



"Haven't had trouble since!"

Regularity problems from lack of bulk? Mrs. Victoria Panzetta of Rochester, New York, writes: "I was taking all kinds of laxatives, but none seemed to help. Now I eat All-Bran and haven't had any trouble since." Kellogg's All-Bran with milk is the natural way to keep regular without habit-forming laxative drugs. Try a daily half-cup of Kellogg's All-Bran, the original whole bran cereal.

Kellogg's ALL-BRAN

"O-O-O MY FEET!"

THEY'RE KILLING ME!

Why suffer agonies of CORNS & CALLOUSES Tired, tender, itching, burning, smarting, perspiring feet

QUICK RELIEF!

GET PROMPT RELIEF THE SURE WAY WITH JOHNSON'S FOOT SOAP *AT ALL DRUGGISTS AND TOILET GOODS DEPTS.

JOHNSON'S FOOT SOAP

DRIVE SAFELY

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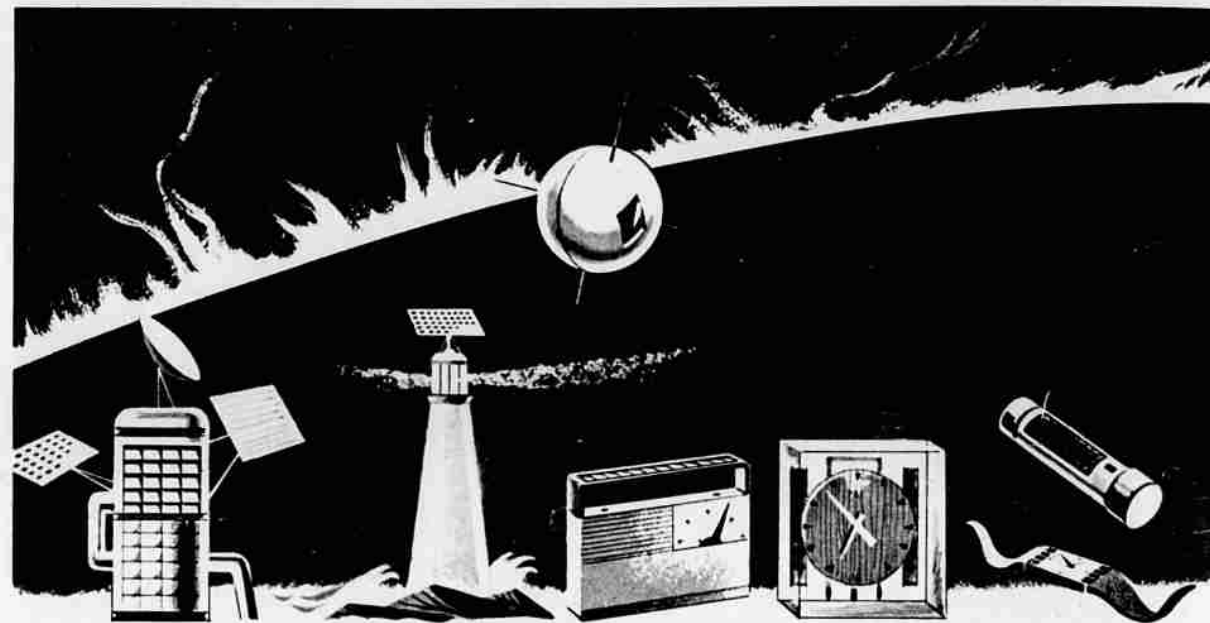
Helps You Overcome
FALSE TEETH
Looseness and Worry

No longer be annoyed or feel ill-at-ease because of loose, wobbly false teeth. FASTEETH, an improved alkaline (non-acid) powder, sprinkled on your plates holds them firmly so they feel more comfortable. Avoid embarrassment caused by loose plates. Get FASTEETH at any drug counter.



Why "Good-Time Charlie" Suffers Uneasy Bladder

Unwise eating or drinking may be a source of mild, but annoying bladder irritations—making you feel restless, tense, and uncomfortable. And if restless nights, with nagging backache, headache or muscular aches and pains due to over-exertion, strain or emotional upset, are adding to your misery—don't wait—try Doan's Pills. Doan's Pills act 3 ways for speedy relief. 1—They have a soothing effect on bladder irritations. 2—A fast pain-relieving action on nagging backache, headache, muscular aches and pains. 3—A wonderfully mild diuretic action thru the kidneys, tending to increase the output of the 15 miles of kidney tubes. So, get the same happy relief millions have enjoyed for over 50 years. New, large, economy size saves money. Get Doan's Pills today!



Sun power energizes satellites (above) and (left to right) solar furnaces, lighthouses, radios, clocks, wristwatches, flashlights, irrigation pumps, the "house of tomorrow," and soon space ships.

How Sun Power Is Working

ON APRIL 13, 1958, an unusual structure was unveiled in Paradise Valley, near Phoenix, Ariz. It's a three-bedroom residence called the Solar House, and scientists say it is the first in the world to receive all its warmth from the sun, including heat for its swimming pool and water supply.

Across the country at Lexington, Mass., a similar house suitable for Northern climate has just been put on the market. Solar energy provides 75 to 80 percent of its heat, plus an abundance of hot water year-round.

On a lonely mountain in New Mexico, a strange 15-story structure is rising: a solar furnace built by the Air Force. Its purpose is to trap and concentrate the energy of the sun's rays to fire a furnace for testing materials going into missiles, space craft, and nuclear reactors.

And beeping out in space, the Navy's Vanguard satellite is sending signals back to earth via a radio that gets its power from sunlight.

These are just a few of the ways the sun's energy is working for you, doing such diverse jobs as cooking hamburgers and powering harbor lights; operating cigaret lighters and running a radio relay station. It is powering portable radios and clocks; barbecue grills and movie cameras; toys and flashlights; hearing aids and highway markers. And some scientists predict that eventually the sun will run everything from household appliances to space ships.

Why the step-up in the use of solar power? The era in which man had large quantities of cheap fuels at his disposal is drawing to a close. Within this century it is expected that fossil fuels (coal, oil, and gas) and nuclear fuels will become increasingly scarce and expensive. Once

drawn from the earth and expended, these fuels can never be replaced. The world's only "income energy" is the sun's.

The sun showers the world daily with several thousand times more energy than man uses. He has long tried to employ this energy in ways to better himself.

ALTHOUGH THE SUN supplies 1,000 trillion kilowatt hours of energy daily—comparable to all the reserves of coal, oil, natural gas, and uranium found on earth—man never was able to convert more than a small fraction of this energy directly to his use until an exciting breakthrough was made a few years ago. Then scientists discovered that pure silicon, if properly treated, could convert sunlight directly into electricity.

On April 24, 1954, the solar battery, the first successful device to convert useful amounts of the sun's energy directly into electricity, was demonstrated. With an amazingly simple apparatus made of strips of silicon, scientists showed how the sun's rays could be used to send voices over telephone wires and to power a transistor radio transmitter. Silicon cells have made possible many of the solar-powered products now coming out.

A portable radio, for example, gets its power from solar batteries housed in the handle. A solar clock has some 20 silicon cells placed around its face. One week's exposure will wind the clock for a year.

A solar cooker for about \$30 resembles an umbrella which, when unfolded, becomes an aluminized mirror focusing the sun's rays on an area of about 10 inches. On a grill across this spot can be laid hot dogs, hamburgers, or steaks. A \$2 cigaret lighter, operating on the same principle, is an aluminum disc with a coiled wire in the center into which the

cigaret is placed. Reflected sunlight is concentrated on the end of the cigaret, igniting the tobacco in a few seconds.

Hot-water heaters working on solar energy have been in use in the South for several years. And for tropical, arid regions where fresh water is scarce, a small, sun-operated water-distillation unit has been developed. It is designed to yield five gallons of fresh water per day from salt or brackish water.

During World War II, sun power saved the lives of fliers forced down at sea. An inflatable solar still was built to float next to life rafts. Made of a transparent plastic, it supported a black porous pad which became saturated with sea water.

The sun heated the sea water in the pad and vaporized it. The vapor condensed on the colder surfaces and trickled down to a fresh-water holder at the bottom of the still.

Far more progress is needed to produce solar devices cheap enough to be widely adopted. The Solar House near Phoenix, for example, costs \$30,000 exclusive of the heating system, which is estimated to cost \$5,000. But engineers



for You

believe mass production will cut the price. Already there are many parts of the world where solar heat is able to compete with conventional systems.

WHAT ARE the prospects for the future? The house of tomorrow envisaged by engineers draws all its power from solar cells on the roof. Only five days of sunlight per month would be needed to operate the home and all its appliances plus heating and air conditioning. Solar engineers predict that this system will become economically feasible within the next 15 years.

One of the latest applications envisioned for solar energy is a water pump which could turn desert areas into fertile fields.

Tests are being conducted with the U.S. Coast Guard to evaluate solar energy in operating navigational aids. "Big Bertha," a large solar-energy converter, is now running a flashing light in Los Angeles harbor.

And the U.S. Forest Service is testing a solar converter to power an experimental radio-repeater station atop Santiago Peak in southern California.

One of the most exciting plans disclosed recently was for an aircraft that would fly

Science is finding countless ingenious new ways of harnessing the world's only inexhaustible source of energy.

by Lillian Pompian

indefinitely on solar energy stored in the earth's atmosphere.

Even as Government space men strain to reach the moon with a rocket, one manufacturer, Westinghouse Electric Corp., proposed to the Pentagon a plan for building a lunar power station. Government space groups are laying plans for a future colony on the moon for defense and scientific purposes. The lunar power station, Westinghouse scientists say, would service these colonies by converting sunlight into electricity at small cost.

And on Sept. 30, the Army dedicated the nation's largest solar furnace as the start of a major new source of power.

The solar furnace, drawing its basic power from the sun's rays, will be used to conduct studies to develop protection for the armed forces and civil-defense workers against the radiation of nuclear and other weapons. It also will be a major tool in creating power for earth-orbiting aircraft and spaceships.

Radiation from the huge solar furnace—an instrument that concentrates solar radiation by focusing the energy into an image of the sun four inches in diameter—closely simulates the heat radiation to which soldiers, sailors, and airmen could be exposed in the vicinity of atomic explosions.

Lt. Gen. Arthur G. Trudeau, Army chief of research and development, predicted the furnace, "along with similar efforts being made elsewhere," soon would teach the world how to harness the unlimited energy of the sun for mankind's beneficial use.

"Solar energy will have far-reaching effects in many directions which we cannot now foresee," says John I. Yellott, executive director of the Association for Applied Solar Energy in Phoenix. "We must remember that, in the final analysis, solar radiation is the earth's only inexhaustible source of energy. Daily we are learning to make it serve mankind more effectively."



Amazing Purifying Power in
Polident soaks
FALSE TEETH
so clean...



there's not
a trace of
Denture Breath!

Here's a dental discovery that revolutionizes denture cleansing. It's Polident, the amazing white crystals made especially for cleaning false teeth. The instant Polident crystals touch water, they burst into super-cleaning action. They release remarkable Purifying Power that cleans your plates as no toothpaste can.

Dentures need not have that tell-tale odor.

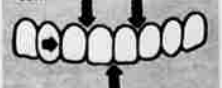
The purifying solution you get from Polident crystals goes to work instantly. It penetrates deep down into the tiny cracks and crevices of your plates toothpaste never reaches. It soaks out clinging food particles and odor-breeding bacteria, the chief causes of offensive Denture Breath.

What's more, unsightly yellow stains and dingy, gray film instantly start to dissolve away. Suddenly, your false teeth are naturally white and, best of all, odor-free.

So stop relying on ineffective toothpastes that weren't made to clean dentures. Get new Polident crystals with amazing Purifying Power today. Try it. With Polident you don't have to worry about offensive Denture Breath again.

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Polident soaks into crevices, removes denture breath—no toothpaste can.



Polident purifies plates, gets rid of odor-breeding bacteria and food particles. No more Denture Breath!

