### THE CENTRE REPORTER, CENTRE HALL. PA.

"Honor System"

**Pleases** Farmer

More Loyal to Marketing

Bodies Than "Ironclad"

Contracts.

Co-operative marketing organiza-

tions of farmers throughout the coun-

try are rapidly dropping the so-called fronclad contracts by which their

members have been bound in the past

and are adopting an "honor system"

from membership at will.

present objections.

to seven years.

specifications.

out.

which will allow farmers to withdraw

This is the extensive movement revealed by Fred Wilmarth, marketing

expert, in an article written for the

Farm Journal. Mr. Wilmarth in a na-

tion-wide survey has found that 56 co-

operative associations now favor the plan which will allow members to withdraw at will, as against 20 that

He predicts that the "co-ops" will grow stronger both in loyalty and

membership in the future with the obligatory membership clause abolished

than under the plan which bound the

members to abide by the organiza-

tion's rules for periods of from five

peal in the organization period of

many co-operatives," says Mr. Wil-

marth. "The idea of making the other

fellow stick went over with a bang.

Then, too, it gave the new organiza-

tions a certain air of permanency that

was doubtless of value in the begin-

ning. But as an instrument to actually bind members to deliver their prod-

uct it hasn't worked according to

"I believe it will be borne out by most of those connected with the now-

operating associations that the member who is delivering his product is



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Get Pexel at your grocer's. Recipe booklet with complete recipes and accurate tables in each package. 30c. The Pexel Company, Chicago, Ill.



# His Regular Purchase

Blinks-Ever buy anything at rommage sale? Jinks-Huh? I have to buy my Sun-

day trousers back from one every time our church gives one.

> Jack Sprat, who was so fat, Complained to his wife, so

"I cannot get to sleep at night. Said she, "That's plainly

seen. You tramp about the whole

take."

night long And keep the house awake. Why don't you try some SALICON? It's just what you should

SALICON is just what a great many nervous people should take. It induces natural, restful sleep; yet it is not a dope; and of course, it is a well-known fac\* that SALICON does not affect the heart nor upset the stomach.

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## never this

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"TAKE ALL" LOTS OF FUN AND HOW

Above: Mr. Wensley speaks with "Mr. Televox!" Like a perfect gentle-man, the Westinghouse automaton re-man the Westinghouse automaton reable to hang up and signal the op erator again to get the correct num-However, should the dispatcher DAT have made this call with the expectation of operating something in the substation, he listens for the voice and as soon as he has verified the correctness of the number of the substation as indicated by the telephone number. he blows a blast on the proper whistle and the voice ceases and the machine is then in condition for further operation by means of the whistle notes. Should a circuit breaker opeh automatically, the Televox is put into action and lifts the receiver of the telephone and immediately begins saying at intervals, "This is the Televox call-ing for Main 5600." This will be continued at intervals until the central operator is able to complete the con-nection to the dispatcher's telephone. As soon as he hears this voice, he will stop it by a blast of the proper whistle and then proceed to question the ma-chine by further whistles as to what nas happened. The answers to these questions will be in the buzzer code which the dispatcher understands, As soon as the whistle stops the voice, the motor is also stopped and the lamps extinguished so that the film is in use only a very short time. While the usefulness of "Mr. Televox" is at present restricted to operation in the field of telephony, this newest development has great significance. For, as Mr. Wensley says, "The addition of this automatic voice considerably broadens the possible field of application for the Televox. It is not limited to the speaking of the two sentences but may be made to answer quite a number of questions correctly when necessity for such answers has been determined in advance. For instance, where it is not desired to use code signals indicating the amount of water in the reservoir, this mechanism can be made to state the height of water in feet, or it can be made to say that machine is cool or a machine is hot, or a machine is dangerously hot. It can be made to repeat any sort of routine report that can be selected by electrical circuits." Considering what has already been accomplished in the development of this automaton, it would be a rash person indeed who would venture to predict now what the future limitations in other fields of usefulness for "Mr. Televox" and his "children" will be. For, more and more, we are learning how foolish is any declaration of "It can't be done !" when American inventive genius sets about to prove that it can, no matter what "it" may be.

doing it because he wants to and because he believes in co-operative marketing, rather than because he thinks he'll be sued if he doesn't deliver.

American Trait. "This is peculiarly an American trait." We do what we want to do. and it riles us to be fold that we have to do anything. Contracts are necessary, to be sure. But the idea of forcing members to stick to their organization by threat of court action 18 of little effect.

"Neither can it be argued longer that the 'ironclad' feature is necessary

Compulsion Irritates Members. Such outstanding organizations as the California Fruit Growers and the Dairymen's league are among those who feel that the co-operative plan is lean; now so firmly established that compulsory membership of dissatisfied members will be more a hindrance than an 'aid in the future, he points "It must be admitted that the binding feature presented a powerful ap-



there could be developed a mechanical "man" of steel and iron who could be told to perform certain tasks and would do them, his reply would probably be similar to the exclamation of the old fellow who saw his first giraffe. And yet the ingenuity of an American inventor has developed such a man, but what is more remarkable still is the fact that he has given his automaton a "voice," and it can now "talk back !" If you are inclined to say "There ain't no such man !"-meet "Mr. Televox" and his inventor, R. J. Wensley of the Westinghouse Electric and Manufacturing company!

By ELMO SCOTT WATSON

HERE is an old story

about a man who went

to a circus, and when

he saw a giraffe for

the first time in his

life, exclaimed : "There

A few years ago, if

ain't no such animal.

you had told the aver-

age American that

When Mr. Wensley first brought his mechanical "man" into being, all that "he" could do was to obey certain commands to accomplish certain specified results. "He" could be called upon the telephone and would open and close switches and record the condition of instruments or mechanisms with which "he" was connected. But now Mr. Wensley has given him a "larynx," and the process can be reversed, so that if a report becomes necessary "Mr. Televox's" mechanical arm lifts the receiver of a telephone and his "voice" says "This is Televox calling Main 6100." After the telephone connection is made, the "conversation" (albeit a prearranged one) is contiuued uhtil certain information is conveyed.

As to how "Mr. Televox" has "found his voice," it can best be explained in the words of Mr. Wensley himself, who says:

To give the mechanism means for emitting articulate speech of good quality, use is made of developments in the "talking movie" industry. A in the "talking movie" industry. A piece of moving picture film about 15 or 20 feet long is spliced to make endless loop. In the present model two sentences are spoken. These are In the present model photographed near the two edges of the standard film, the rest of it being left standard him, the rest of it being left blank. The sound appears in the form of closely spaced lines of various shades and widths and frequency. In-. dividual lamps with special straight filament are arranged with lenses to concentrate the light on a very nar-

sponds in a smooth, well-articulated voice. The ability to talk is newly acquired, for "Mr. Televox" is less than a year old. Unlike human beings, he has an external "larynx," which is the large box at the right. The "vocal chord" is composed of voice oscillations recorded on a movie film in the box.

Lower left: (International Newsreel Photo) "Mr. Televox" further demonstrated his manifold uses when he put a section of the First battalion, Sixteenth infahtry, stationed at Governors island, New York city, through a portion of the manual of arms recently.

Lower right: Here is the "larnyx" of "Mr. Televox," the Westinghouse mechanical man. Mr. Wensley, inventor of the automaton, seems puzzled as he looks over the "vocal chord," which is nothing but a movie film of voice oscillations. Perhaps he wonders whether the language is absolutely fit and proper for reproduction before ladies. Or maybe he merely is wondering how he can get this huge "vocal organ" into the windpipe of "Mr. Televox." Unlike human beings, Mr. Televox never suffers from colds.

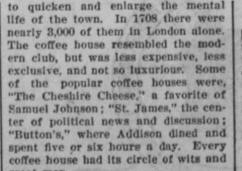
row portion of the film at any one time

A small motor drives the film whenever the voice is required. A selecting mechanism in the televox lights either one of the two lamps depending upon the sentence desired. The image of the filament is projected through a narrow slot onto the speech record through which it passes to a photo-cell. A photocell passes current directly in propor-tion to the amount of light falling on it. As the lines on the film pass in front of the light, the corresponding change of currents which take place in the photo-cell are amplified through a special shielded three stage ampli-fler to a volume sufficient to operate a small loud speaker. This speaker is placed in front of the telephone transmitter and is heard by the person at the other end of the telephone line exactly as though a human being were speaking the words into the transmitter.

When a call is put through to a substation equipped with a Televox hav-ing this voice attachment, the person at the remote end will hear a voice at the remote that will heat a volu-saying, "Televox speaking at Randolph 6400." This will repeat a second time and if the proper signal is not given by means of whistles or other musical devices, the Televox will then hang up the receiver upon the assumption that the call is a wrong number call. In

**Early Coffee Houses** 

The first coffee house in London was established in 1652. Sir Henry Blunt is sometimes called the father of the English coffee houses. They were political institutions during the reign of the Stuarts. In 1675 Charles issued a proclamation for the suppression of them, but it was recalled ten days later. They became the meeting places of statesmen, wits, merchants, and fashionable idlers. They did much | great men.



**Obeyed Orders Strictly** The new maid was not all that could

be desired. "Don't forget," her mistress warned her before her first dinner party, "coffee is served after everything."

"Yes, ma'am, I understand," replied the girl. And during dinner she served coffee after the soup, after the fish, after the meat and after the vegetables, as well as after the dessert .--Western Christian Advocate.

Each mind has its own method.

to establish the permanency of the co operatives," his Farm Journal article concludes. Those that are in successful operation are successful through plain business merit."

### Best Breeding Age for Heifers Used in Dairy

The age at which the heifer should come into milk depends somewhat on the breed to which she belongs and the rapidity of development of the individual. In all herds there are some helfers which mature more slowly than others, and it is well to postpone breeding of backward animals two or three months.

Production of milk has an important influence on growth and development, and too early breeding is apt to result in undersize, and this in turn is reflected in the productive ability of the animal.

Normally developed animals should be bred at the following ages:

Jerseys .....15 to 17 months

These figures are based on a study of the production records of the cows in the herd of the University of Missouri, and further information on Ayrshire cattle contained in Maryland Station Bulletin 217.

# \*\*\*\*\*\*\*\*\*\* Agricultural Squibs ......

It is more important to plant when the land is right than when the moon is right.

. . .

Sweet clover has no equal as a combined soil building, weed fighting, pasture and hay crop. . . .

If killed at an early stage, weeds have not the opportunity to sap the ground of moisture and plant nutrients.

. . .

The secret of weed control in the vegetable garden and with other cultivated crops is to destroy these pests while they are young.

The careless manner in which barnyard manure is often handled suggests that its value as a fertilizer and the manner in which it deteriorates when exposed to leaching and fermentation are not fully appreciated. . . .

Much of the alfalfa hay produced is of low quality due to a large percentage of the leaves being lost. Most of the leaves may be saved if the hay is raked into small windrows as soon as possible after the leaves have wilted and the curing completed in the windrows rather than in the swath.

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rom much walking or prinkle in the foot-bath, gently rub the sore and in-fiamed parts and relief is like magic. Shake Allen's Foot-Ease into your shoes in the morning Hanford's Balsam of Myrrb Since 1846 Has Healed Wounds and into your shoes in the morning and walk all day in com-Sores on Man and Beast Money back for first bottle if not suited All dealers

fort. It takes the noc. For FREE Sample friction from the shoe. W. N. U., BALTIMORE, NO. 29-1928. address, ALLEN'S FOOT-EASE, Le Roy, N. T.



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