

## HUMAN EAR VERY DELICATE ORGAN

Acoustics, the science of sounds, or the science of hearing, includes the production, the propagation and finally the audition of sound. By sound is meant, those vibrations or waves traveling in any manner, which, if they reach the ear, produce a sensation called audition, or hearing.

The ear is the organ of hearing, and is divided into an outer, a middle, and an inner ear. The outer ear constitutes the auricle and external auditory canal. It is for the collection of sound waves. The drum-head separates the outer from the middle ear, and receives the impact of sound waves. Just internal to the drum-head is the drum proper, and within this cavity are the three auditory ossicles: the malleus, the incus, and the stapes. The stapes is attached by its foot plate to an opening on the inner wall of the drum where it comes in contact with the special end apparatus of the nerve of hearing.

The internal ear consists of finely developed nerve fibers of the auditory nerve, buried in a bony walled receptacle deep in the head. This cavity is filled with fluid in which floats these nerve fibers. The cavity is small at one end and gradually increases in size until the other end is reached; thus giving different lengths to the terminal nerve fibers.

Sound waves pass through the external auditory canal to be received on the drum-head, which sets in motion the three ossicles; from the footplate of the stapes the vibration is transmitted to the fluid in the internal ear. A wave-like motion is started in this fluid until the nerve fibers which correspond in length to that wave is struck and the impression is conveyed to the brain. This motion is called sound, and the reception of sound is called hearing.

The human ear has a normal range of hearing for musical tones ranging from 16 to 22,000 audible vibrations per second, or 11 octaves. This will be appreciated when it is realized that the largest organs in the world do not have over eight octaves, the piano seven and the violin three and one half octaves.

Such a delicate organ is easily gotten out of order, even though it is well protected. Foreign bodies in the outer canal of the ear, including wax which has accumulated, interfere with hearing. The different types of catarral affections, which impair the mobility

## Widow and Children of Murdered Publisher



At the left is Mrs. Don Mellett, widow of the Canton (O.) publisher who was shot to death following his editorial war on vice and graft. Above are their children. Betty is at the left, Evans in the center, Jean at the right and Martha in front. At the stop, a sketch shows how Mellett was shot down.

## Nine Detained in Conspiracy Case

PORTLAND, Ore., July 28.—Nine persons have been arrested in connection with the Roy Moore liquor conspiracy case, it became known last night. Three were arraigned yesterday and all were held on heavy bail. Moore was the government's principal witness in the trial of Arthur Christensen and the Smith brothers, former state dry agents. Evidence in the present conspiracy case is being kept secret.

The fellow who holds the attitude record has no idea what to do with it.

of the ossicles and drum head, diminish hearing. Adenoids, diseased tonsils, and nasal catarrh are frequent causes of deafness. Disease of the inner ear usually means nerve deafness.

## MOTOR ASSOCIATION AIDS ALL AUTOISTS

But few motorists realize that the Oregon State Motor Association is working for every motorist of the state, as well as every visiting tourist from other states, 365 days every year and twenty-four hours every day," said Geo. S. Brandenburg, general manager of the Oregon branch of the A. A. A. in discussing the services rendered by the Oregon club. "True, the office of the Oregon State Motor Association is closed from one o'clock in the morning until six; but when the office is closed, the issuing of personal information and service from that source, the motorists driving in the state are receiving direct benefits from the engineering department, the publicity department and the information department as well as the first aid towing, and emergency road service, and the standard of service that is assured by the institutions displaying the official sign of the association."

In analyzing these broad statements, Mr. Brandenburg pointed out that the engineering department is rendering a continuous service in the logging of roads, placing of signs and the making of maps that maintain a sleepless vigil over the roads in directing the traveler properly to his destination. The emergency first aid road and towing service is subject to call day and night for members of the A. A. A. who have met with misfortune on the roads and all members are assured of a standard service from all garages, service stations, restaurants, hotels and other institutions displaying the official sign of the Oregon State Motor Association as affiliated with the A. A. A. The supervision maintained over all such institutions does not cease with the going of the goons of the

## Honor Memory of California Man

ANDERSON, Cal., July 28.—(UP)—The grave of one of California's oldest and most colorful citizens, Melos Piron, R. Reading, Shasta county pioneer, has been decorated with a bronze memorial tablet.

Major Reading, crossed the plains to California in 1849. He



Where Lake Sacajawea mirrors beautiful new homes  
**LONGVIEW**  
Washington  
LONGVIEW, Washington.—New industrial city of the Pacific Northwest—a proud of its advantages as an ideal location for industries with its unexcelled transportation facilities—rail, river, ocean, highways. But it is also justly proud of its wonderful beauty and fine living conditions. One of Longview's most charming spots is Lake Sacajawea, a body of crystal blue water 1 1/2 miles long which borders several residential sections. It is completely encircled with boulevards, by wide plots of park-like lawns, flowers and shrubbery. Ingenious landscaping has provided miniature islands ornamented with huge old trees. Lake Sacajawea is part of a million dollar gift by one of Longview's benefactors, the entire sum to be expended for civic beauty. By all means, see Longview this summer. For further information address Dept. 175 THE LONGVIEW COMPANY Longview, Washington.

## Increased Beauty If You Want It

You have wanted a skin food and beautifier that keeps the face young. There is a new French Process Cream that will do this. It is so pure and different and application brings a change. It is called MILLO-GLO and everybody says it is wonderful. Get MILLO-GLO Cream now and increase your beauty.



COOL OFF at the nearest fountain.  
ASK FOR Ashland Creamery's "Shasta" Ice Cream and Bottled Soda Waters  
There's None Better  
"Eat More Ice Cream—It's a Food As Well As a Confection"



## Here's a Prepared Wall ready for your home

SCHUMACHER Plaster Wall Board simplifies the building of walls. These big sheets are easy to handle. They're rigid but not brittle. They'll stand the hard knocks a wall receives. And they won't crack or chip. Just nail them in place and your wall is finished—ready for the decorator. No lath, plaster or muss. The expense is less, too.

Schumacher Plaster Wall Board is made to last for generations. It is a big slab of gypsum covered with a tough sinewy fibre. It will not burn it. Damp climate will not warp or rot it. It deadens sound. The joints fit so perfectly it makes a flawless, single-piece wall.

Your lumber dealer can supply you.  
SCHUMACHER WALL BOARD CORPORATION  
LOS ANGELES SEATTLE SAN FRANCISCO  
WAREHOUSES—Tacoma Portland Proctor San Rafael  
Oakland San Francisco San Jose San Diego

You will find a complete stock as well as free samples and full information on Schumacher Wall Board at The Ashland Lumber Company  
On Oak Street Across the Railroad Tracks  
We will be glad to extend information on this Superior Wall Board

## ONE CALL FOR HELP SAVES TWO SUICIDES

BUDAPEST, (UP)—One call for help prevented two suicides here.

A man, the name of whom the police have not divulged, became desperate because of failure to obtain employment and decided to drown himself in the Danube.

Just as he struck the water he heard a cry for help and noticed another man struggling in the water. Being a good swimmer he hastened to rescue his unfortunate fellow-being.

We seem to have learned everything about sex except what it is good for.  
Most folks who don't believe all they hear go right out and tell it over again anyhow.

## Dry Organization Formed in Oregon

SALEM, July 28.—The dry forces have formed a new national enforcement and observance organization, the Dry Legion of America. The organization was conceived at a meeting in the Portland library last winter by an Oregon lumberman, Dr. Clarence True Wilson was named president of the Legion and G. L. Cleaver general. Nearly 200 membership cards were signed.

## "Shoo Fly"

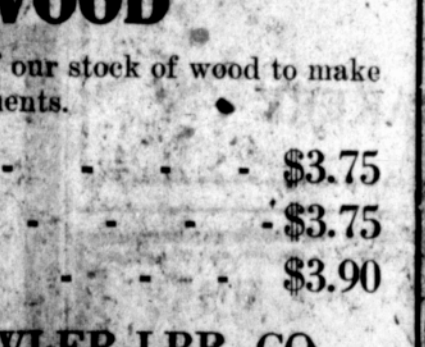
The Animal's Friend  
Keep Flies and other insects off your cow. Half-bent's worth saves three quarts of milk. Has been used by the best dairy men since 1885. Big shipment just in.  
Binder Twine and Grain Sacks at Peil's Corner

## SEE THE NEW REMINGTON SPORT RIFLE

30-06 in our window  
ARMY GOODS STORE  
Biggest Little Store in Town  
Opposite New Hotel — Open Evenings

## THE FRUITS OF SUCCESS

are Achievement and Financial Independence.  
The First National can help you attain them.  
We invite you to open your account today.



FIRST NATIONAL BANK  
ASHLAND, OREGON

## GUARD AGAINST THIEVES

By Placing Your Valuables in Our SAFE DEPOSIT VAULT  
The Citizens Bank of Ashland  
Ashland, Oregon

## SUMMER PRICES on WOOD

We wish to move some of our stock of wood to make room for incoming shipments.  
16 inch Fir . . . . . \$3.75  
16 inch Pine . . . . . \$3.75  
12 inch Block Oak . . . . . \$3.90  
CARSON-FOWLER LBR. CO.  
In the Heart of Town

## FINANCIAL STATEMENT

	1926	1925
<b>ASSETS</b>		
First Mortgage Loans on Improved Real Estate, Net	\$1,692,337.42	\$1,511,432.72
Loans on Members' Investments	132,953.85	117,218.66
Contracts Receivable on Real Estate Sold	15,468.22	7,064.80
Real Estate Acquired Through Foreclosure: Held subject to redemption	91,119.78	16,943.70
Owned	5,192.11	5,228.14
Total	96,264.99	16,229.54
Investment in Leased Property—Homes of: See Building	104,498.22	102,990.26
Furniture and Fixtures	4,188.23	7,537.72
Accrued Interest and Other Receivables	13,883.62	15,378.17
Cash on Hand and in Bank	64,009.36	33,282.19
Deferred Debt Items	241.58	729.12
TOTAL	\$2,011,682.99	\$1,811,714.29
<b>LIABILITIES</b>		
Members' Investments—Per Books	\$2,011,172.67	\$1,844,109.70
Accounts and Trade Payables and Accrued	13,475.73	11,923.62
Due Shareholders on Unredeemed Contributions Loans	166,543.17	137,704.98
Long Term Municipal Loans Payable	354.39	—
Special Funds	945.50	2,508.80
Deferred Income:		
Accrued Interest on Real Estate Loans	6,351.96	4,194.23
Other	2,028.82	1,284.21
Total Deferred Income	10,380.78	5,478.44
Reserves:		
Depreciation	11,012.31	7,130.55
Contingencies and Other	31,027.11	12,107.22
Total Reserves	42,039.42	19,237.77
Undivided Profits	84,709.89	64,614.42
TOTAL	\$2,231,662.99	\$1,916,714.29

Certificates of Audit are available upon request at the office of the Auditor and Loan Association, Portland, Oregon, for the year ended June 30, 1926, with copies of reports indicating members' deposits and loan payments which are held subject to the order of the Association.  
The full audit required through investment provisions is stated in copy, and is subject to adjustment to reasonable value when determined, and to liquidated value in an extraordinary case.  
We guarantee currency that, in our opinion, subject to the foregoing, the above Condensed Balance Sheet, June 30, 1926, is correct.  
HARRIS & BENTLEY, Certified Public Accountants

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