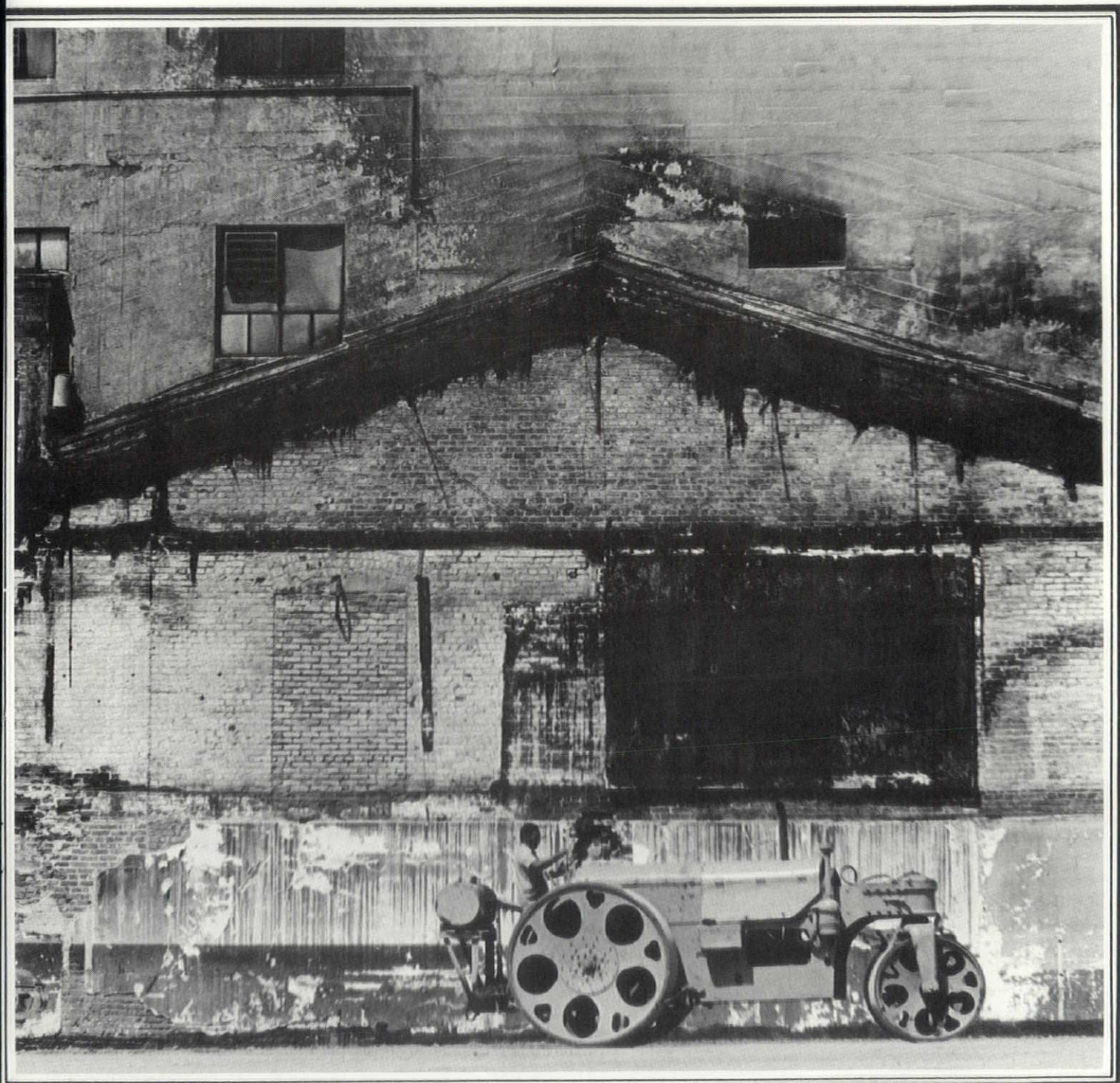


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September, 1978

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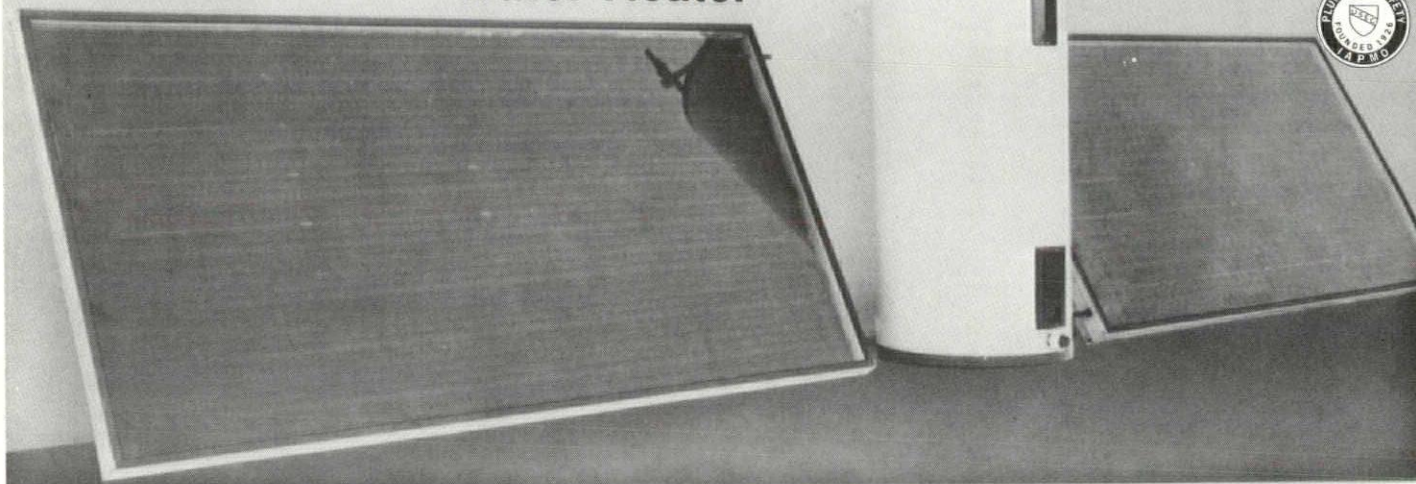
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Model HW-1



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3. Prepackaged electronic controls that are fitted on top of the storage tank.
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The Alten HW-1 collector panels, for example, come complete and ready for mounting. In addition, inlet/outlet piping is already in place. Just add piping from the tank to the collector.

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Alten solar water heater needs no more attention than a conventional water heater. Reliable, solid state electronic controls monitor and regulate the system at all times to take maximum advantage of the available sun energy.

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Commercial quality collector panels make the Alten HW-1 one of the most efficient systems available. The frame and absorber are made of strong, extruded aluminum; water passages are formed from a single, corrosion-resistant, 1/2-inch I.D. copper tube; and covers are 3/16" tempered, double-strength clear glass.

Automatic Freeze Protection

Since the Alten HW-1 is designed for mild climates, it does not use potentially troublesome anti-freeze or heat exchangers. Instead, a simple freeze protection circuit turns the pump on automatically if collector temperature falls below 36°F.

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large amount of hot water, your conventional gas or electric will "top off" the temperature as needed to ensure an adequate supply of hot water. There's also an electric heating element in the storage tank. It can be connected to allow use of the HW-1 without a separate backup water heater.

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Collector panels on the Alten HW-1 Solar Water Heater have a three year full warranty on parts and labor, and a ten year guarantee against internal leaks. The storage tank has a five-year warranty. All other components have a one-year warranty covering parts and labor. A complete warranty statement is available on request.

** Two other models of Alten Solar Water heaters are also available. Model HW-4 is a 120 gallon version (tank plus three Model 100G panels) and Model HW-3 is a 40 gallon version (tank plus one Model 100G panel).*

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Solar Panels: Two Alten Model 100G aluminum/copper collectors with tempered glass covers. Size (ea.): 92 3/4" x 46 3/4" x 4 3/4"; Weight: 180 lbs (dry). Complete with mounting brackets.

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Hawaii State Parks

by BILL GORST
Department of Land & Natural Resources
Division of State Parks, Outdoor
Recreation & Historic Sites
State of Hawaii



Lapakahi State Park looking makai over the stone walls rebuilt by archaeologists.

State Parks Responsibilities

The Department of Land and Natural Resources (DLNR) is the state's main land management agency and within that department, the Division of State Parks, Outdoor Recreation, and Historic Sites is responsible for a rapidly growing state parks program.

In keeping with the department's overall job, the State Parks divi-

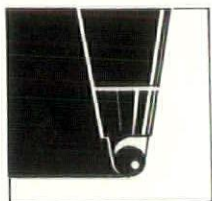
sion's main purpose is to protect natural and historic heritage values as well as provide resource oriented outdoor recreation opportunities of statewide significance. These heritage resources include such things as natural features of interpretive or scenic value, ecological habitats, and historic structures or features of cultural and interpretive value.

The outdoor recreation activities

associated with heritage and recreation resources include appreciation of natural and cultural features, passive enjoyment of the surroundings and nonorganized outdoor activities such as swimming, camping, and hiking in natural or historic settings.

In order to protect these recreation opportunities, a state park

Continued on Page 14



**BALLPOINT
Commentary**

Some Architectural Implications of a Literary Tidbit

by EMILY ZANTS, Ph.D.
Student Member, HS/AIA

The French novelist Marcel Proust, author of the monumental *Remembrance of Things Past*, is probably among the top six writers to have most heavily influenced the direction of current literary esthetics. As description in novels often deals with the way a character, i.e., person, functions or reacts in a given space, great novelists provide a logical source for the study of man and his environment.

Proust was writing the first volume, "Swann's Way," in the early 1900s at the same time that Freud was publishing his experiments on dreams. Though Proust apparently had no knowledge of Freud's research, his own discoveries about the subconscious are so closely related that one necessarily thinks

midnight, not knowing where I was, I could not be sure at first who I was; . . . I was more destitute of human qualities than the cave-dweller; but then the memory, not yet of the place in which I was, but of the various other places where I had lived, and might now very possibly be, would come like a rope let down from heaven to draw me out of the abyss of not-being, . . . in a flash I would . . . put together by degrees the component parts of my ego."

Proust goes on at length to demonstrate how essential recognition of a place is for a person's identity. Having started with the identity of the Self, Proust devotes the second section to the town's identity:

In the pages just cited lies an answer to the architect who has designed a "beautiful" building that the client did not appreciate in the least, for it was too different (it turns out) from anything with which he was familiar, only the client is incapable of analyzing his dislike—and loss of identity—and simply blames his unhappiness on the architect.

Now it follows that, if a person acquires his identity from spaces with which he is familiar, then the spaces play a major role in determining the kind of identity a person will have. This matter is not specifically addressed by Proust, to my recollection, but, if the analysis is valid, then the architect is faced

. . . "the architect is faced with the following dilemma . . . how does he incorporate the familiar to preserve identity and yet create something new that will generate constructive new relationships, a richer self . . . as a consequence of the new space?"

of the two together. Proust, however, may well prove more revealing to the architect, for the opening pages of his novel dwell on the importance of the room in respect to an individual's sense of identity.

The narrator is just awakening from a deep sleep, and has not yet regained full consciousness of his self. If his sleep was heavy enough to completely relax his consciousness, then, says the narrator, "I lost all sense of the place in which I had gone to sleep, and when I awoke at

"Combray . . . was only a church summarizing the town, representing it, speaking for it . . ." Again, the architectural structure provides the sense of identity, in this instance a social, rather than individual one.

Those were ideas published in 1913 by a neurotic writer; we can't take them seriously. Let's build a Pruitt-Igoe and see what happens to real people! Maybe we had better go back to Proust after all.

with the following dilemma, obvious even to a layperson: how does he incorporate the familiar to preserve identity and yet create something new that will generate constructive, new relationships, a richer self or selves as a consequence of the new space?

Finally, this literary criterion for a work of architecture: Would I enjoy living, working, or playing with the Self created by this architectural space? HA



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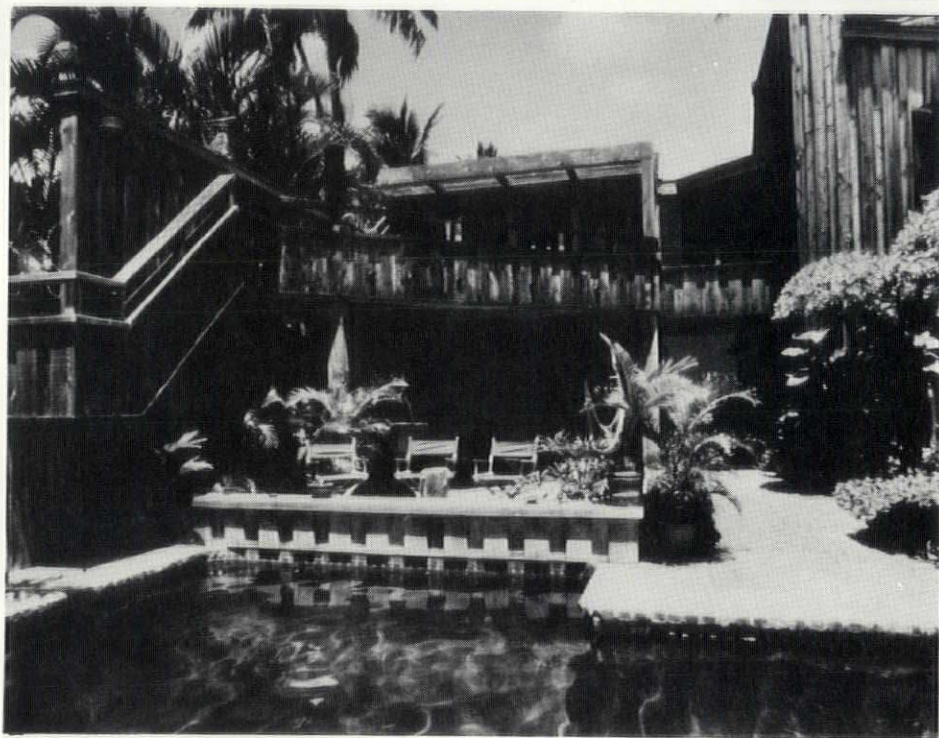


LAURELS

HS/AIA Honor Award Residential

Architect: Norman Lacayo, AIA

Kahala House



THE SITE

Long and narrow, 300' x 60', backing to the ocean. At one time there had been a house on the site, so there was full grown landscape existing. The site had a barely noticeable slope.

THE PROBLEM & SOLUTION

The lot was subject to storm drain overflow and occasional flooding. 1,500 cubic yards of earth was brought in and sculptured, also diverting the run-off from the house.

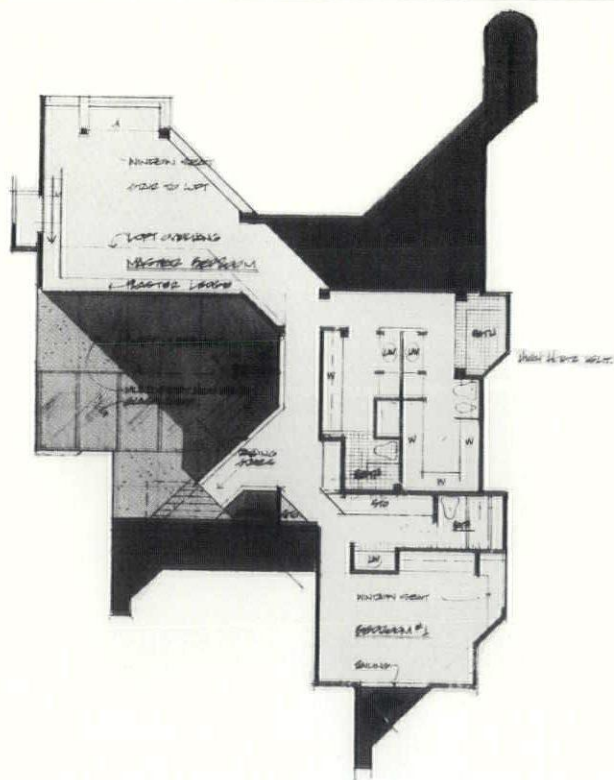
The owner's desire for privacy was easy to achieve partly because of the dense landscaping. The site plan shows how the garage creates a visual barrier from the street. The garage court separates the garage from the house.

The exterior of the buildings are all made to weather, and have done so, which makes the house look like it has been there a while.

The house is difficult to see from the court because of the landscaping. The entry path carves its way through the stand of trees, with the weathered copper front door at the end of a brick patio, which is kept a little mossy.

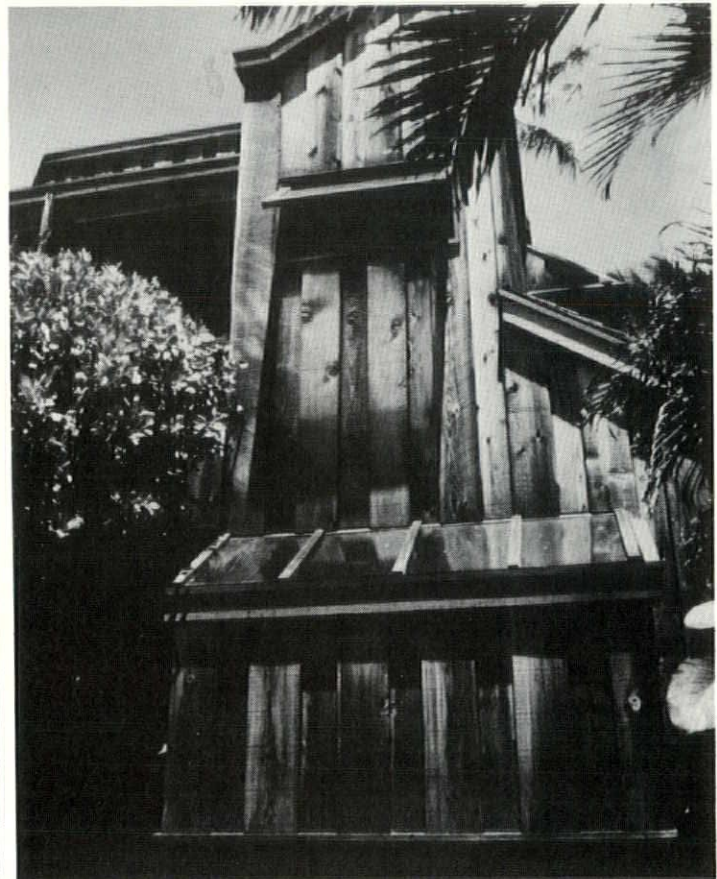
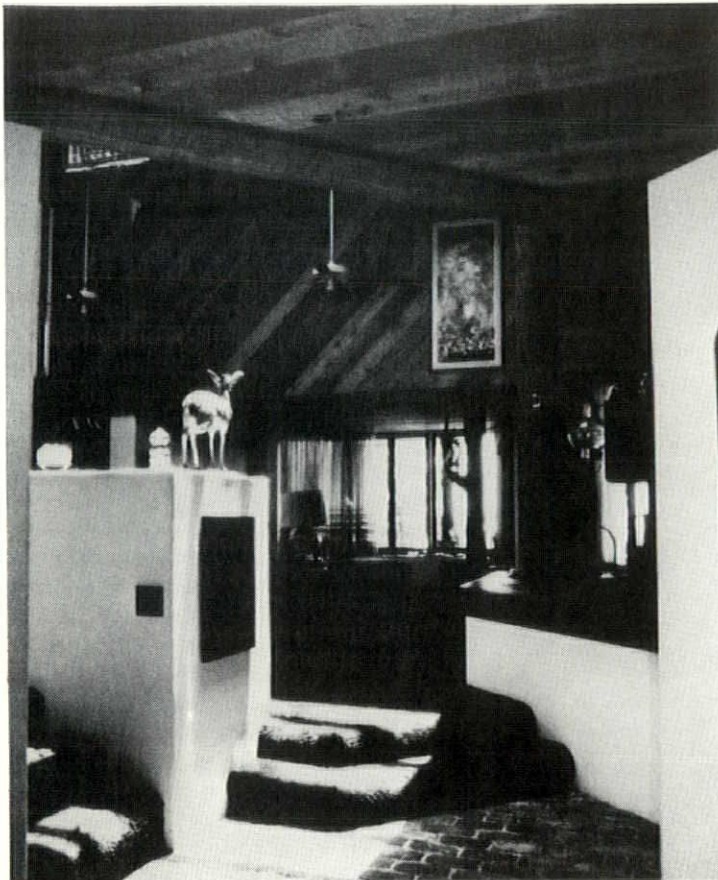
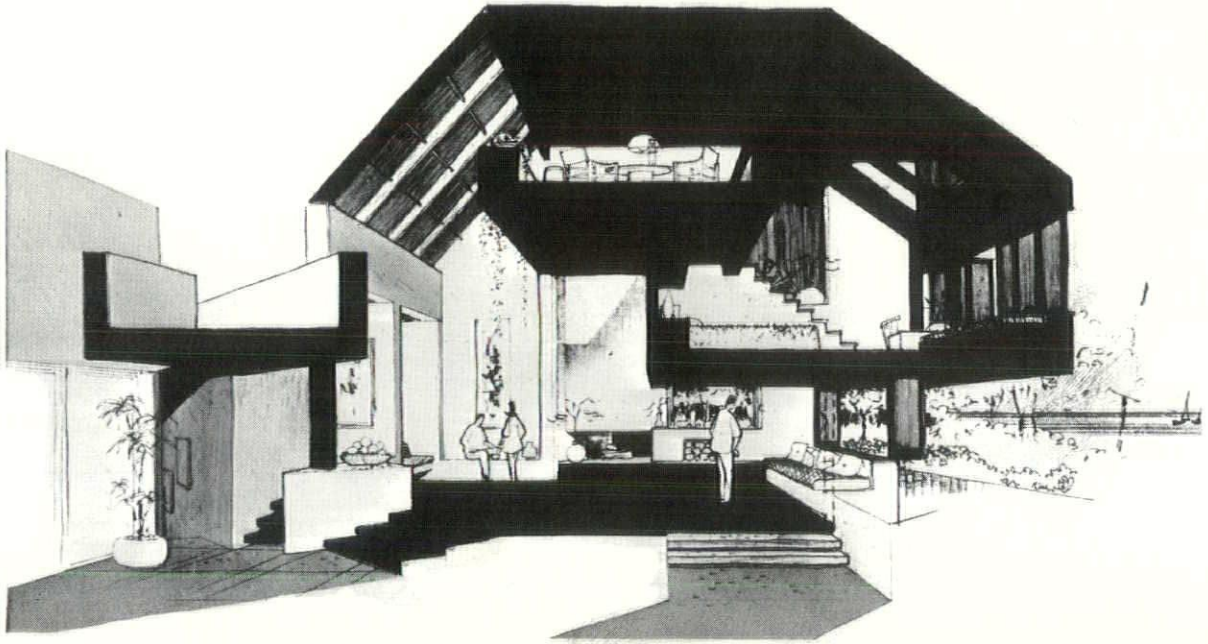
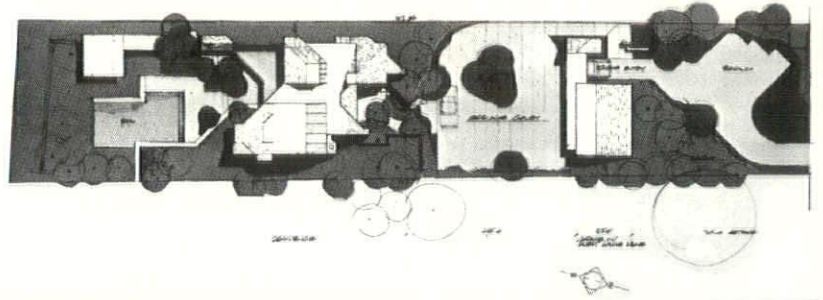
The entry is cool and inviting in its super sunny environment. The interplay of sculptured shapes and continuously flowing spaces becomes apparent after you take a few steps past the seven-foot-high entry. The spaces are dramatized by skylights, clerestory windows and antique leaded glass windows. The living room space is wrapped by stairs, a bridge-like second floor corridor, and third floor loft which opens up to the living room. This makes the main space exciting with the adjoining space sharing excitement.

The second floor has a guest room at one end and the master bedroom wing at the other. The working area is the loft which is the third level and is approached from the master bedroom.



HS/AIA Honor Award

Kahala House

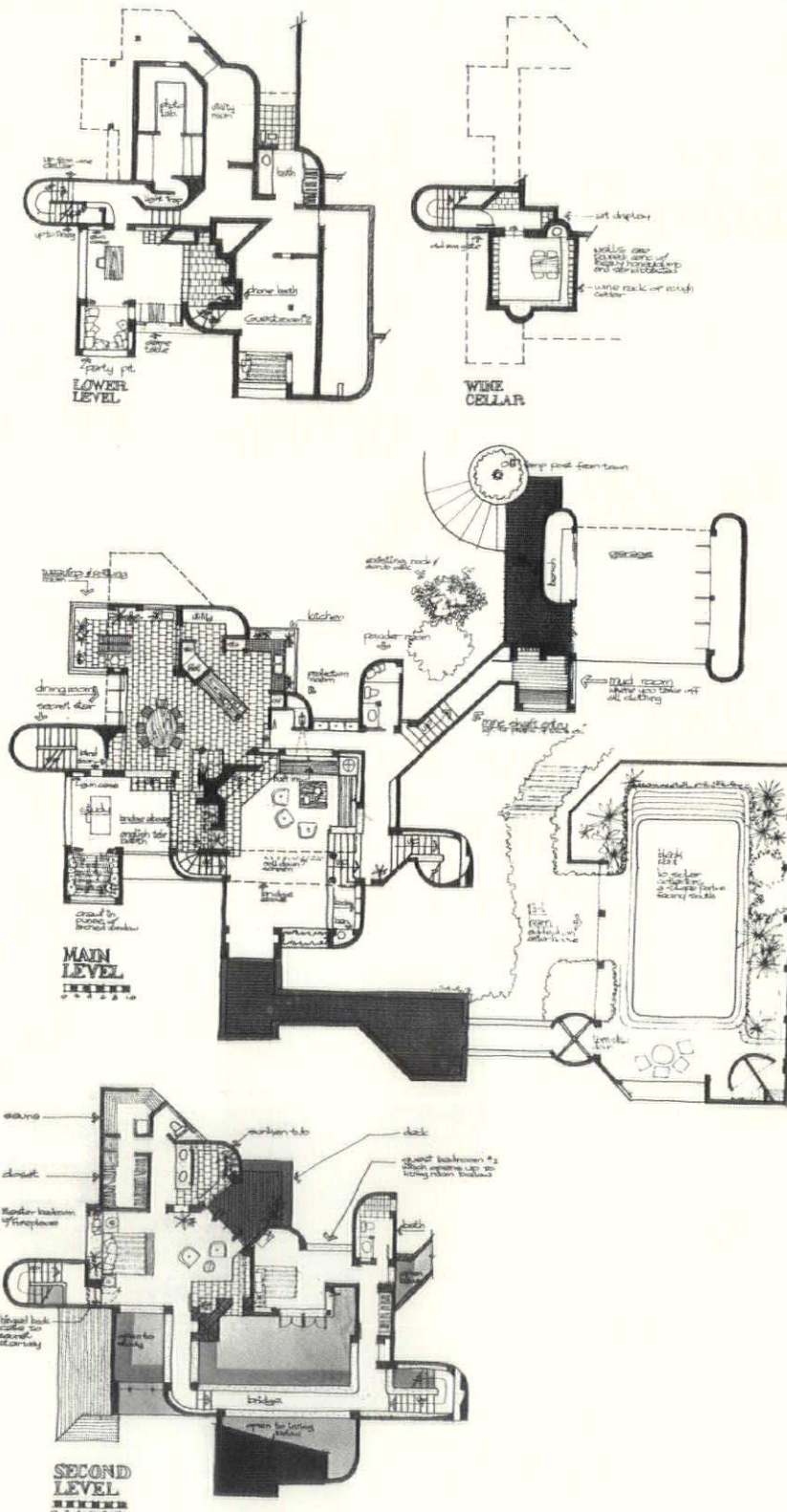




LAURELS

HS/AIA Merit Award Residential

Architect: Norman Lacayo, AIA
Colorado House



Description of the Site

This house was designed for a young bachelor who lives year round in Aspen, Colorado.

The site is part of a 90-acre estate and sits atop a knoll with aspen trees and open meadows near the base of a popular ski run. It enjoys long hours of sunshine in all seasons.

Description of the Problem

No problem—this was pure fun! The client wanted a toy for living in which he could enjoy his hobbies and fantasies. He wanted a design that would be in keeping with the site which is surrounded by the Rocky Mountains.

Since the owner is a man of varied interests—art collector, horses, swimming, photography, skiing, wine buff—all these interests set the design program. Asking to keep these interests in mind, he then gave free reign.

THE SOLUTION

The design of the house echoes the lines and angles of the hovering mountains surrounding the sloping meadows. The exterior materials are all weathering types, which now have the appearance of having existed for years, and make it blend in with the neighboring barn-like structures that date back to the turn of the century.

The building is not visible from the road, and is approached from the high side of the site. At this point the house has a very low profile. Not until you enter the Mud Room, through the connecting bridge, down a half-flight of stairs, are you aware that there is a large interplay of spaces, both vertically and horizontally.

Virtually every opening frames a spectacular view; from living room to sauna. The rooms are playful because of the bridges, niches, and the varied openings between rooms.

Although the building has 8,000 square feet, it sites well and does not offend the wilderness.

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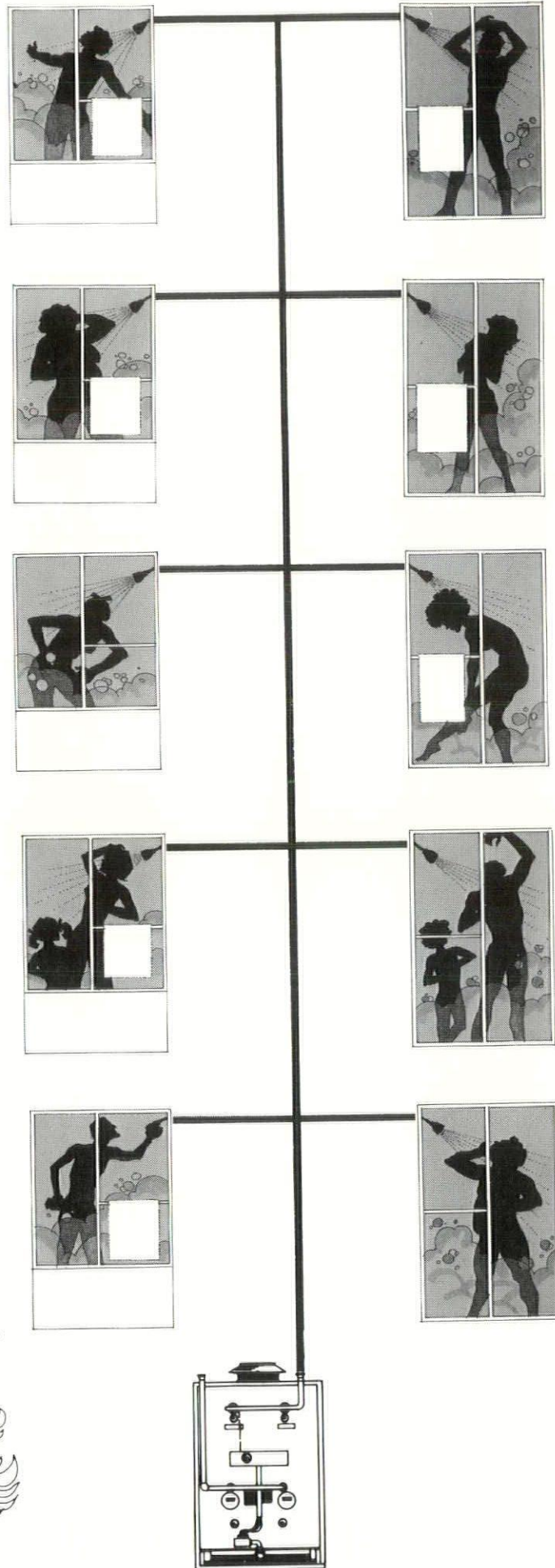
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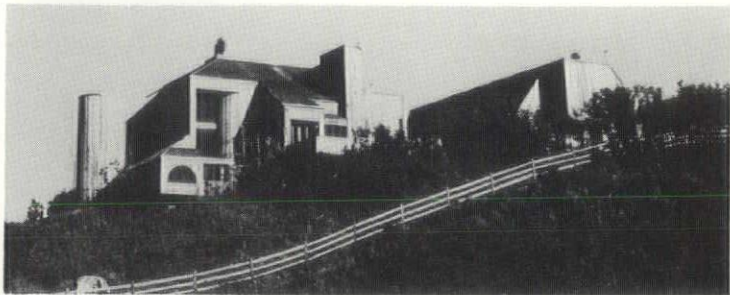


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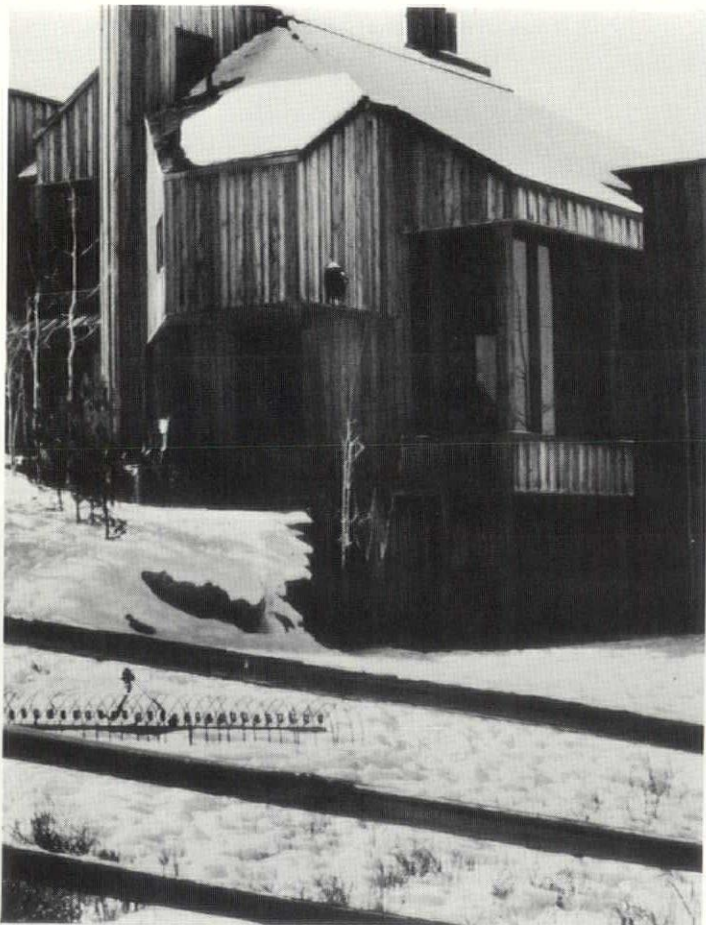
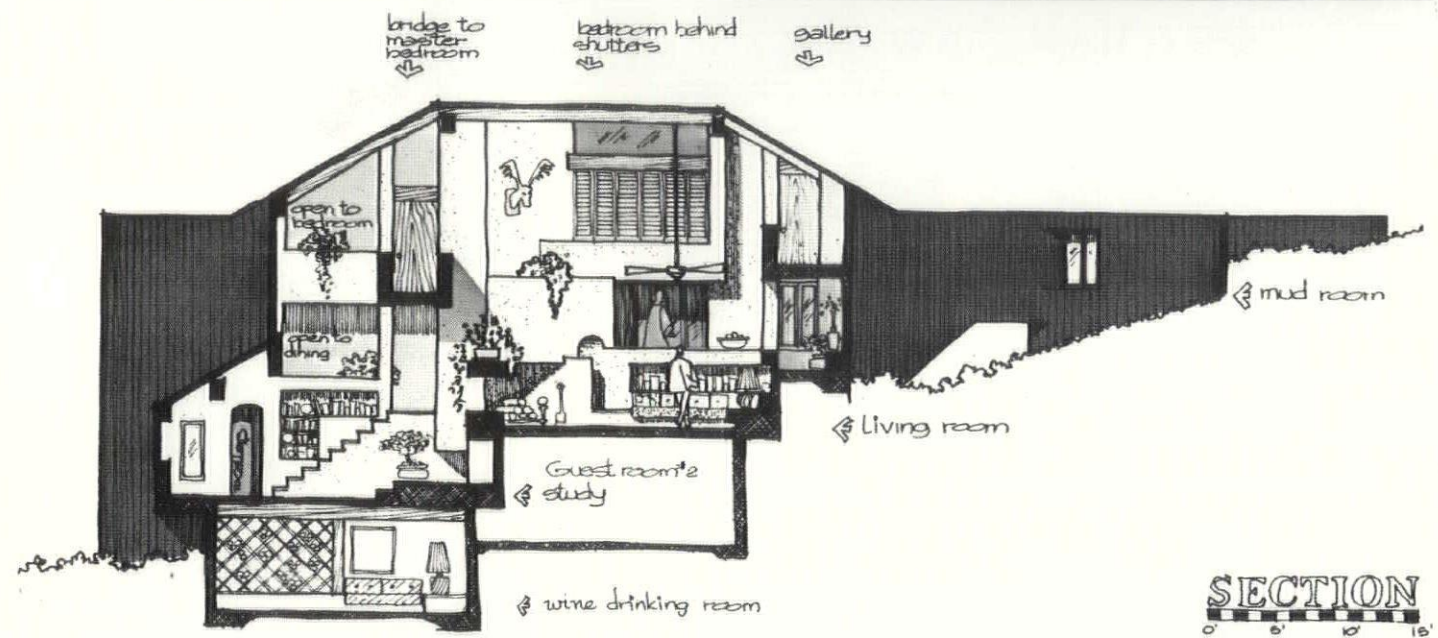


HS/AIA Merit Award

Colorado House



Continued from Page 11



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Hawaii State Parks

Continued from Page 5

usually encompasses and manages the recreation resource itself as well as the public use of this resource. Public facilities are limited to those required for public health, safety, and convenience as well as some interpretive devices and facilities to enhance the visitors' appreciation of certain features. Improvements to state parks can include trails, roads, shelters, restrooms, and interpretive displays.

In addition to supplying outdoor recreation opportunities of statewide significance, state parks may also fill gaps in regional outdoor recreation needs upon request. However, it is expected that a majority of these areas will eventually be managed by others.

Other Public Parks

The majority of Hawaii's public parks are provided by the counties. These parks are generally oriented toward the communities they are intended to serve, adjusting their recreation programs accordingly. They generally involve small intensively used land areas and often include game fields or courts for organized sports such as baseball and tennis.

There has never been a distinct

There has never been a distinct jurisdictional boundary between state and county parks . . .

jurisdictional boundary between state and county parks, however, and in recent years these jurisdiction boundaries have become increasingly blurred. Consequently, the 1978 Legislature passed a Senate Concurrent Resolution (SCR No. 97) "Requesting a review of the possible transfer of certain state parks to county jurisdiction by executive order."

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parks. Both Haleakala and Hawaii Volcanoes national parks focus on the natural values within their respective boundaries. On the Kona Coast of Hawaii, the City of Refuge National Historic Site preserves part of our Hawaiian heritage and further up the coast Puukohola Heiau National Historic Site was added to the national park system in 1972. The purposes of Hawaii's state parks and national parks are similar except, of course, the national parks are managing areas deemed to be of nationwide significance. National parks also place much more emphasis on interpretive programs; programs the state parks division would someday like to equal.

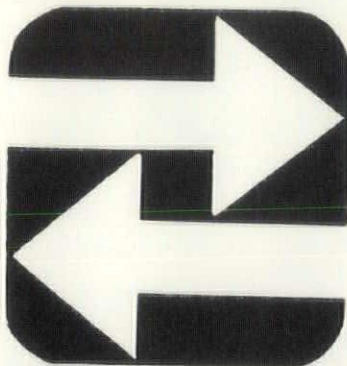
Types of Recreation Opportunities

An authorized Hawaii state park classification system, which followed the nationwide thinking of the 1950s, has never been fully utilized and this management tool now requires rethinking. Our present day focus on environmental protection suggests a stronger resource management approach. However, management for parks, as always, faces a built-in dilemma: resource protection vs. public use.

Current state park planning revolves around management planning for protection and public use of heritage and recreation values. In parks established primarily for their heritage values, resource protection must take priority over use. In parks where recreation use is the dominant concern, resources can be adapted to a much greater degree in order to maximize public use.

Large state park complexes usually offer combinations of these heritage and recreation values which follow. These values could be the basis for a new park classification system.

Continued on Page 19



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Hawaii Community Design Center Report

by William P. McKinley
Executive Director

The Hawaii Community Design Center report that follows covers it's planning and community efforts for the first half of 1978. The Hawaii Society/AIA supports HCDC by funding rent for the HCDC offices on the Fort Street Mall at \$240 per month. HS/AIA support has also been provided through the services of Charles R. Sutton, AIA, and Carl Saake.

In January 1978, ACTION, comprised of Peace Corps and VISTA volunteers, renewed its program with HCDC through January 1979. ACTION's present funding base provides for the salaries of two VISTA volunteers and a transportation contract to conduct HCDC client and site visits.

Presently, HCDC's board of directors is negotiating with the ACTION agency to expand its program involvement with HCDC. If this program is initiated, HCDC will be staffed with 10 VISTA volunteers in December 1978, to develop 50 community-based, energy cooperatives for the expanded application of alternative energy technologies and energy efficient conventional systems in low-income neighborhoods throughout the Hawaiian Islands.

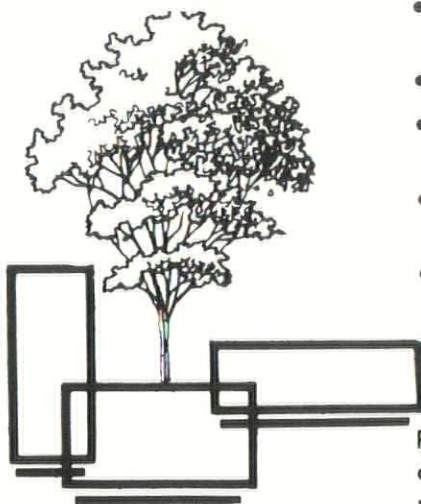
In March 1978, the Design Center received a grant for the employment of five CETA workers to provide design services to low-income individuals and community groups.

In June 1978, the Design Center received a grant from the Energy Research and Development Administration, U.S. Department of Energy. This program provides for the documentation and dissemination of information to the public of the most promising, practical, appropriate alternative energy technologies for their expanded application in the Hawaiian Islands.

In HCDC's effort to satisfy grant

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requirements, HCDC has sponsored the Hawaii Energy Symposium, an exhibit and demonstration of a variety of small scale technologies—solar, wind, aquaculture, and alternative building systems.

This exhibit was in place each Monday during the month of August in front of the AIA downtown office.

Department of Energy funding has also enabled HCDC to hire a full-time energy specialist to assist in the documentation of these technologies.

HCDC is presently expanding its role in the design and construction supervision of a variety of alternative technologies. A grant application for an expanded community awareness program is presently being developed for submission to the National Institute of Appropriate Technology in Butte, Montana.

In addition, HCDC's Earth Block proposal for the construction of an alternative materials and systems house is now before the mayor and the Department of Parks and Recreation of the City and County of Honolulu for review of potential sites for the facility.

HCDC has continued to solicit funds for its book "Build Your Own House in the Old Ohana Style." Presently \$833 has been made available for this purpose from the Youth Action Program. However, an additional \$1,100 is necessary to produce the program goal of 500 copies.

PROJECT LOG '78

7801 Stauffer House
7802 LOL Project
7803 Hawaiian Health Foundation
7804 Tukuafu House
7805 Astro Marine Lab
7806 Billy Carder
7807 Ward House
7808 Almeida Project
7809 Smith Street Drop-in Center
7810 Woo House
7811 Minimum House Prototypes
7812 Izawa House
7813 Friezell House
7814 R. Wolf House
7815 Seagull School House
7816 Waipahu Railroad Depot
7817 R.S.V.P. Fund Raiser
7818 Krause House
7819 Cleary House
7820 McDougall House

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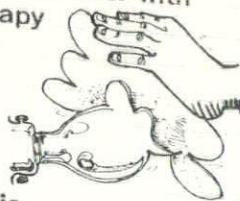
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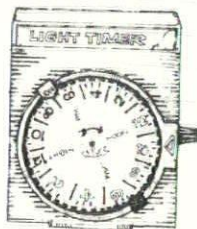
Keep them clean.

The lights you leave on all day or night for safety and security need your occasional attention. You can lose 30-40% of your available light if you let bulbs and fixtures get dirty. Give them the once-over with a cloth and soapy water, once in awhile.



Make them automatic.

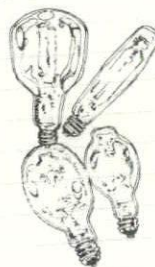
You can avoid wasting energy by making your security lighting system automatic. Photo-electric cells or timers will remember to turn the lights off (or on) even when you forget.



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cost more. But, because they produce more light per watt, and last longer, they give you more for your energy dollar.



Use electricity wisely.

When it's time to replace or remodel your present lighting system, don't use guesswork. Be certain on getting the most efficient system for your needs.



HAWAIIAN ELECTRIC

Hawaii State Parks

Continued from Page 15

Heritage Values

Natural Heritage—Hawaii's geologically recent volcanic origins display earth formation features of both scientific interest and public awe. Its isolation from other land masses and wide range of wet and dry climates have produced unique ecosystems. Natural features within state parks include Akaka Falls, Iao Needle, Waimea Canyon, and Fern Grotto.

Cultural Heritage—In addition to a fascinating written history, Hawaii has a rich archaeological record of its early Polynesian culture. Examples of our state parks include Iolani Palace, Russian Fort, Keaiwa Heiau and an early Hawaiian village at Lapakahi.

Scenic Heritage—Lush vegetation and steep palis often rising out of the sea offer unsurpassed scenery. Major scenic attractions include the Nuuanu Pali and Na Pali Coast state parks.

Recreation Values

Marine Recreation—While most beach parks serve community needs and, therefore, would logically be managed by county park systems, some coastal areas do offer outstanding swimming beaches, surfing, snorkeling, or diving areas of islandwide value. Such marine recreation values occur at Hapuna Beach State Park and undeveloped state parks at Mauna, Maui, and Makua-Kaena Point on Oahu.

Wildlands Recreation—Much of Hawaii's mountain area and considerable stretches of coastline are inaccessible by road and have little commercial value. Some remain largely primeval in character and are, therefore, part of our natural heritage but the majority of these areas are simply unmanaged natural appearing wildlands. Generally, state parks provide a gateway or hub of recreation facilities for this

Continued on Page 20

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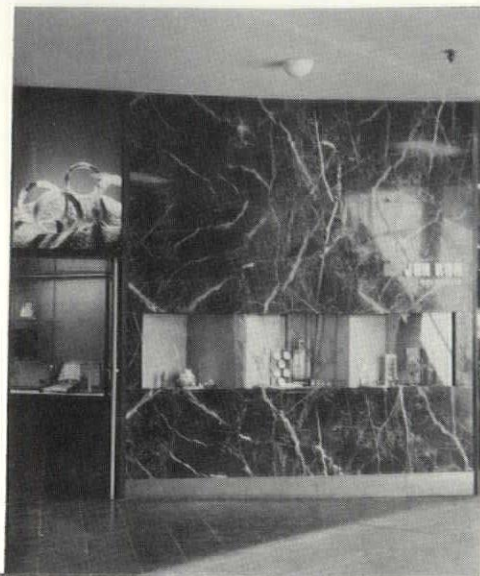
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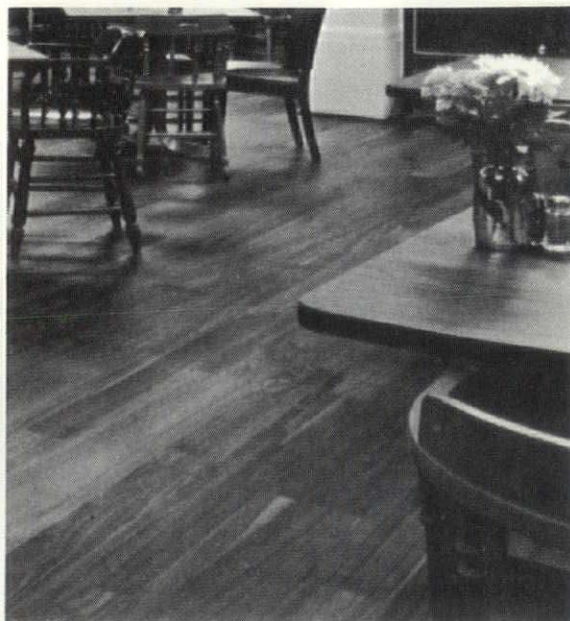


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Hawaii State Parks

Continued from Page 19

wildland but do not include the majority of the wildland itself. The Pohakuloa area in Mauna Kea

State Park, Waahila Ridge State Park and Kokee State Park are examples of this type of recreation opportunity.

Special Recreation—In this role, state parks may fill gaps in regional outdoor recreation needs demanded by the public but not being met by existing public agencies. Or it may involve recreation activities which require special areas such as snow slopes for snow play and special areas for motorcycling. Currently, the State Parks Division manages the slopes of Mauna Kea

for snow play but has no other existing programs in this category.

A Growing Program

Over the past decade, state parks have doubled both in number of parks and number of acres. Present commitments for future growth indicate the number of parks will increase at a slower rate in the future but the developed acreage will more than double as present parks are developed.

Existing State Parks in Hawaii
June 30, 1978

Island	Parks	Total Acres	Developed
			Acres
Oahu	23	8,247.2	151
Kauai	12	9,393.1	205
Hawaii	15	2,157.3	291
Maui	11	197.9	48
Molokai	1	233.7	10
Total Statewide	62	20,229.2	705

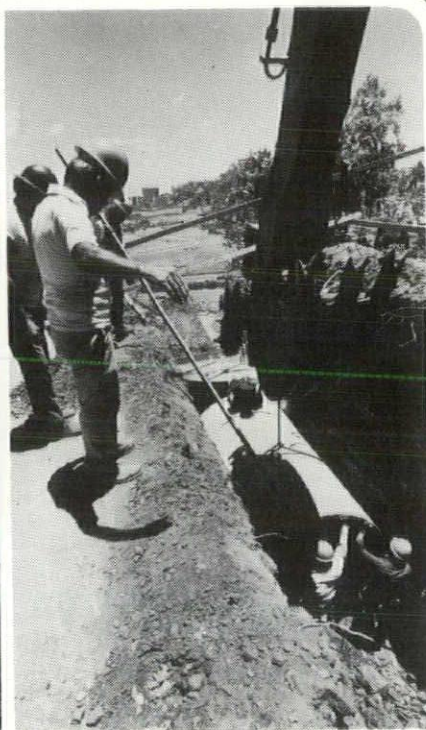
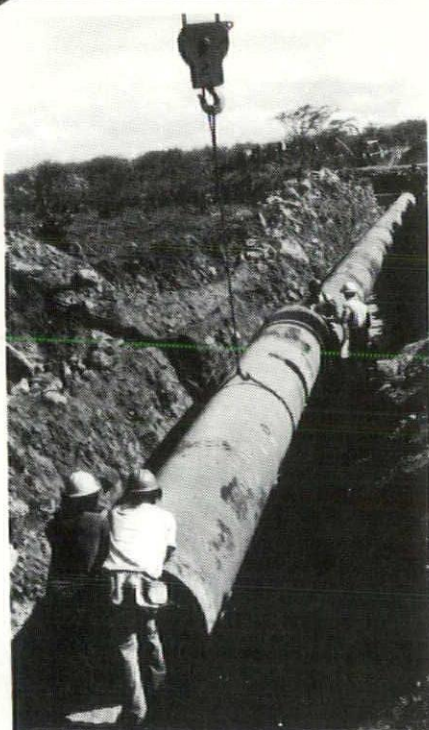
A greater awareness of state parks is expected in the next few years as major parks now being purchased and developed become operational on each island. This will be particularly true on Oahu where over half the state park development is expected.

At present 14 state parks under the governor's accelerated state park program on Oahu have extensive improvements underway. Some of these new parks include Waimanalo, Honolulu Stadium, Kaiaka, Diamond Head, Heeia, Sacred Falls, and Malaekahana. New approaches now being explored in presenting Hawaii's heritage values should also generate public interest.

Currently a "living park" development is being explored at Kahauna Valley State Park in order to preserve the historic, rural lifestyle of the valley residents while these remaining residents in turn help develop and operate the park and offer the visitor glimpses of their lifestyle. The fishing village on Mokauea Island in Keehi Lagoon may offer somewhat similar opportunities.

Reef areas on each island are now being evaluated as possible marine life conservation districts. These underwater parks will be similar to the very popular Hanalei Bay Marine Life Conservation District which was also established by the Department of Land and Natural Resources. HA

CONCRETE



Left: Installation of Water Transmission Line from Waihee to Wailea, Maui; under contracts to E. T. Ige Construction, Inc., General Construction Co., and M. Sonomura Contracting Co., Inc. Right: Installation of Subdivision Relief Drain at Moanalua Gardens, Oahu, by Royal Contracting Co., Ltd.

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Submit to P.O. Box 1658, Honolulu, Hawaii 96806, or phone Phyllis G. Fox, executive director, 537-9564, for further information.

Mahalo

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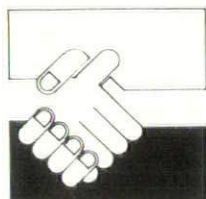
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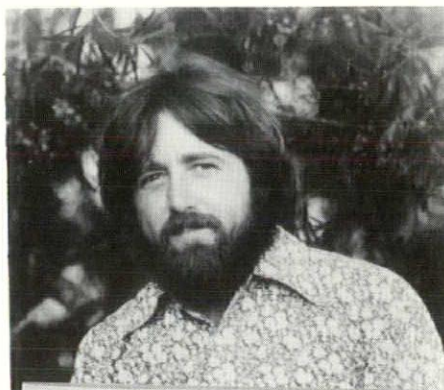
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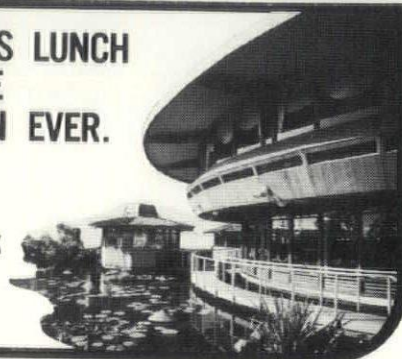
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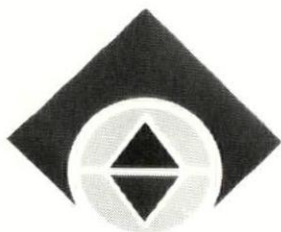
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