

Merry Christmas

To all our friends

A. & P. Store

R. L. Whitlock, Manager

From "shirtsleeves to shirt-sleeves" was an old axiom, but it took the stock exchange to leave a lot of the boys without even a shirt.

When Michigan sets up those state-controlled liquor stores here's hoping they make Louie, the bartender, wear cleaner aprons than he used to in the old days.

Our Wish

MAY the Angels who first brought Christmas songs into the world bring you much joy in this present Christmas and guard your steps for good in all days to come

Merry Christmas Aldrich Nurseries

Clarence Aldrich, Prop.

Grand River at Middle Belt Road

Phone 314

Farmington

We Extend The Season's Greetings

TO OUR FRIENDS AND NEIGHBORS. We have appreciated your patronage since we introduced the new Plymouth and Dodge cars to Farmington. It will be true in 1933; as it has been in 1932, that.

Plymouth Sets The Pace

Otis-Grace Motor Sales, Inc.

Dodge—Plymouth

33015 Grand River

Phone 1

Our Thoughts At Christmas

Go out to each of our friends to wish them knowledge to solve their problems, light for their pathway, and prosperity to fill their material needs.

Farmington Dairy

Phone 135

Jos. Himmelspach, Prop.

Ring In The New

Merry chimes announce another Christmas and the advent of a New Year. The new management of Silver Moon Inn hopes that for all our patrons 1933 is a year of unparalleled good fortune.

SEASON'S GREETINGS

Silver Moon Inn

Grand River and Orchard Lake Roads
FARMINGTON JUNCTION

CLARENCEVILLE
Mrs. Fred Menke

The children are requested to go to the Peoples State Bank with their parents and draw out their school savings money.

Mrs. Fred Menke and son spent the week end in Detroit, the guests of Mrs. Mary Lynch.

The I. O. O. F. Lodge held a Christmas party for the children of the Community Thursday.

Cameron Coe won the large live Christmas tree at the Welfare party Tuesday evening.

Mrs. Mabel McDaniel of Mesick, Michigan is a guest at the home of Mrs. Clarence Aldrich.

Wm. Shaw and John Grace have returned from a two-months visit in Texas.

Mrs. David Ryall entertained the Cheerful Circle at her home on Wednesday.

Mrs. Stanley O'Neal entertained the Teachers Club Wednesday evening at the home of Mr. and Mrs. Humphrey Sauve on Eight-Mile Road. Bridge was played, Mr. Bieser winning the prize for high score.

Robert Earle of Belding, Michigan, was a guest of his brother, Hubert Earle, this week.

Easy will close on December 23 and open January 9. The pupils

of the various grades are having a Christmas tree and program. The teachers furnished a tree, trees and boxes of candy and nuts and in some rooms, toys for each pupil.

ALERT OPERATOR SENDS AID TO STRICKEN WOMAN

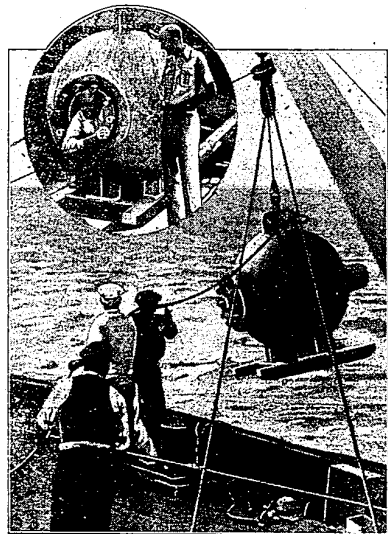
Unable to speak, an aged woman at home alone in Los Angeles, managed to dial a telephone operator. The operator, in answer to her response, heard only a strange tapping noise. "Tap, tap, tap—" was the only sound that came over the wire.

Miss Mary Terrio, supervisor in the Hillside office of the Southern California Telephone Company, communicated with the police. An ambulance was sent to the house, and the doctor found the aged woman near death. Treatment at the hospital revived her, and the quick thinking of the telephone operator is credited with saving her life.

The woman had suffered a stroke and, while unable to talk, was able to tap her foot near the mouth-piece of the telephone.

Go window shopping in your easy chair. Read the advertisements.

Scientist Submerged in Bathysphere Broadcasts From Atlantic's Depths



Wid. World Photos
Steel ball containing Otis Barton, its inventor, and Dr. William Beebe, on its way down to nearly half a mile below the surface. Inset: Mr. Barton in bathysphere, Dr. Beebe beside it.

While dangling in a steel ball nearly half a mile below the surface of the Atlantic Ocean off Nonsuch Island in the Bermudas, Dr. William Beebe, the New York Zoological Society's famous ocean explorer, spoke to the audiences of fifty-two NBC radio stations not long ago. Employing a telephone set like those now being used by the operators in Bell System central offices, he gave radio listeners a detailed description of his passage to the ocean's depths.

Soon after he and his companion, Otis Barton of the American Museum of Natural History, the inventor of the steel ball, called a bathysphere, had been securely sealed in the globe and were on their way downward, Dr. Beebe reported that the ocean water was as "black as Hades." Shortly after, however, when they had reached a depth of about 1,500 feet, he declared that fish were swimming about under their own light. At 1,750 feet, he said the number of lighted fish had increased and at 1,900 feet, he exclaimed that everything was "lit up."

Talk With Tug Is Broadcast
Down another hundred feet, the scientist, who has been a student of deep-sea life for years, was astounded by what he saw. At one point he reported seeing "loads of little—I don't know what they are; I never saw anything like them." Here the progress of the bathysphere was halted while the naturalists made pictures of the strange forms in front of them. Radio listeners heard the clicking of their camera.

The broadcast was a conversation between Dr. Beebe, in the bathysphere, and his secretary, Miss Gloria Hollister, on the Freedom, the tug-boat from which the ball was suspended. During the dive, Dr. Beebe made continual requests to the men in the tug-boat to lower the bathysphere still farther. When the ball had reached a depth of 2,500 feet, Dr. Beebe reported that the ball was "rolling like the dice-cup." This was caused by the set on the surface which was tossing the tug. Soon after, as the rolling continued, the order was given

to haul the bathysphere to the surface.

Before Dr. Beebe made his spectacular dive of 1930, when he went down to a depth of a quarter of a mile, he inquired of the Bell Telephone Laboratories as to what type of telephone equipment would be best to use between the bathysphere and the surface. The Laboratories presented him with two sets incorporating a new operator's transmitter which is now in use in telephone central offices.

Pressure of Nearly 5,000 Tons

The transmission element in these transmitters is the same as that in the lapel microphone which was such an important factor in the broadcasting of the political conventions last June. The set is relatively insensitive to stray noises, an essential when used in a hard-wall space such as a steel ball.

The bathysphere itself is four feet nine inches in diameter and weighs 5,000 pounds. Its steel walls are about an inch and one-half thick, and entrance to the ball is through a manhole over which is clamped a 400-pound lid. Inside, oxygen is supplied from a tank and chemicals in trays take up the exhaled carbon dioxide gas and the moisture given off by the body. Telephone and electric light wires pass along the supporting cable. At a depth of 2,200 feet, it is estimated that pressure on the ball is nearly 5,000 tons.

A Circuitous Hookup

The circuit for Dr. Beebe's broadcast was unusual. After his words reached the deck of the Freedom over the telephone wires from the bathysphere, they were sent by radio to telephone to the receiving station of the Imperial International Communications, Ltd., near Hamilton, Bermuda. From Hamilton the circuit followed wire lines to the transmitting point at St. Georges, Bermuda, and from there over regular Bermuda radio telephone channels to the American Telephone and Telegraph Company receiving station at Netcong, N. J. From there the circuit led to New York, where the program was supplied to the broadcasting stations over nearly 15,000 m.c.s. of program transmission circuits.

A Merry Christmas

And MAY 1933 BE YOUR HAPPIEST YEAR

Holding for you a generous store of prosperity and good health.

We thank you for the patronage you have accorded us during the past year, and trust we may continue to serve you during 1933.



Wilsher's Service Station

Orchard Lake And 12-Mile Road

Thank You And A Merry Christmas To You!

I wish to thank the people of Farmington for their fine welcome to the new ownership of Boston Shoe Repair Shop. It is greatly appreciated.

To all our patrons we wish a Very Merry Christmas and a most Happy New Year

Boston Shoe Repair Shop

S. Mekjian, Proprietor

Farmington

Grand River and Farmington Road

Holiday Greetings.

We wish you a very

Merry Christmas

and hope that 1933 may bring the fulfillment of all your dearest desires.

Chamberlain Service Station

Harold Chamberlain, Prop.

Grand River and Farmington Road

SINCLAIR GAS & OILS

Best Wishes

May 1933 Bring To Each Of You 365 Days Of HEALTH, HAPPINESS, And PROSPERITY

Merry Christmas and a Happy New Year

Geo. E. Young Barber and Beauty Shop

Clarenceville

Phone 310F4

The Sugar Bowl

Extends to You and Yours Its Very Best Wish For

A Merry Christmas

And A

Happy New Year

JIM AND GEORGE