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# CIVIL DEFENSE NEWS BULLETIN

published by the BUREAU of CIVIL DEFENSE

VOLUME II - No. 4

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APRIL 1961

## LA CROSSE VOCATIONAL STUDENTS BUILD FALLOUT SHELTER ★ ★ ★ ★



Photo - courtesy of Herman Rick

### A WORTHWHILE PROJECT

Mary E. Hinsberger, La Crosse CD Director, and E. L. Schreiber, Coordinator of Trades and Industry for the La Crosse Vocational and Adult School, examine the prototype fallout shelter built by shop students under the recent school shelter program. The shelter will be opened to the public for demonstration purposes for a six month's period. Nine other such shelters are being constructed by students at various locations in the state.

Each school received \$250 in Federal funds to buy the necessary building materials. The program, which ended March 15, was carried out by the State Bureau of Civil Defense in cooperation with the Office of Civil and Defense Mobilization.

★ ★ ★ CD ★ ★ ★

## OPAL 1961 OFFERS TEST OF NEW COMMUNICATIONS CAPABILITIES ★ ★ ★ ★ ★ ★ ★ ★ ★ ★ ★ ★ ★ ★ ★ ★

As this bulletin goes to press, plans for Operation Alert 1961 have been completed and the exercise is one week away. More extensive participation in the test by State Agencies, local governments, and the military is indicated than in any other previous exercise.

For the first time, there will be active participation by Civil Air Patrol Units (CAP) in both the communications field and radiological monitoring operations. The CAP will have in action 25 light aircraft for fallout monitoring purposes and 40 mobile communications units. This additional capability will greatly speed up reports from the field to the State Control Center at Stevens Point and will particularly be valuable to those local CD organizations that do not presently have any radio facilities. CAP aircraft will also be used to fly in health and medical supplies to needed areas.

Another new innovation in this year's test is the use of the State Radio Council Network for dissemination of survival instructions to the public from the State Control Center at Stevens Point. FCC has authorized the use of this facility which consists of 8 FM and 1 AM stations. Broadcasts originating from this outlet would be monitored by 48 authorized AM stations in the state and rebroadcast through their facilities giving the state blanket coverage. This facility would be used to broadcast pre-attack and post attack information to the public when CONELRAD was not in effect, and could be used by the Governor and other state officials to talk directly to Wisconsin citizens during an emergency.

A special broadcast over the State Radio Council network from Stevens Point will be held between 4:00 P.M. - 4:30 P.M. on Saturday, April 29 to test this new emergency outlet. The program, which will originate through the facilities of WHA-FM, will feature a panel discussion by William K. Chipman, State CD Director and the heads of various civil defense services. The special program is designed to acquaint the people of Wisconsin with this new source for emergency instructions.

★ ★ ★ CD ★ ★ ★

## PREFABRICATED SHELTER MANUFACTURERS

The State Bureau of Civil Defense, from time to time, receives inquiries from local CD directors relative to the companies which manufacture prefabricated shelters. Following is a list of these companies together with interior dimensions, materials, and cross sectional shape of their family size models:

1. (a) **Wonder Building Corp. of America**  
30 North LaSalle Street  
Chicago 2, Illinois
- (b) **Interior** – 6'-7 3/4" x 8'-1 1/4"  
**Material** – corrugated steel  
**Cross section** – half circle with extended side walls similar to a "quonset" hut.  
**Use** – underground or basement
2. (a) **Battle Creek Steel Fabricating**  
256 North 28th Street  
Battle Creek, Michigan
- (b) **Interior** – 6'-4" x 10'-0"  
**Material** – plate steel  
**Cross section** – oval with flattened bottom  
**Use** – underground
3. (a) **Kelsey-Hayes Company**  
3600 Military Avenue  
Detroit 32, Michigan
- (b) **Interior** – variable  
**Material** – Hollow steel irregular shaped to be filled with sand.  
**Cross section** – rectangular  
**Use** – basement
4. (a) **James Raisin**  
2383 Orchard Lake Road  
Pontiac, Michigan
- (b) **Interior** – variable  
**Material** – corrugated steel  
**Cross section** – oval flattened on bottom  
**Use** – underground (see figure 17 of MP-15)

\*\*\* CD \*\*\*

## NORTH CAROLINA STUDENT WINS CD ESSAY CONTEST

Miss Linda Orsborne, a 17-year old student from Wilkesboro, N.C., won first prize for her essay on "Civil Defense – An American Tradition" in the National High School Essay Contest sponsored by the Ladies Auxiliary of the Veterans of Foreign Wars.

Linda's essay topped those of 49,999 other students who entered the 25th annual contest which was conducted with the cooperation of the Office of Civil and Defense Mobilization.

Other winners were: Leta Crangle, 17, Butte, Montana – 2nd prize; Ann Barbara Farry, Coventry, Conn. – 3rd prize; and Melvyn Friedman, 17, Detroit, Mich. – 4th prize.

Contest eliminations were held at the local and state levels, and 24 national winners were selected from the 50 state finalists.

A booklet titled "Civil Defense...An American Tradition: Four National Award Winning Essays" has been published by OCDM and may be obtained in limited quantities from OCDM Operational Headquarters, Battle Creek, Mich.

OCDM has made distribution of the booklet to all VFW Auxiliary departments and posts, 28,000 high school libraries, and state and local CD organizations.

\*\*\* CD \*\*\*

## SHELTER HABITABILITY STUDY MADE

Results of a shelter confinement study made recently in Pittsburgh showed that human beings can withstand such confinement for as long as two weeks without serious psychological or social stress.

The study, which was the first conducted in the United States to test the behavior of men, women, and children under prolonged shelter conditions, was made for OCDM by the America Institute for Research – a nonprofit organization which does basic and applied research in the behavior sciences.

The experiment was carried out with four groups of 30 persons, each of which inhabited a shelter constructed by the Institute in Pittsburgh. The first three groups remained in the shelter for one week and the fourth group, for two weeks. An actual attack situation was simulated by broadcasting taped CONELRAD reports on outside conditions.

Generally, the study showed personnel and social adjustment to shelter confinement was generally good, with younger people tending to adjust better than the older. Agitation and tension were greatest immediately following shelter entry and prior to release. Mild depression was common toward the middle of the shelter period. The subjects reported that lack of water for washing and bathing was the greatest overall discomfort factor.

\*\*\* CD \*\*\*

## AGRICULTURE PERSONNEL ATTEND RADEF MEETING

Representatives of the State Department of Agriculture and University of Wisconsin Agricultural officials attended a USDA briefing on the effects of fallout on agriculture at the State Hygiene Laboratory in Madison on April 19.

USDA personnel conducting the briefing were Dr. James D. Lane, Dr. Frank Todd, and Dr. Robert A. Moody.

Topics discussed during the morning session included "Biological Effects of Radiation on Livestock"; "Remedial Measures for Agriculture"; and "Dose and Dose Rate Problems." In the afternoon, the program was devoted to measures to be taken in the decontamination of food, personnel protection, and allowable exposure times in fallout areas.

Dr. A. A. Erdmann, State-Federal Veterinarian, chaired the morning session and Donald V. Jensen, Wisconsin Department of Agriculture, the afternoon portion of the program.

\*\*\* CD \*\*\*

### APPROVED CD PLAN REQUIRED FOR SURPLUS PROPERTY ELIGIBILITY

Federal regulations effective January 1, 1961 relating to civil defense surplus property require that all political subdivisions have a written Operational Plan, duly constituted, accepted by and on file at the State Bureau of Civil Defense before they can be certified as eligible donees for such property.

The above requirement is in addition to State Bureau regulations governing surplus property which require that a certified copy of a civil defense ordinance establishing a program be on file at State CD Headquarters. Both of these requirements are mandatory - there are no exceptions.

Municipal and county prototype plans and working drafts for writing a local civil defense plan have been furnished to civil defense directors as a guide for the preparation of their own plans.

A limited supply of this material is still available and may be obtained on request to the State Bureau.

\*\*\* CD \*\*\*

### AM 25-1 TO BE USED FOR CONTROL CENTER PLANNING

Guidance for the planning, design, and construction of CD control centers or emergency operating centers can be found in Chapter 14 of the Federal Contributions Manual, AM 25-1. Eligible items for emergency operating centers is included in this section.

U. S. Civil Defense Bulletin titled "Control Centers," printed by FCDA, April 1951, and reprinted in May 1958 as MP-25-4 is OBSOLETE and should not be used for control center or emergency operating center planning or design.

\*\*\* CD \*\*\*

### NEW FEDERAL CONTRIBUTIONS CRITERIA

Effective July 1, 1961, all applications for Matching Funds (AM-25-1) must be based on a written operational plan, duly constituted, accepted by and on file in the State Bureau of Civil Defense. Such plans must be consistent with and conform to the National Plan for Civil Defense and Defense Mobilization and the State Operational Survival Plan. Criteria for the preparation of local operational plans is as established in Paragraph IV A, OCDMR4 P&A Memorandum 4-P&O-60, dated October 18, 1960 and in Municipal and County Prototype Plans, copies of which have been distributed to civil defense directors.

In addition to the above requirement, applicants for Matching Funds (AM-25-1) must have a program paper approved by and on file in the State Bureau of Civil Defense, also effective July 1, 1961. The program paper will be in support of the state CD program

and prepared in accordance with instructions contained in OCDMR4 P&A Memorandum 4-P&O-60, October 18, 1960.

These requirements have been in effect for the Personnel and Administrative Matching Funds Program (AM-25-2) under Public Law 85-606 since initiation of that program on January 1, 1961, and have now been extended to cover the entire Federal Contributions program. Additional copies of P&A Memo No. 4 may be obtained on request to the State Bureau.

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### CIVIL DEFENSE LOSES A FRIEND

The untimely death of Gust Sandstrom, Washburn County CD Director, on April 4 has left a void in his community that can not soon be filled.

Always an energetic and willing worker, even when in ailing health, Mr. Sandstrom was admired by those who knew and worked with him. Despite the demand of his job as county veterans service officer, Gust still found time to devote many hours to civil defense.

He was also a member of the Moe-Miller American Legion Post, active in Masonic orders, and was secretary of the Indianhead Shrine club. Mr. Sandstrom had been a resident of Spooner for the past five years, and previously had operated a resort in Birchwood.

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### ELLIS TO ASK \$300 MILLION FOR CIVIL DEFENSE

Frank B. Ellis, Director of the Office of Civil and Defense Mobilization, has announced that he will probably ask Congress for \$300 million for Fiscal Year 1962 with part of the funds to be used for a stepped up shelter program. The amount is five times the total budget of OCDM for the current year and an increase of \$195 million over the amount requested in President Eisenhower's budget.

Stressing that radioactive fallout would be the greatest menace in event of nuclear attack against the U. S., Ellis said that 46,000,000 shelter areas throughout the nation can be located, marked and upgraded for an estimated \$50 million. In addition to this program, he would earmark another \$20 million for the construction of shelters in all new Federal buildings and spend an estimated \$75 million a year for the next ten years to maintain a nation-wide stockpile of medical supplies sufficient to meet the nation's emergency medical needs for six months after an attack.

Ellis also feels that the Federal government should insist on the construction of shelters in all schools in which it invests Federal money, and believes the same sort of requirement should be written into urban renewal and public housing projects. He said the U. S. is currently only spending 33 cents per capita on civil defense, whereas \$250 per capita of population is being spent on military defenses.

# CIVIL DEFENSE AROUND THE STATE

- - - - what your neighbors are doing - - - -

**PORT WASHINGTON** - John P. Dries, Ozaukee County CD Director, reports that the county auxiliary police unit has moved to new quarters in the courthouse annex. New uniforms have been purchased for the unit with county funds and will be worn during OPAL 1961. This fine group is captained by Ed Campion of the county traffic department.

\*\*\* CD \*\*\*

**MADISON** - Four new air raid warning sirens have been approved for purchase by the city with Federal Matching Funds at a total cost \$5,198. Half of the cost of purchase and installation of the sirens will be paid by the Federal government. Two of the sirens will be installed in the 15th and 22nd wards and will serve approximately 6,500 people. The other two will be located at Monroe and Harrison streets and Odana Road and Midvale Blvd. on the West side where they will cover a total area of 13,700 population.

\*\*\* CD \*\*\*

**MONTELLO** - A 10-hour course in Radiological Monitoring is being given in this area, it was announced by Gilbert Radke, Marquette County CD Director. The first session was held at the courthouse on April 10 with subsequent classes of two hours each scheduled on Monday nights for five weeks. The course deals with the use and maintenance of radiological detection instruments. Alfred Christensen of Mishicot is instructing the course.

\*\*\* CD \*\*\*

**APPLETON** - A recent survey of registered nurses made by the Appleton District Nurses Association Committee on Nursing in National Defense indicated that a total of 225 nurses in Winnebago, Outagamie and Waupaca counties are interested in taking a disaster course which would prepare them for a major disaster. Results of the survey were given to CD officials in the three counties and it is expected such a course will be held this fall.

\*\*\* CD \*\*\*

**MERRILL** - A new basic civil defense course held in conjunction with the local unit of the Civil Air Patrol has been started in this community, according to a report received from Harry Johnson, city CD director. The first class was held April 11 at the VFW hall. Roland Sherriff, CAP commander urged all members of his group to take the course. Other interested persons in the area have been invited to attend, if possible.

\*\*\* CD \*\*\*

**RACINE** - Police Chief LeRoy C. Jenkins, City CD Director, has announced that construction has been completed on the prototype family fallout shelter in the basement of the home of Mr. & Mrs. Leo Lotharius 2509 N. Main St. in Racine. The shelter was built with Federal funds under the National Shelter Program and will be open for public inspection at specific times designated by the Racine CD office. Groups and organizations wishing to visit the shelter should contact Chief Jenkins at the city police department.

\*\*\* CD \*\*\*

**STURGEON BAY** - Door county has what is believed to be the first three CD auxiliary policewomen in the state. Members of the fair sex recently receiving certificates of graduation are: Mrs. Beatrice Conard, Mrs. Erwin Matzke and Mrs. Henry Hunsader, all of Sturgeon Bay.

\*\*\* CD \*\*\*

**GREEN BAY** - Brown county will shortly purchase a four-wheel drive light duty rescue vehicle with complete equipment, to be used as a standby emergency civil defense unit. Low bid on the vehicle, which will be financed by county and Federal matching funds, was \$5,889. The low bid was submitted by Northern Truck Service. Other bids were \$6,055 by Humphrey Chevrolet and \$7,836.35 by the International Harvester Co.

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