

Ike Says Demos Distorting Facts When They Criticize Benson for Farm Problems

By TOM NELSON
 United Press International
 Washington (UPI)—President Eisenhower said Wednesday that Democrats who blame his administration and Agriculture Secretary Ezra T. Benson for the farm problem are distorting the facts for political purposes.
 The President launched into a strong defense of Benson and his controversial policies when asked at his news conference about criticism of Benson by Sen. John F. Kennedy, the Democratic presidential nominee.
 Kennedy, in a speech at Des Moines, Iowa, last Sunday, attacked what he called the "disastrous" programs followed by Benson and supported by Vice President Richard M. Nixon, the GOP presidential nominee.
 Eisenhower said that he had tried in vain for eight years to get a real reform of the farm laws.
Praises Benson's Courage
 He praised Benson's honesty, courage and selflessness and said no one should be so free as to crucify Benson.
 In other highlights of his news conference, the President:
 -Said religion should not be an issue in the coming presidential campaign. He said he is not so naive as to think that in some areas it will not be, but nevertheless he would

never believe it could be a legitimate issue.
 -Announced that he had signed into law a bill which paves the way for the networks to offer free time to Nixon and Kennedy for a series of historic television debates in the coming campaign. He said it was a fine thing that the networks stood ready to perform this public service.
 -Said that, despite their big majorities in both houses of Congress, the Democrats apparently are not getting anywhere in the current congressional session. Eisenhower said the Democratic margins are so large that they could do anything they wanted to if they could only get together.
Politics in Foreign Affairs
 -Reiterated his position that politics should end at the water's edge but nevertheless conceded that the conduct of foreign affairs probably will be an important issue in the campaign.
 -Defended this country's decision to acknowledge that pilot Francis Gary Powers was on a reconnaissance flight when his U2 plane was shot down over Sverdlovsk, Russia. He said that if this government repudiated Powers, that would have made him out to be some kind of an adventurous flier who designed, built and flew the

plane, which didn't make sense to him.
 -Said that when the chips are down, the United States would invoke the Monroe Doctrine and take action to prevent foreign domination in Latin America. He did not spell out what kind of action.
 -Said Nixon has participated actively in top level discussions with him throughout their administration but that the vice president has not made policy decisions. Eisenhower said no one participates in these decisions because no one can make a decision in the national executive area except the president.
 -Asserted that relations between Cuba and this country have by no means reached the irretrievable stage. He said he would always be ready to participate in any kind of conference of heads of government that could achieve something useful, although he said he would not want to speculate that this type of a meeting is now in the works.
 -Said the question of whether he should go to New York next month to address the United Nations General Assembly is under discussion, as it has been every fall when the assembly convenes. He said whether he goes would hinge largely on whether there was a point he particularly would like to emphasize to the organization.

New Membrane Developed To Filter Sea Water

Los Angeles (Science Service)—A membrane to filter the salt out of sea water has been announced at the University of California, Los Angeles. It is said to be 100 times more effective than previous commercial membranes.
 This new and promising filter was developed by research engineers Sidney Loeb and Srinivasa Sourirajan. The membrane, or film, has a large number of tiny pores which in effect filter the salt water and separate the brine from the potable water.
 To make their film, the UCLA engineers mix cellulose acetate with aqueous magnesium perchlorate solution and acetone, and then cast the sticky mixture cold on a glass plate.
Membrane Mounted
 After putting the glass plate into cold water, a film four thousandths of an inch thick is stripped from the plate and then shrunk slightly in hot water. The finished membrane, which can filter water 100 times faster than previous commercial films, is mounted on each side of a porous steel disk.
 Any number of disks are then stacked in a frame press, salt water is circulated through the unit at 1,500 pounds per square inch pressure, and the desalted water flows out from the bottom of the unit.
Single Filtering
 With their present film, Loeb and Sourirajan have been able to get potable water at the rate of eight gallons a day per square foot of membrane area. Furthermore, the potable water is produced in a single filtering from a brine containing a 5.25 per cent salt concentration, which is much saltier than ordinary ocean water.
 Loeb and Sourirajan believe that their process holds possibilities for future large-scale, commercial use, because the film is both cheap and durable, the equipment is simple and can run 24 hours a day without maintenance, and power requirements are as low as for any other desalination method.

Reservoirs Of Sunshine Provide Cheap Power

Rehovoth, Israel, (Science Service)—A network of sunshine reservoirs, pools of salted water storing up the heat of the sun, can provide with an easily available and economic source of energy, an Israeli scientist has reported here.
 Dr. Henry Tabor of the National Physical Laboratory of Israel, authority on solar energy, reported on his new plan for "pooled" solar power to the scientists and statesmen meeting (Aug. 15-30) at the Weizmann Institute of Science for the first International Conference on Science in the Advancement of New States.
 In the new scheme, salts would be dissolved in water at the bottom of a square pool, two-thirds of a mile on a side. Then the heat of the sun would concentrate and remain at the bottom because of the heaviness of the salted water would prevent the heat from rising to the surface.

The surface layer of the pool, however, would remain at a constant temperature since it would lose heat at the same rate it picks it up. The success of the operation would depend only on keeping the water in the pool undisturbed.
 Construction costs are estimated at about \$1 million. The investment would yield a return in heat energy valued at \$250 per kilowatt, producing electricity at one-tenth the cost of any other solar apparatus to date.
 Dr. Tabor does not believe the development and use of solar energy will be adopted by the developed areas of the world; but it may provide the economic independence so eagerly sought by the arid underdeveloped regions of the world which boast little else in the way of natural resources than the blazing energy of the sun.
 He predicted that in the future this heat may be converted to energy that para-

doxically will supply air-conditioning and refrigeration.
 Dr. Alvin M. Weinberg, director of the Oak Ridge National Laboratory, Tennessee, and winner of the Ford Atoms for Peace award, hailed Dr. Tabor's scheme for a solar pool built upon the principle of water density as "the most important theory so far presented" at the conference.
 An authority on nuclear energy, Dr. Weinberg warned that making the sun or any other energy source pay off will require adequate financing operations.
 The underdeveloped countries of the world must look to foreign investment and capital for the financial energy needed to develop physical sources, Dr. Weinberg said. The economic self-sufficiency sought by the new states through power development will contribute to world peace and stability as well as to national stability.
 Another source of energy independence for the new states is the use of breeder reactors, Dr. Weinberg said. Such reactors can be fueled with residual uranium and thorium which exist everywhere in the earth's crust. He predicted that energy independence among the nations of the world eliminate access through the Suez to the Middle East as "a major political issue."

Asphalt Improves Construction Work

Tulsa, Okla.—(UPI)—Railroads have found two new uses for asphalt—and neither of them involves paving highways.
 The American Petroleum Institute reported that "atomized" asphalt—a metal preservative—can effect a 75 per cent saving in the cost of preserving railroad bridges.
 The Jersey Central railroad sprayed a bridge with asphalt and found that it did the work of two coats of paint and cut in half the man hours needed to treat a bridge. Asphalt costs 21 cents a gallon compared with \$2.85 for conventional paint.
 And the Illinois Central railroad sprayed a test section of its roadbed with asphalt to preserve and stabilize the rock ballast and preserve the cross-ties.

Council Condemns Use of Lenses

Chicago—The use of night driving lenses or windshields whether tinted, reflecting or polarized has been condemned by the American Medical Association's council on industrial health.
 The council said that a night driving lens or windshield reduces the light transmitted to the eye and actually makes seeing at night more difficult.

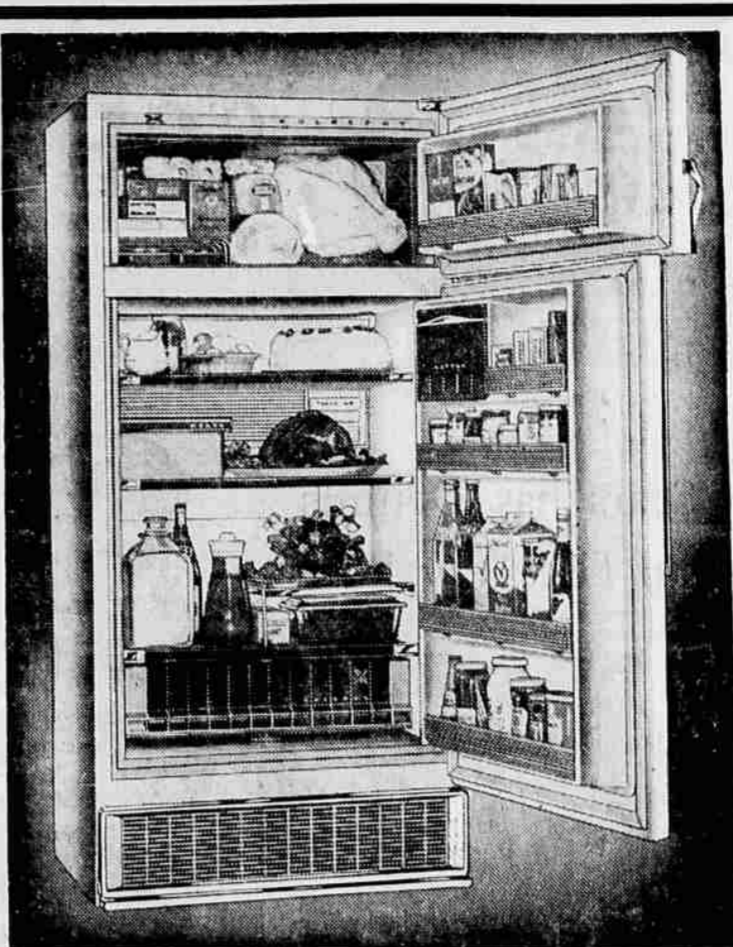
Resident Builds Bar From Salvaged Boat

Lake Mahawk, N.J.—Norman Rintoul has built a bar for his game room from the shell of a salvaged motorboat.
 The deck supports drinks on a raised "dry dock" stand. Mixes are stored under the seat, a cooler unit is under the deck and an oar is used as a footrail.

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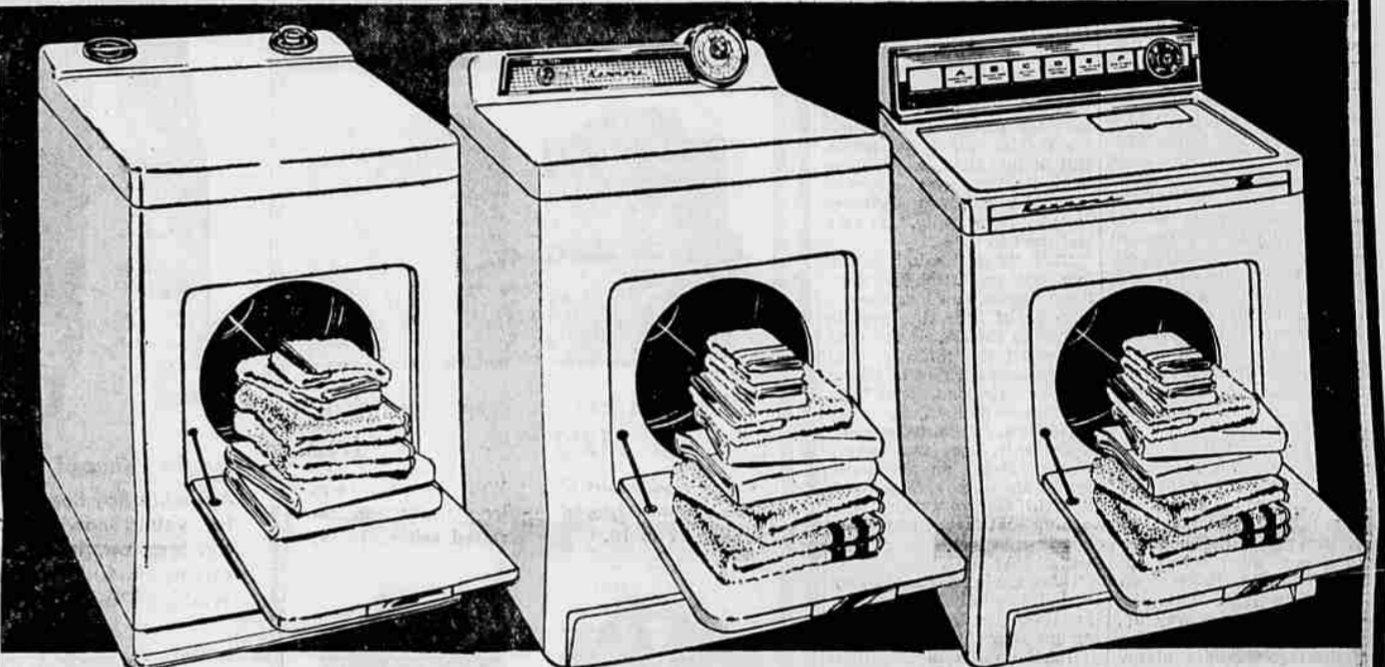
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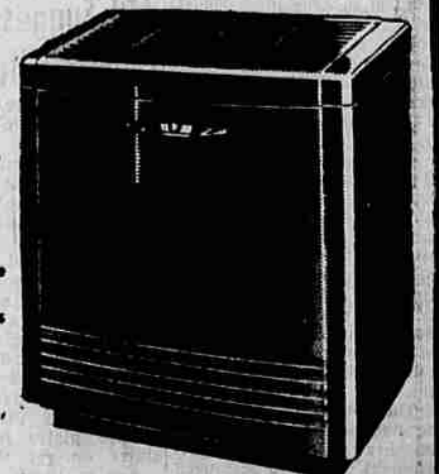
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