



BIGGEST STORY — One of the 10 top stories for 1962 was the stock market's \$20.8 billion break on May 28. Here, porters on the New York Stock Exchange are sweeping up piles of ticker tape after a dramatic day of trading. — UPI Telephoto

'Large Heart' May Benefit Future Travelers In Space

MADISON, Wis. (UPI) — Men with "a lot of heart" may be better suited for space travel than others, a University of Wisconsin Medical School pathologist indicates.

A man with a large heart and more numerous and bigger blood vessels and cells can better adjust to the low oxygen pressure found at high altitudes, Dr. Enrique Valdivia said.

"Should the oxygen pressure suddenly drop in the next astronaut's space ship," he said, "he would have a better chance of surviving if his cardiovascular system were so constructed."

Otherwise an astronaut might become headachy, nauseous and out of breath. His toes and fingers would begin to tingle. He would probably even become too weak to move if the pressure dropped to half the 760mm of mercury found at sea level.

Researchers now may have solved the puzzle of how the mountain Indians of Peru and Chile manage to work so hard and avoid disease in the thin mountain air.

Studies indicate these Indians have unusually large hearts and huge "barrel chests" not found in coastal dwellers.

The same factors that help the Indians adjust to the high altitude may also help future astronauts in space ships.

To study how these adaptations develop, Valdivia and his associates have been studying guinea pigs who grow up in a low pressure environment.

They found that the animals who are native to the mountains of Peru have many more capillaries in their muscles than lowland species. Capillaries are the tiny blood vessels which help carry oxygen to body tissues.

The pathologist said, that even though these mountain animals have less available oxygen, the greater number of capillaries are able to carry enough oxygen to the tissues. Thus normal activity is permitted.

The next step was to find out how non-mountain animals adapt to high altitudes.

The research team set up a special pressure chamber in their UW laboratory which reproduced the high altitude environment of the Peruvian mountains. They discovered the right ventricle of the heart enlarged. This part of the heart pumps blood to the lungs. Valdivia concluded that high blood pressure in the lung's vessels means extra work for the heart's pump. The strained muscles of the right ventricle must expand to do their job properly.

Later studies showed that as the animals "climbed the mountains" of the pressure chamber, their capillaries began to increase.

Changes in the animals' muscle cells were also found. These cells contained a greater number of mitochondria than those control animals who were left "at home." Mitochondria are the cell powerhouses which convert body fuel to chemical energy. Thus, high altitude animals have more energy available.

The doctor's latest research indicates that the blood itself responds to low pressure. Red blood cells, which carry oxygen, increase in number and size, apparently to help them operate more efficiently.

All these factors — high blood pressure, strain on the right side of the heart, oversized blood cells — offer clues to further heart research, Valdivia said. He is now seeking the relationship of these factors to heart failure.

His present studies are supported by the UW Research Committee, Wisconsin Heart Association and National Institutes of Health.

Good Books

United Press International
Credos And Curios, by James Thurber (Harper Row, \$3.95): "Credos and Curios" is a title found among the papers of the late author, along with a tentative table of contents for what would have been his next book. It is not certain that title and table were meant to go together, but far that is, as the projected contents of the new book exist. At least four pieces, Thurber meant to include were (alas!) never written. The 21 items in this book include humor, nostalgia, satire which is sometimes biting, and touching tributes to contemporaries Thurber admired. Like every Thurber collection ever published, this is an assembly of items which reflect the workings of a brilliant, remembering and inquiring mind.

A House Divided, by Rep. Melvin R. Rogner (McGraw-Hill, \$3.95): Laird, R-Wis. Laird, chairman of the House-Senate Committee on Republican Principles and Policy, analyzes the foreign and military problems comprising the crisis which the nation faces. He concludes public discussions are desperately needed to form a public strategy toward a world with peace and justice. Foremost among the principles he submits for consideration is the conviction that the risk of death is secondary to the threat of losing "a quality of life, a moral order and a divine creation."

Shela by Aubrey Menen (Random House \$3.95): This is Menen's 11th book. It is a savagely funny and highly topical satire on the pompous pretensions of life not only in the cold war world but in heaven as well. Menen envisions a situation in which there are rival claimants for the title of Dalai Lama. One is endorsed by the Communists, so of course the West must support the other. Since the Red nominee for priestking of Tibet is a healthy young man and the western protegee is an attractive young woman it is at once apparent that politics will not be the only factor in their relationship. Into this situation comes the original Gautama Buddha, descending from his heavenly Nirvana to brief both Lamas on the progress toward artificial creation on life. The targets Menen's slashing wit include several religions, diplomacy, the United Nations and the "emerging nations" of Africa.

The Evolution of an Architect by Edward Durrell Stone (Horizon, \$15): In a brief autobiography, splendidly illustrated with photographs and drawings, America's most famous architect tells of his historic career beginning with a barefoot boyhood in the Ozarks. After making a name for himself with buildings in the International Style, best represented by his Museum of Modern Art in New York, Stone created his own style based on Classic and Oriental principles that found favor all over the United States and in a dozen countries abroad.

The Fabulous Country edited by Charles Laughton (McGraw-Hill \$6.50): The eminent actor is equally good as author, writer and editor. The stories, articles and poems selected as "word pictures" of the United States give a captivating and nostalgic view of the wide country through which he has traveled as actor and lecturer. Laughton's brief introductions to each item are every bit as good—and in some cases, even better—than the material he introduces. Authors range from George Washington to Jack Kerouac, from George Ade to Ogden Nash and Dylan Thomas.

INDEPENDENCE, Mo. (UPI) — The "S" in the name of former President Harry S. Truman is a proper name, not an initial. Therefore, it is not followed by a period.

"My grandparents were named Shipp and Solomon," Truman explained. "My parents couldn't decide on either for a middle name for me, so they compromised."

"They made my middle name S, nothing more. It's a proper name so it doesn't need a period."

"You'd think that after all these years, people would learn how to spell my name."

TRAVELS WITH CHARLEY — John Steinbeck
O YE JIGS & JULEPS — Virginia Cary Hudson
THE ROTHSCHILDS — Frederic Morton
MY LIFE IN COURT — Louis Nizer
LETTERS FROM THE EARTH — Mark Twain, Ed. by Bernard de Voto
THE BLUE NILE — Alan Moorehead
SEX AND THE SINGLE GIRL — Helen Gurley Brown
FINAL VERDICT — Adela Rogers St. Johns
THE POINTS OF MY COMPASS — E. B. White
THE PYRAMID CLIMBERS — Vance Packard
RENOUR, MY FATHER — Jean Renour
A STUDY OF COMMUNISM — J. Edgar Hoover
HAPPINESS IS A WARM PUPPY — Charles M. Schulz

Best Sellers
(Compiled by Publishers' Weekly)

FICTION
SEVEN DAYS IN MAY — Fletcher Knebel and Charles W. Bailey II.
A SHADE OF DIFFERENCE — Allen Drury
FAIL-SAFE — Eugene Burdick and Harvey Wheeler
SHIP OF FOOLS — Katherine Anne Porter
THE THIN RED LINE — James Jones
WHERE LOVE HAS GONE — Harold Robbins
WE HAVE ALWAYS LIVED IN A CASTLE — Shirley Jackson
GENIUS — Patrick Dennis
THE PRIZE — Irving Wallace
DEARLY BELOVED — Anne Morrow Lindbergh
ONE HUNDRED DOLLAR MISUNDERSTANDING — Robert G. Heber
THE REIVERS — William Faulkner

NONFICTION
TRAVELS WITH CHARLEY — John Steinbeck
O YE JIGS & JULEPS — Virginia Cary Hudson
THE ROTHSCHILDS — Frederic Morton
MY LIFE IN COURT — Louis Nizer
LETTERS FROM THE EARTH — Mark Twain, Ed. by Bernard de Voto
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United States, he said, explaining his snappy comments on current affairs. "The President is the only man who has all the information necessary to make the decisions. He'll make the right ones."

Truman, however, did allow himself one additional comment on the current world situation:

"If we want to, we can take care of Cuba anytime."

Then he settled back in the cushioned leather chair behind his massive desk in the Truman Library and gazed through the window at his private office. Outside, a gentle snowfall obscured the view but added an aura of peace to the surroundings.

Truman turned quickly when asked to name his most difficult decision as president.

"Korea," he answered without hesitation.

The single, harsh word added more emphasis to the statement than the sound of his right fist popping into his left palm when he said it.

His face sobered and he looked back at the falling snow, as if recalling the bitter cold American soldiers endured in Korea.

"Korea could have started a third world war," he said.

"That's why it was the most difficult decision."

Compared with Korea, his decision to launch the nuclear age was easy, Truman said.

"That was no trouble at all," he said. "It was a military proposition. It ended a war. It was used only twice."

"But look what nuclear power has accomplished in peacetime uses. Now we have nuclear powered ships."

"In the long run, nuclear science is the answer to all the world's power needs."

Truman recalled the development of the first atomic bomb, the manpower that went into it and the expense.

"That bomb weighed only 13 pounds," he said, "and it cost \$200 million per pound."

"Do you think private industry would have or could have spent that kind of money to develop nuclear science?"

"Except being a bit thicker in the waist than when he left the White House, Truman appears little changed by 10 years as a private citizen.

He still walks with the springy step; his eyes still snap behind the steel-rimmed spectacles; and he still smiles with the friendly warmth that inspired the "Hi Harry" homecomings of a past era.

The former president believes he has gained his wish to become a plain citizen of Independence.

"When I take a walk here nobody pays any attention," he said. "I walk where I'm going, swing my arms and get my exercise. That's that."

"I've always walked a lot. It's the best exercise in the world — the only sensible exercise for a man past 40. A man over 40 goes out and plays tennis or golf just isn't sensible."

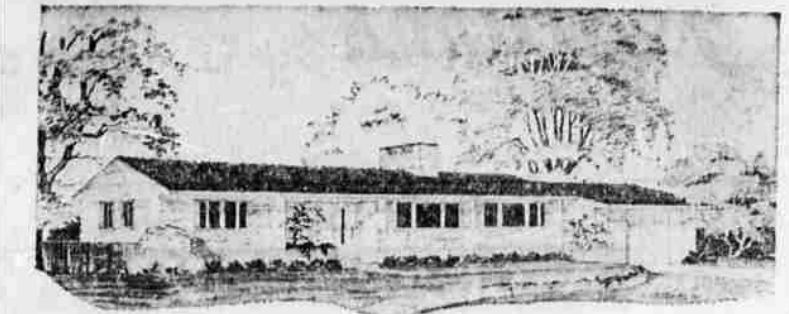
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Home Makes Fine Setting For Activity

This rambling ranch design with recessed entrance, planter box, and attached garage affords a setting for planting that truly makes it an integral part of the site.

Living-dining room is from front-to-back in the center of the home. A magnificent fireplace is featured plus plenty of windows for good day lighting. This area provides a variety of furniture groupings.

Here, indeed, is the activity center for the whole family as well as being ideal for entertaining guests. Easy accessibility to the terrace is a must for those summer months.

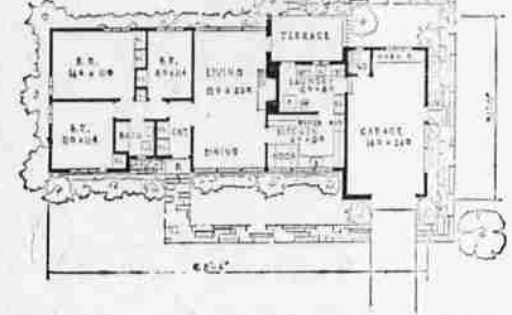
Highly efficient is the "L" designed kitchen and adjacent utility area with side entrance plus another opening onto the terrace. This area is the home's pivot point, commanding both indoor and outdoor activities, truly saving the homemaker steps.

On the opposite side of this home zoned away from the daytime activities is the sleeping wing. Privacy and quiet prevails here. Three good sized bedrooms with high window placement ideal for furniture groupings. A full bath services this area.

A work bench is featured in the garage with additional storage space—plus a lavatory which services the activity and work areas.

This home can be built with or without a basement — just another feature that makes this an outstanding design!

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Special Knack Needed To Aid Problem Room

CHICAGO (UPI) — What do you do about the "problem room" — the one that is too small, too large, too narrow, or has irregular-size walls.

If the room is too small, the Seng Furniture Co. here recommends using draperies the same color as the walls, or with small-colored patterns. Stick to light colors of blue, yellow, tan or blue-grey. And use the same color on the ceilings.

For the small room, scaled-down furniture and beds minus footboards are ideal. Concentrate on small pictures and lamps.

For that too-large room, select a large pattern for either draperies, upholstery or wallpaper, but use only one large pattern to a room. Use warm colors and darker shades on the walls. Consider using over-size or twin beds, separated by a generous-size night table or chest. Large-patterned rugs, larger pictures and wide lampshades also are in order.

If your problem room is too narrow, paint the long walls. Paper one of the shorter walls in bold colors or with horizontal-striped paper.

For a narrow room, avoid floor coverings with patterns or stripes running the long way. Shorten the room by building a room-width storage cabinet at one end.

If ceilings are too low, paper the walls in vertical stripes or patterns, and paint the ceilings in a very light shade. Use modern furniture with low, compact lines, and avoid using a border at the ceiling. Select Hollywood beds with low headboards and no footboards.

For ceilings that are too high, a common problem with older homes, paper the ceiling and bring the paper down the walls for a short distance. You can also select a wallpaper with a wide, matching border.

With dormers, use sill length curtains harmonizing with the color of the walls. Put a low bookcase, cabinet or storage chest beneath the small dormer window. Walls of deep dormers can be papered or painted to contrast with other walls of the bedroom.

Hints Given Chair Buyers

CHICAGO (UPI) — If you own a chair that has been resupholstered once or more you should be proud of your purchase. You are among the minority who know how to buy sensibly, reports A. Gordon Knapp, president of an industrial design firm.

Knapp, associated with Palm-Knapp Inc., has some easy-to-follow tips to help you shop sensibly:

—Don't be snared by fads or fashions. "The mark of a good design is its ability to stand the test of time. If something new appears on the market, wait a while to evaluate and re-evaluate it," he said.

—Resist status buying. "Keeping up with the Joneses is expensive." Knapp said that an item bought because it's "in" is merely duplicating someone else's tastes.

—Shy away from overly-complex furniture. "Good design is basically simple, with nothing to detract from the object's function," he said. "If gimmicks are there only to impress you, beware!"

—Know room measurements and where the item will go. "Furniture or carpeting that looks stunning in the store may be all wrong for your home or your way of life," he explained. "Remember that colors look different under store lights, compared with natural light or the lamps in your living room."

Former President Radiates Confidence In U.S. Future



By MARGARET RICHARDS
And JACK BRANNAN
INDEPENDENCE, Mo. (UPI)—Former President Harry S. Truman, at 78, radiates confidence in the future of the nation, its leadership and its youth.

"All hokey," he says of any threat from Cuba.

"He can and he will," he says of President Kennedy's efforts to protect the free world from communism.

"They're all right, and the country is going to be all right in their hands," he says of the nation's youth.

In a year-end interview, Truman checked off the year's attainments and issues with quick comments. He talked freely only about his own years in the White House—another era of weighty decisions—which ended 10 years ago, Jan. 20, 1953.

"I'm not the president of the

1962 Medical Report Shows Many Big Gains

NEW YORK (UPI) — Doctors extracted a small, slippery thing from the alimentary canal of a cancer patient at Baylor University Medical Center.

The virus—small enough to slip through porcelain—figured in "significant" experimental work in the war against cancer, the American Cancer Society reported in citing gains made in 1962.

Scientists at the Houston, Tex., laboratory infected newborn hamsters with the virus. A high proportion of the laboratory animals developed cancer.

The society said the work has been duplicated in another lab, sparking cancer sleuths who lean to the theory that viruses might be the culprits in many malignancies.

In the war of man versus disease, so went the battle in 1962 in fronts when science tackled the unknown in cancer, heart ailments, mental illness, obesity, the common cold—and all else that strips a human of good health.

Hope For Vaccine

The evidence supporting the virus-theory in cancer lends hope that one day there will be a vaccine against cancer—just as there is against other virus-caused diseases. Polio, for example.

The medical report from 1962 goes like this:

Cancer The best evidence of progress is that 1.2 million Americans have been cured. The big hunt for a drug or drugs to tame cancer hasn't paid off. But some drugs lengthen the survival span of some cancer patients—especially when the drugs are used in combination with the conventional treatment of radiation and surgery. Progress in '63 is expected in the virus theory arena and in the search for simple diagnostic tests to tattle on the presence of cancer before it can be detected by conventional means.

Heart: The American Heart Association said advances against heart diseases, accounting for more than half the deaths in the

United States each year, included dramatic reduction of mortality rates in open heart surgery for blue babies.

Help For Disturbed

Mental health: The National Association for Mental Health said one of the biggest gains during 1962 stemmed from evidence that some enzyme disturbance appears to be related to disruption of systems in the body enabling a person to develop energy to take action in situations of stress. Harry Mill, information director for the association, said the additional evidence points to the likelihood that some persons who become mentally ill have some impairment of equipment to handle stress.

In the area of basic research the American Medical Association reported that what's to be heralded concerns efforts to breakdown the genetic code.

The code, intertwined in a thread-like molecule of deoxyribonucleic acid (DNA) distates all growth and life functions from the nucleus of every living cell. Scientific detectives figure that if this molecule is out of sorts it may create a chemical imbalance in the body, leading to weaknesses. If an individual's code could be studied, then discovery of such imbalances might be possible and corrections made.

In one area, science still hadn't come up with a cure. The common cold remained something to suffer through. One doctor suggested treating it the old-fashioned way—with contempt!

ADDS UP DAMAGES

LOS ANGELES (UPI) — The president of a sportswear shop said he was totaling his Christmas business Thursday when the adding machine kept printing \$99,000, exploded flames from its electrical connection and set fire to the shop.

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