



Truck-Mounted Shelter Ready for Use by CD

A pre-fabricated steel fallout shelter mounted on a trailer has been made available for community Civil Defense orientation programs by the Byrne Plywood Co. of Royal Oak.

The shelter, a product of the Kelsey-Hayes Co., is the same model as that recently displayed by the J. I. Hudson Co. It was also covered in a recent feature by "The Magazine" on the problem of defense against fallout.

This truck-mounted shelter, explains James Byrne, president of the Royal Oak firm, is open on one side and may be used to show how shelters should be equipped to demonstrate shelter-living techniques or simply to familiarize the public with the nature of fallout shelters.

"COMMUNITY leaders in the three-county area may contact us concerning booking of the exhibit," Byrne said.

The shelter is so mounted as to enable visitors to enter it on one side and pass through it, exiting from another set of steps. There is also a provision for a window through which local officials may dispense literature or answer civil-defense questions.

Designed for basement use, the shelter comes in a basic 9 by 12 foot size, with a full ceiling. It is composed of several different kinds of standard parts which can be bolted together into the structure in less than 24 hours.

The hollow side and roof panels are then filled with a mixture of sand and gravel to provide a mass resistant to the penetration of radiating gamma rays.

THE SHELTER WILL house from four to six adults.

"While we regard this structure primarily as a shelter," Byrne said, "it could also be used as a dark room, small office or library."

By increasing the number of panels, the basic design may be expanded to shelter additional people.

The design was developed during three years of experimentation and bears the stamp of acceptance of the Office of Civil Defense Mobilization.

Congressman Sees New Bendix Gauge

A new materials thickness indicator was introduced for the first time recently by the research laboratories division of The Bendix Corp. to U. S. Congressman William S. Broomfield in an informal showing during his tour of the labs' facilities in Southfield.

Completed only hours before Broomfield's visit, the small gauge which resembles a pistol is a microwave detection system. Employing extremely short microwaves which "penetrate" into and through opaque objects, the instrument measures by reflection the object's thickness to accuracies better than 0.001 of an inch.

Designed principally to measure the dielectric thickness of aircraft and missile radomes, Bendix executives expect it to be a great help to production by making on-the-spot, assembly-line checks and corrections possible, thereby increasing the number of acceptable units.

THE DEVICE may also prove valuable for measuring the thickness of other non-conductive materials, such as cellophane, paper, plastics, and paints, they said.

A radome is a cover for radar sensing equipments on planes and missiles and must present a minimum of interference to the high-frequency waves used for accurate navigation and control.

Previous methods of checking out radome radomes long and involved elaborate laboratory-type equipment. With this new portable device, radomes can be checked quickly during early stages of fabrication, and at field test and maintenance sites.

Technical details of the new instrument will be released to industry and government officials during demonstrations next month.

Diverse items in metal, rubber, wood, plastics, and chemicals are planned as well as Government and State department information including financial assistance and industrial real estate. The Michigan State Department of Economic Development will also participate.

The exhibit committee feels Michigan is on the threshold of a new, diverse industrial era.

Products Display At Fairgrounds

Berry Door Corp. of Birmingham will be among the Michigan firms who will display their wares at the new products and inventions show at the Michigan State Fairgrounds Friday, Saturday and Sunday.

Called the "New Products for Michigan Exhibit," the show will offer opportunities for investment, manufacturing, sales, and export. Ranging from fission to gold-plated fish hooks, the displays will include inventions, ideas, and designs, as well as new products already on the market.

The purpose of the show is to assist new Michigan firms by bringing their products and inventions to the attention of commercial interest groups, investors, other manufacturers, distributors, exporters, and businessmen.

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ALTOGETHER, non-residents accounted for 47 per cent of the library's reference and advisory service. The same survey showed that 80 per cent of books loaned now go to non-residents.

In its policy announcement, the board said it planned to increase the non-resident fee each year, so that eventually library users from outside the city will pay an amount closer to their actual cost.



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Library

(Continued from 1-A)

They are costly. A community of 100,000 can support a far better library system than a city like Birmingham, with its 25,000 people.

"That's why we believe that cooperating through contracts would be better for both Birmingham and the surrounding communities," Tobin said.

Population estimates are that by 1970 there will be 80,000 people living in the area including Beverly Hills, Birmingham Farms, Bloomfield Hills, Franklin and Bloomfield Township—foreseen as the probable service area for a cooperative system. Present population of the area is 61,724.

THE BOARD announced its decision after consultation with the Birmingham City Commission. The policy was in part based on results from a two-year study completed last spring by a Citizens' Library Study Council, headed by John A. Gilray, Jr., of 4730 Avondale, Bloomfield Township.

The council learned from experts that a library serving 20,000 people requires almost twice as much per capita to achieve minimum standards as a library serving 200,000.

School officials and librarians consulted by the council expressed concern because no public library service is available to either Birmingham or Bloomfield Hills school children living outside the city of Birmingham.

GILRAY'S STUDY council concluded that "A district library system would provide better, more complete library service than individual efforts could attain, without incurring higher per capita costs."

At the same time, the council stated, "Birmingham would benefit by participating in a service of greater scope and completeness than it alone could support at the same cost."

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