



BEAUTIFUL HANDMADE quilts, dressed dolls, stuffed soft animals for babies, aprons, household linens and home-cooked foods are to be offered to the public at the annual bazaar sponsored by women of the Church of Jesus Christ of Latter Day Saints. Dates are Friday and Saturday, November 21-22, in the Home Appliance Store, 1001 Main Street. Chairmen of various committees are, left to right, Vesta Lewis, Annette Clark and Maxine Lawrence.

Carbon's Fallout Danger Cited By CIT Professor

By DELOS SMITH
UPI Science Editor
NEW YORK (UPI)—Don't fast-shuffle the carbon-14 produced by hydrogen and atomic bombs — it poses a much greater threat to living and future generations of mankind than widely publicized strontium-90 and other bomb "fall-out products," Dr. Linus Pauling asserted recently.

He is professor of chemistry at California Institute of Technology, a Nobel Prize winner, and an outstanding scientific critic of continued nuclear test explosions. With highly refined mathematical equations, he challenged Dr. Willard F. Libby, scientific member of the Atomic Energy Commission, who holds that carbon-14 from bombs does not menace health.

Pauling's calculations showed that for each year of bomb testing at the present rate, there will be the following consequences due to carbon-14: 55,000 children born with gross physical and mental defects; 170,000 stillbirths and childhood deaths due to inborn defects; 425,000 baby deaths either in the womb or immediately after birth for the same reasons.

This, he pointed out in a communication to the technical organ of the American Assn. for the Advancement of Science, is 17 times more than estimates of the damage to future generations from undisputed dangerous "fall-out products" for each year of bomb-testing. He granted that his calculations were subject to a very wide margin of error—the future effects could be five-times greater or only one-fifth as great. But even if less, carbon-14 from bombs is a very real threat, he said.

As for the living, carbon-14 is as great a threat to them as is strontium-90 and other "fall-out products" as regards bone and

blood cancers, and a greater threat as regards diseases resulting from radiation damage to other body tissues, he continued. Carbon-14 and strontium-90 both are radioactive isotopes of those elements. Strontium has special affinity for bone and when its atoms are radioactive as in the strontium-90 form of the element the danger is great. The human body has carbon atoms in its every fiber and sinew; this radioactive carbon would have special affinity for the whole body.

This would include the reproductive chemistry which produces the genes that transmit not only characteristics but structural and functional soundness from one generation to the next. Radioactive carbon participating to some slight extent in this chemistry, could make changes in the genes that would cause fatal and non-fatal defects in offspring.

But human beings and everything else living have lived with carbon-14 since their very beginnings. Cosmic rays react with the nitrogen atoms, which constitute the bulk of the atmosphere and convert a very small percentage of them into atoms of carbon-14. These atoms, with a radioactive half life of over 5,000 years, are

in the atmosphere, the seas, the ground, even the rocks.

They're taken up by plants. People and animals eat the plants and thus carbon-14 atoms find lodgment in their bodies. The question is how many can living bodies contain without harm? Obviously the atoms made by cosmic rays have never been in sufficient numbers to interfere with life.

Pauling's assertion was that nuclear explosions add enough of these radioactive carbon atoms to the existing and continuously renewed supply to pose a threat to life which is keyed in intensity to the number of explosions. Each explosion releases a large number of neutrons which are atomic nuclear particles without electric charge. A relatively few of these combine with nitrogen atoms and form carbon-14 atoms.

The nub of his challenge to Libby was that enough nitrogen

atoms were so converted as to change the natural balance of carbon-14 atoms with other elements and threaten human life, existing and future, in an entirely new way. Libby's calculations, which are several years old, showed the contrary.

BLV, OREGON
THURS. - SAT.
"COWBOY"
In Technicolor
Glenn Ford - Jack Lemmon
ARCH THEATER

Modoc County Road Funds Told

ALTURAS — The California Department of Public Works has announced that Modoc County has been allocated both federal and state funds for work on county roads in the federal aid secondary system in the amount of \$177,559.

Federal and secondary roads are next in importance to state highways in terms of traffic volume and economic service to communities they serve. They are often referred to as feeder or farm-to-market roads.

This work on county roads in the federal aid secondary system must be completed by December 1, 1953, under the big federal-state highway construction speedup plan. The program was designed as an anti-recession move.

Turkey Shoot Plans Told

MERRILL — Plans for a turkey shoot to be staged early in December were discussed by members of the Merrill Lions Club during a regular dinner business meeting held Monday evening, November 17, in the Merrill Recreation Hall. President Bill Falvey appointed Don Harris, Bob Graves, Jim Shuck, Don Crawford and Jim Lampkins on the turkey shoot committee with Phil Smith as committee chairman. More details of the event will be released at a later date.

Other future events in store for the Merrill club were announced. On December 10 the Lions members will meet with the Tulelake Rotary Club in a joint meeting at the Sportsman's Club in Tulelake. The meeting will be held at noon. The annual Christmas dinner and ladies night will be held Monday, December 15, at the Merrill Recreation Hall.

A Lions basketball tournament

will be held at Merrill, date to be announced. Merrill will also host the next zone meeting scheduled for March 9, 1954.

Mel Brooks reported that a trophy case for the recreation hall is being built.

Activity schedules and the administrative budget were presented to members for study by Don Crawford and Jim Lampkins.

Guests attending the meeting were Tom Chatburn, Ken Clelland, Bael Fisher and Al Childress of the Dorris Lions Club.

Program of the evening was an interesting talk with slides on wildlife in our area by Jim O'Donahue.

NO SPENDTHRIFT
NAPPANEE, Ind. (AP)—Carl Hoffer may be just the man to balance the national budget. On a recent fishing trip companions testified Hoffer caught 18 bluegills by using only three hard-working worms for bait.

Funeral

HOBSON
ALTURAS — Final rites were held for Hiram B. Hobson, 69, from the Bruise Funeral Home in Chico, California, on November 14. The Rev. M. M. York of the Quincy, Plumas County, Assembly of God Church, officiated. Hobson, native of Burney, died Tuesday, November 11, in his home. He operated a cattle ranch near Alturas before and after serving in World War I. After moving to Chico in 1930, he was employed by the Pacific Gas and Electric Company until his retirement in 1954. He is survived by the widow, Merle, of Chico; his children, Mrs. Mildred Shoemaker, Mrs. Jean Appel and Cal A. Hobson, all of Chico; Mrs. Lois Coats of Placerville, California, and Bethel Hobson of Centralia, Washington; a brother, Harold Hobson of Chico; and two sisters, Mrs. Jennie Dungan of Redding and Mrs. Lillie Spaulding of Anderson.

In Hebrew, the girl's name Susan means "a lily."

THEY'RE HERE AT LAST
FRESH JUMBO CRAB
FRESH OYSTERS jar 59c
Finnan Haddie and Fresh Salmon
LUTEFISK (Frozen and Stock Fish)
RETAIL and WHOLESALE
OPEN 7 DAYS A WEEK
Crescent Sea Food
2836 So. 6th Ph. TU 2-0161

BEST BAKER IN TOWN!

SUPER-SIZE TURKEY OVEN

only **\$2.50** per week after small down payment

LOOK AT THE **SHAPE OF TOMORROW** STYLING AND FEATURES

AND JUST LOOK AT THESE CONVENIENCE FEATURES:
Big economy even—preheats quicker, bakes faster, uses current only 7 to 10 minutes each baking hour.
Convenient full-width storage drawer, plus side compartment. Optional Automatic Grill!
Optional Rotisserie!

NEW BAKING PERFECTION—Spread-Even Heaters radiate heat evenly between top and bottom. Balanced heat is protected by door's lifetime Miracle Seal.

NEW CLEANING EASE—Both oven and surface units plug-out for easiest cleaning. Safe and trouble-free, too. A range isn't really new if it doesn't have this feature!

YOU CAN BE SURE...IF IT'S
Westinghouse

CL-40

This THANKSGIVING
Set Your Turkey On A
Quaker Lace Tablecloth
In The Beautiful Jubilee Pattern from **YOUR STORE**

A Luxury Blend of Rayon & Cotton
A clean-cut, gorgeous lace pattern. The figured solid work lends contrast to the beautiful scroll border & matching center.

45"x45" \$4.98 | 70"x90" \$8.98
54"x70" \$6.98 | 70"x108" \$10.98
70" Round \$7.95

Other Quaker Lace Cloths Priced To \$39.98
We Have an Excellent Selection of Fine Dinnerware For Your Thanksgiving Table

YOUR STORE
721 Main St. TU 4-4561

We Give "G.M." Green Stamps
ASK ABOUT OUR PAYMENT PROTECTION PLAN

KIRKPATRICK'S

East Side Appliance
132 So. 7th Ph. TU 4-8886

week end SPECIALS!
Thurs.-Fri.-Sat. ONLY!

Slumber-Soft Nylon, Rayon BLANKETS
Reg. 5.95 NOW! **\$4.69**

Lightweight Cotton Plaid BLANKETS
Reg. 2.29 NOW **\$1.99**

HEATING PADS
Electric — Full 1-Year Guarantee
Reg. 4.95 NOW **\$3.59**

Cold & Drug Remedies!

Super Anahist TABLETS 98c
Shortens Effects of Colds in Any Stage.

Fast Acting COLDENE \$1.00
Liquid Cough Medicine. Recommended by Parents Magazine.

VACAGEN 98c
Oral Cold Vaccine by Sharpe and Dohme.
20 Tablets . . 1.35
60 Tablets . . 3.37
100 Tablets . . 5.40

NEW! By Whitehall (The Maker of Anacin) DRISTAN 98c
Systematic Relief of Colds • Hay Fever • Sinus Congestion
24 Tabs

ASPIRIN 200 for 49c
Reg. 49c - Rubbing

ALCOHOL Pint 29c

3 for 1.00 SPECIALS

Reg. 98c ea. Costume Jewelry **3 for 1.00**

Johnson & Johnson Family Pack
Reg. 63c ea. Band Aids **3 for 1.00**

Film - 120 - 620 - 127
3 rolls 1.00

Reg. 39c ea. Quality Envelopes
3 Jumbo 1.00 Pkgs.

Save 12¢ OFF Regular Price of Economy Size
GLEEM

YOU PAY ONLY 57¢ Regular Price 69¢

All Boxes of Christmas Cards 30% OFF

REG. 1.00 BOX 70c
REG. 1.25 BOX 88c
REG. 1.50 BOX 1.05
REG. 2.50 BOX 1.75

WESTERN THRIFT
Headquarters For Your Drug Needs