of broad competence and experience that will serve the Institute well in the years ahead," Prime said.

Scott resides with his wife, Carol, and their three children at 33 Clarks Crossing, Fairport.



H. DONALD SCOTT

Academy Award-winner here for 'Moving Image' lecture

An Academy Award-winning director who also was film editor of the picture often considered the best American movie will speak here tonight as part of the Moving Image series of William A. Kern Lectures.

Robert Wise will discuss "The Roles of the Producer and the Director in Feature-Length Films," starting at 8 p.m. in Ingle Auditorium.

As a film editor, Wise worked on such famous films as *The Hunchback of Notre Dame*, *Citizen Kane* and *The Magnificent Andersons*. *Citizen Kane* is viewed by most critics as the best American film, according to Dr. Robert E. Golden, coordinator of the Moving Image series.

As a director, Wise won Academy Awards for best picture and best director of the year for *West Side Story* (1961) and *The Sound of Music* (1965). For both of these films he also won the Directors Guild of America Award for Theatrical Direction.

His other films include *Executive Suite* (1955), *Somebody Up There Likes Me* (1957), *Run Silent, Run Deep* (1954), *The Sand Pebbles* (1968), and *The Andromeda Strain* (1971). His most recent films are *Two People*, *The Hindenberg* and *Audrey Rose*.

During the last 20 years, Wise has not only directed his films, but has produced many of them as well. His lecture here will be based on his experiences in both roles.

Remaining lectures in the series will feature Martin Carr on Feb. 9 and Kenneth Mason on Feb. 16.

Carr, the producer-writer-director of such famous television documentaries as CBS's "Hunger in America" and NBC's "White Paper: The Migrant," will speak Feb. 9 on the role of the director's subjective view in the documentary and the importance of the documentary as a mode of social persuasion. Carr has won many awards, including four Emmys and three Peabody Awards.

"The Importance of Film for the Future of Entertainment" will be discussed Feb. 16 by Mason, assistant vice president and general manager of Eastman Kodak's Motion Picture and Audiovisual Markets Division. His talk also will include a discussion of future technical developments and their significance for television and other forms of entertainment.

All presentations in this series are free and open to the public. The Moving Image series is co-sponsored by the William A. Kern Program in Communications and RIT's Institute Forum.

SPECIAL EDITION MONDAY

The next issue of "News & Events" will be a special edition, planned for distribution on campus Monday, Jan. 30. It will contain material held from this issue due to production problems created by last week's storms.

NEWS & NEWSMAKERS

Andre Bessette, superintendent of buildings, has been elected to membership on the Labor-Management Committee of the National Council on Alcoholism-Rochester Area.

Dr. Judy Egelston Dodd, curriculum development specialist, served on an advisory panel in Washington, D.C. on Dec. 5 and 6 to assist the National Science Foundation in evaluating proposals submitted to the Physically Handicapped in Science Program.

Edward B. Stockham, director of the School of Health Related Professions, recently was appointed as a member of the Constitution and By-Laws Committee by the Board of Directors of the American Society of Allied Health Professions for a duration of two years.

Norm Wright, a former communications associate in Public Affairs and public information officer for NTID, has returned to RIT after spending nearly five years developing alcoholism services programs in the Finger Lakes area. He has re-joined Communications as assistant director of media relations/coordinator of internal communications.

Cynthia McGill, assistant director of Special Services, has been named director of the Higher Education Opportunity Program at Pratt Institute in Brooklyn, New York.

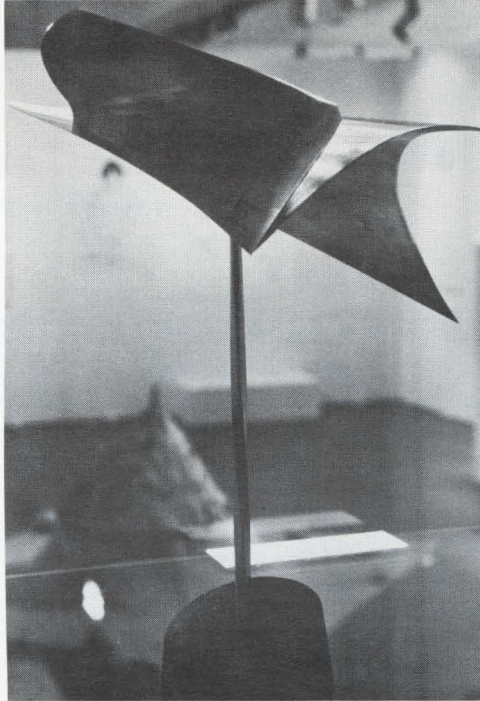
Dr. Thomas R. Plough, associate vice president for student affairs, has been reappointed to a three-year term on the editorial board of the *Journal of College Student Personnel*. His reappointment was announced recently by the Executive Council of the American College Personnel Association.

Art Berman, director of the Alcoholism Education Development Program in the Department of Social Work announced that the AEDP has received a grant from the NYS Division of Alcoholism to assist in the creation of a variety of education and prevention programs for college-age youth. Dr. Morton Isaacs, psychology department, will be working with the AEDP in an assessment of the need for services among the deaf and hard of hearing.

The NTID Student Congress will host the 33rd annual Eastern Athletic Association of the Deaf basketball tournament at RIT March 3-5.

John H. Hickman, chairman of Management Studies, College of Continuing Education, attended a meeting in January of the Yale University Committee of Continuing Education, of which he is a member, and the administration of the Yale Graduate School of Management, to plan a three-day conference on the Socially Responsible Corporation of Today and Tomorrow, to be held in June. This conference will be the first formal effort to offer a program of continuing education to Yale alumni.

Faculty displays work at Bevier Gallery



A sampling of the faculty art work currently on display in the Bevier Gallery.

The faculty of the College of Fine and Applied Arts is conducting its annual exhibition at the Bevier Gallery through Feb. 3.

More than 50 artists and craftspeople, including painters, printmakers, designers, pot-

Winter weather cancels speeches

An on-campus speech slated for Jan. 18 by Christy Bulkeley, editor and publisher of the Danville (IL.) Commercial News, fell victim to Rochester's wintry weather.

Bulkeley had been slated to speak here as part of RIT's International Printing Week activities. Her trip here was being sponsored by Gamma Epsilon Tau, the national graphic arts printing society.

Speech organizations said they will try to bring her back to Rochester for the School of Printing banquet this spring.

Bulkeley helped to organize the Rochester chapter of Women in Communications Inc. while serving as a reporter and editor for 10 years at the Rochester *Times-Union*.

Morton Goldsholl, scheduled to give the Reedy Lecture on Friday evening, also was snowed out. Plans are being made to reschedule his talk.

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ters, weavers, woodworkers and jewelers from the fine arts department and the School for American Craftsmen are exhibiting a variety of art objects demonstrating the diversified talents of the faculty.

Included in the exhibit are drawings by Professor Stanley H. Witmeyer, author and art critic, and an award-winning chalice in silver and brass by Professor Hans Christensen.

Max Lenderman, weaver, is exhibiting an eight-foot high fiber sculpture that recently was featured in the Halston Fashion Designers Christmas window display in Chicago. Sandra Schotlz, a new faculty member from Phoenix, Arizona where she has exhibited widely, is showing a large diptych in green enamel paints entitled, "Birth Series No. IV."

Jeweler Gary Griffin, a recent recipient of a Fellowship Grant from the National Endowment for the Arts, is showing five stone rings. And Dr. Robert Johnston, dean of the College of Fine and Applied Arts and noted paleo-ceramist, is displaying four photographs from his work during the past year at Babadhdn, Jordan.

Designer Joe Watson is showing four printed reproductions of color photographs used for this year's product introduction promotion for Bausch & Lomb's Ray-Ban Designer-Line Sunglasses by Halston.

Robert Cole is showing a large acrylic

painting; Tobi Miller, who recently had a one-woman show in Buffalo, is exhibiting work in acrylic and pencil; Bruce Sodervick, awarded a mural commission for the NTID Visitor's Center, is showing exploratory drawings for the 11 by 21-foot mural, and Sheila Wells is showing a pastel drawing entitled "Mirror Image 2."

The Bevier Gallery is located in the fine arts building and is open daily from 9 a.m. to 4 p.m., 7 to 9 p.m. Mon. through Thurs.; Sat. from 1 to 5 p.m. and Sun. from 2 to 5 p.m.

CONTINUING EVENTS

- to Feb. 14—Valentine Carnation Sale. CU Lobby
- Jan. 26—Blood Drive sponsored by Alpha Phi Omega CU Lounge
- to Jan. 27—Graphic Arts Research Center. "Color Seminar for Pressmen," centering on methods of controlling color in web and sheet-fed pressroom operations.
- to Jan. 28—MFA Photography Gallery. Non-silver images; a show of recent works by Jill Gussow, Mary McGarity, and Judy Natal.
- to Feb. 3—Bevier Gallery. RIT College of Fine and Applied Arts Faculty Show. Mon.-Thurs. 9 a.m.—4 p.m. and 7-9 p.m.; Fri. 9 a.m.—4 p.m.; Sat. 1-5 p.m. and Sun. 2-5 p.m.
- Jan. 27 & 28—CPA's Individual Income Tax. Ingle Auditorium, 8 a.m.-5 p.m.
- Jan. 29—Rochester Association for U.N. CU Lounge 4-8 p.m. & Ingle Auditorium 12-7 p.m.
- Jan. 29—Feb. 4—MFA Photography Gallery. RIT Professional Photography Show
- Jan. 30—New York State Trial Lawyers. Administration building, rm. 2000, 6-11 p.m.



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'Star Wars' continued from page 1



RICHARD EDLUND

refined the process, using tools such as a camera system capable of being programmed from numerous axes of movement, which repeated the identical movements enabling multiple exposures.

Edlund said the dogfight battle sequences—"where we had to situate a camera maybe 40 feet above the objects to be shown and then zoom in to make it look like starships in battle"—were particularly successful. But he says the most difficult scenes were the opening ones—showing a ship in space—because of the depth of field problems presented by the three-foot long model.

The popularity of *Star Wars* was a shock, Edlund said. He called the casting of Alec Guinness as Ben Kenobi "a master stroke," because it insured the film's appeal to all age groups.

He also revealed secrets about other members of the cast. There were several R2D2's for example, each one built to do different things. Inside the plump little robot was the smallest man in England.

Interior of Energy House planned for practical use

Planned for practical use by a real family is how decorator Arthur Vitoch describes the interior of Energy House, scheduled to open for public tours January 28.

That real family will be RIT Professor Paul Wojciechowski (who initiated the Energy House project), his wife and their two children. They will move into the house after the initial eight week public viewing period.

"Furniture and other design elements have been selected for practical use," Vitoch explains. "The living room has natural colors with modular seating that provides a very contemporary feel."

Furniture was donated by Bayles Furniture and art work throughout the house was contributed by RIT students and faculty.

Since there is no eat-in kitchen, the dining room is a focal point. It has a Parsons table and a natural fan light fixture of bleached palm. A vinyl floor, easily cleaned, was selected to handle the dirt tracked by visitors into the room, the starting point for tours.

The living room and den have a linen-colored berber wool, tight-looped rug that also is being used upstairs. It also was selected to accommodate the anticipated high traffic pattern. The walls have been painted off-white and the ceiling a pale blue to provide an atrium effect.

The natural staircase will feature woven enclosures produced by students and faculty from RIT's School for American Craftsmen.

The bathroom and laundry rooms are done in a batik print.

Contemporary graphics for one of the children's bedrooms are being donated by RIT students.

Overall, the nine-room (three-bedroom) house will provide a unique living experience for the Wojciechowskis, particularly unusual since the solar house is located in Rochester, a city not noted for its sunny days.

Energy House is located on the East River Road side of the campus. Tours can be arranged by telephoning x2400.

Energy House continued from page 1

and west sides. However, the south side of the home has a beautiful array of windows both for heat and light, as well as aesthetic value.

The home's interior, decorated by Arthur Vitoch, AD'69, has a contemporary flair.

However, it is the solar heating system that is triggering most of the interest in Energy House.

Two types of solar collectors are utilized. Thirty-six flat plate collectors help to provide space heating, while two tubular collectors are designed to heat water.

Water is pumped through the collectors, heated by the sun, and then stored in the basement until needed. A water-to-air heat exchanger is used to extract heat from the water and blow hot air through the ducts to the house. An electric heat pump also is used in the process.

An electric resistance heater and a boiler system have been installed as backup devices.

Energy House also has an elaborate insulation system designed to take full advantage of its solar heating properties.

Located in the garage loft is a laboratory where energy usage can be monitored.

"We're starting with a solar-heated home that is virtually a guaranteed success," said Wojciechowski. "Our goal is to determine how much of the home's costly solar heating and insulation devices can be removed in this climate while still keeping the heating system effective."

Energy House itself, including the solar energy system, is valued at approximately \$90,000.

The widespread interest in solar energy's potential is expected to trigger an avalanche of visitors to the RIT campus for the house tour. The Institute is expecting about 40,000 visitors to Energy House in the first year alone.

Donations of \$1 per person will be accepted.