



MODERN COLUMBUSES—The USS Wyandot sails into a setting sun from Norfolk, Va., as she and the USS Arneb, flagship of the U. S. Task Force 43, departed for Antarctica by way of Panama and New Zealand on Operation Deep Freeze. Admiral Richard E. Byrd, America's foremost polar explorer, will command the operation. He will meet the task force in New Zealand, Dec. 14.

Nine Gallons of Water May Eliminate Jet Crash Hazard

Moffett Field, Calif. —(U.P.)—One of jet aviation's greatest crash hazards—fire—may be eliminated by just nine gallons of water, the National Advisory Committee for Aeronautics has reported.

The NCAC announced results of experiments conducted at its Lewis Laboratory at Cleveland, O., during the triennial inspection of its Ames Aeronautical Laboratory here.

In its study of jet crashes, the NCAC scientists discovered that the jet engine is the worst fire hazard in a crash since it operates at high temperatures and is located near the plane's fuel tanks.

Slow motion moving pictures showed that when the fuel tanks were ripped open in a crash, great quantities of the spattering fuel were sucked into the still-operating jet engines.

The NCAC said the jet engines continued to operate after a crash because they have no propellers to strike the earth and bring the engine to a halt.

Water Sprayed

A "crash switch" that cuts off the flow of fuel to the engines on impact, thus extinguishing the combustor flame in the engine, failed to eliminate fires because parts of the jet engine remained hot enough to ignite the fuel sucked through.

To solve this problem, the NCAC scientists installed tanks on the jet engines holding about nine gallons of water under pressure. On the crash impact, the water is sprayed over the hot metal surfaces.

The water spray not only cools the hot metal, but also produces clouds of steam that effectively seal off the oxygen needed for an explosion or fire.

In six test crashes involving heavy damage to the airplanes, the planes equipped with the water sprays did not catch fire. Similar trials of aircraft without the sprays produced large fires.

NACA experts report the present apparatus is heavy, but they expect to be able to cut down its weight. They said they believe

the equipment will soon be suitable for installation on operational aircraft.

New Seats

Meantime, other NACA scientists, working on the theory that little is gained by preventing fire if all the occupants of the aircraft are killed in the crash, have developed a new seat for air transports.

The new seats, the NACA said, have proved capable of cutting death-dealing deceleration forces, the sudden, slamming stop, by more than two-thirds.

The shock-absorber seats are padded with air-inflated rubber. The base of the seat is securely connected to the deck of the plane. But the base is joined to the seat only by a strong rubber elastic exerting 1,000 pounds of force.

This elastic connection allows the seat to flex in any direction, thus taking up a large portion of the shock of the crash while preventing the seat from tearing from the deck and hurling the passenger through the cabin like a missile.



Levitron (N. Y.) Press photo

It takes only a minute for this young man to get a chest X-ray to make sure he's healthy. Christmas Seals help pay for X-rays to find unknown cases of tuberculosis. The 1955 Christmas Seal Sale of the 3,000 tuberculosis associations throughout the United States, will continue through December.

Cleveland, O. —(U.P.)—Harold Fleisher was fined double for making an illegal left turn at an intersection for which he had recommended a neon no-left-turn signal. Fleisher handed the judge a newspaper clipping identifying him as the winner of an idea payoff for the neon light suggestion. Judge John Corrigan imposed the double fine, saying, "You should have known better."

Rich, Colorful Section Of Mexico Flood Scoured

Washington — Northeastern Mexico, scoured by floods spilled from three successive hurricanes, is a region rich in commerce, antique culture and scenery.

The hurricanes struck hard at Tampico, the sprawling oil town that sits only 11 feet above the Panuco river. The city's almost complete inundation devastated a Mexican port ranked second only to southern Veracruz.

Clinging to many Mexican folkways, modern Tampico nevertheless exuded the characteristics of any flourishing oil center. Wealth-laden petroleum refineries and storage tanks stood as symbols of its prosperity.

Transportation networks brought outsiders to Tampico seeking the mild winter climate

or a chance to hook tarpon, sea bass, red snapper, pompano, shark and yellowtail inhabiting convenient waters. Other sports lovers delighted in swimming at Playa de Miramar. There were hunts for wildfowl on the extensive lagoons behind the city—lagoons which contributed to the flood.

Above Tampico's water-ringed population of some 120,000, swollen by refugees, a baby was born in a rescuing United States Navy helicopter. Grimmer scenes darkened Tampico's plight when 1,000 lightly-built houses flattened under wind and water.

Homes and buildings suffered in Pachuca, capital of Hidalgo State, southwest of Tampico and 125 miles from the Gulf Coast. An attractive place of colonial houses and a 1670 fortress once used as a royal treasury, the city of 76,000 is essentially a modern mining community.

It is now Mexico's most productive silver center. Pachuca even 200 years ago contributed a heavy percentage of the world's silver output. The city also is known for its pulque fermented cactus juice, the beverage invented by the Aztecs.

Hurricane Janet, which swelled other recent floodings of the area, screamed into the Yucatan Peninsula in late September, striking hard against Chetumal, capital of Quintana Roo. The rain-laden blasts pierced an area of Mexico renowned for its ancient Maya civilization and mysterious ruined cities secreted in dark forests.

Productive Area
The peninsula, embracing the states of Campeche and Yucatan and the Territory of Quintana Roo, is flat and open to sweeping winds, except for some hills to the south. The almost constant sea breeze ordinarily powers hundreds of windmills on the landscape.

Yucatan leans heavily for support on henequen, the leaf fiber of an agave plant. It sprang to importance after the invention of the reaper and binder opened a market for strong, cheap twine to fasten sheaves of grain.

In Campeche and Quintana Roo sapota trees provide chicle, a basic ingredient of chewing gum. Tropical rain forests hold valuable hardwoods, mahogany, rosewood and ebony. Mexico supplies about half of the mahogany used in the United States.

A Tibetan greets one of higher position with protruding tongue and hissing intake of breath. Extended tongue shows respect; sucking gasp indicates a desire not to defile the air.

Corvallis Housing Lack Causes Concern

Corvallis —(U.P.)—Oregon State College and city officials expressed concern today about an expected housing shortage here.

At a meeting this week it was brought out that more than 1000 students are living off the campus in Corvallis. It was indicated that number is being adequately handled at present. However, a minimum increase of 10 per cent in enrollment is expected at Oregon State next year and for every 500 new students an additional 40 staff members are needed.

There is no indication of any large-scale housing planned here and a survey of real estate dealers has indicated there are virtually no unrented houses.

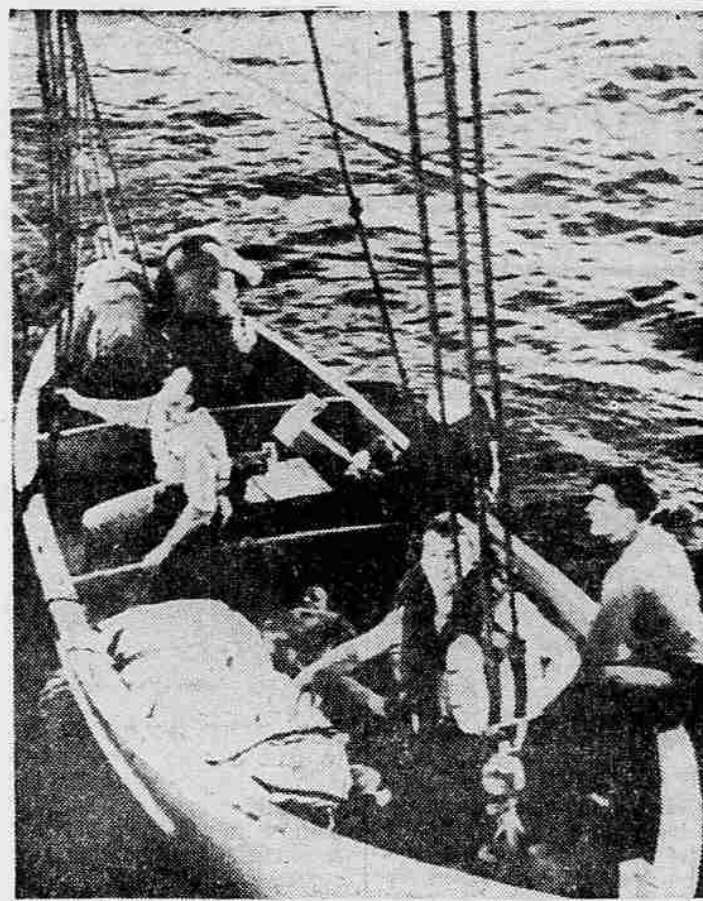
Dr. A. L. Strand, president of Oregon State, said final plans are being drawn for a new unit on the men's dormitory and that an additional women's unit probably can be financed. They would house about 310 men and 100 women but cannot be ready for almost two years.

Cub Scouts

Cub Pack 8

A meeting of Cub Scout Pack 8 at the Jackson school Thursday, Nov. 17 at 7 p.m. Harry Barneburg, neighborhood commissioner, will speak and a moving picture will be shown. All Cub Scouts and their parents are invited and an attendance prize will be awarded to the den with the most parents present.

During the International Geophysical Year, 1957-58, twelve nations, including the United States and Soviet Russia, will inhabit the Antarctic for a short period to study the various phenomena of the southernmost sector of the earth.



THREE DEAD IN FIRE AT SEA—Seamen burned in a fire aboard the Navy radar picket ship Searcher 125-miles off New York are lowered from rescue cutter Ingham to be put aboard a Coast Guard plane for flight to the mainland. The fire took the lives of three men and injured two others. So vital was the work of the Searcher that another picket boat was dispatched to take over her station.

Firemen Issue Call For Additional Toys

City firemen issued a call today for more broken toys.

They said that they have "nothing we can work on now" in their annual Christmas toy repair and repainting project. About one-fourth the toys needed to be fixed for needy youngsters

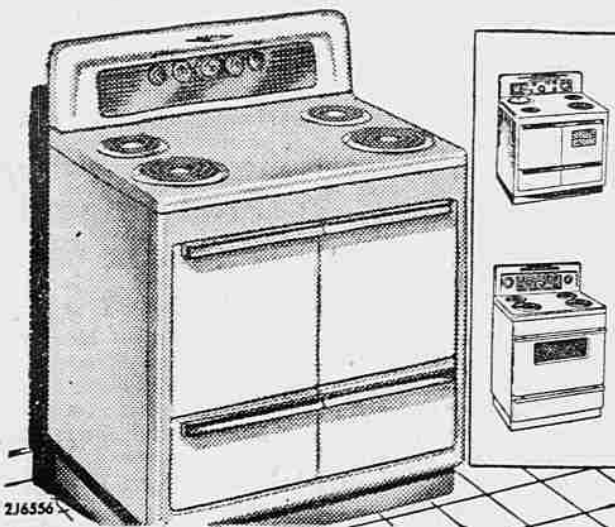
have been received, firemen added.

Persons with discarded but repairable toys are asked to bring them to the main fire station at Third and Front sts. Principal needs are tricycles, wagons and small cars and trucks.



Free Turkey

Hurry! Get Your Big Thanksgiving Turkey with Wizard Appliances or Truetone TV!



Wizard 37" Electric Range
Yours at Real Quality Value!

As little as 15.95 down,

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Robertshaw automatic oven heat control maintains exact temperature! Miracle Heat Seal gasket insures heating economy! 4 hi-speed Tuffle & Kift burners. Deep-well & French Fryer available. 2J6556.

(A) Wizard Master Deluxe Electric. 2J6561 214.95
(B) Wizard Automatic 30" Range. 2J6553 202.50



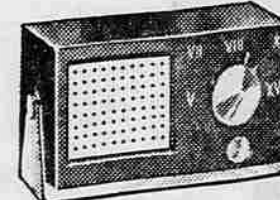
Buy Now for Cold Weather!

(A) Prestone Permanent. No no evaporation. Quart. 85 23113.5. Gallon 3.25
(B) Western Permanent. Won't evaporate. Safe. Qt. 67 23120.21. Gallon 2.39
(C) Western Supreme Alcohol. High test. Protects. 23145.6. Gall. 1.19
(D) Western Standard Alcohol. 23142. Gallon79

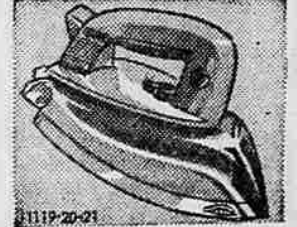
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"TILT-A-STAND" RADIO
A Truetone innovation. Place at any angle or mount on wall. Ebony with gleaming brass. D2562. Reg. 21.95. 19.95 Also available in red 21.95



WIZARD STEAM IRONS
New combination steam & dry iron with fabric selector dial. Lightweight, easy to fill, uses regular tap water. 3 colors. J1119.20, 21. 12.95

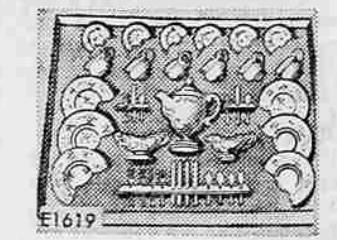
Wide Toy Selection! Use LAYAWAY!



"BUDDY L" TRANSPORT
For future generals! An army truck, lugging howitzer & ammo! Cannon actually fires! Rubber tires, removable tarp. 27" overall. E3325 4.95



CARPENTER'S SET. For the Jr. handyman 6 to 15 yrs. old! Steel box contains chisels, saws, plane, hammer, level, brace and bit. Many more tools! E2401. 4.95



GOLDEN GLOW TEA SET
Tea service for 6! Colorful Black-Eyed Susan pattern, gold rim! Metaltone gold-like finished tableware! E1619. Set. 2.98



DOUBLE HOLSTER SET
Sized to delight that tiny cowboy from 1-3 yrs. old! Guns, belt, holsters with leg ties! White leather. Fires caps. E1323 1.98



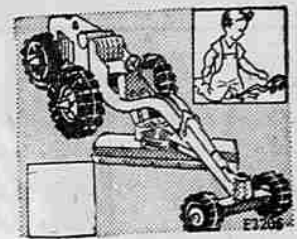
"LADY LOVELY" BEAUTY KIT FOR YOUNGSTERS
Plastic cosmetic case with all the necessary "beauty aids." Includes mirror, comb, powder box, etc. E1414. 1.98



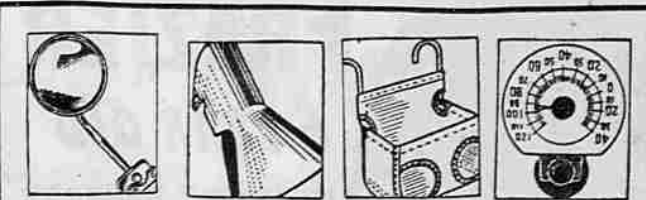
"DRAFT DODGER" DOLL
A 17" beauty all decked out in cotton flannel sleeping suit, slippers and stocking cap! Flexible legs, turning head, coo voice. E1719. 4.95



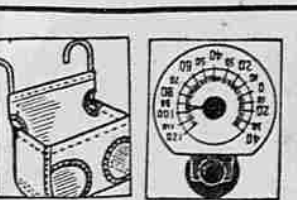
DIAL "SPEEDPHONE"
Toy metal phone enameled bright red. 2 shiny bells ring as dial is turned. Safe, strong. 7 3/4" receiver. E2701. 66c



METAL ROAD SCRAPER
Durable, all metal miniature with bright yellow enamel. Front wheels operated by steering wheel. Adjustable scraper. 10 3/4". E3205. 88c



CAR DOOR MIRROR
4" beveled edge glass on 5 1/2" arm. Ball socket head adjustment. C2117. Reg. 1.05. 69c



AUTO BABY SEAT
Lets baby ride in safety. Sturdy! Folds. 2N261. Reg. 98c. 79c



EXHAUST DEFLECTOR
Chrome plated to resist rust. C2306. Reg. 53c. 29c



AUTO THERMOMETER
Accurate, dependable. Non-breakable dial. 40° below to 120° above. C1362. Reg. 48c. 32c



STEERING WHEEL COVER
Heavy cotton material for winter/summer use. Fits all cars. C1113. Reg. 34c. 22c

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