By Edward N. Davis Formerly Technical Electrical Expert For U. S. Government

Lesson No. 196. RADIO DICTIONARY.

AUDIO-FREQUENCY AMPLIFICATION.

"BOOSTER" BATTERY.

A local battery used with some types of crystals for the purpose of opering the crystal on the proper portion of the characteristic curve in order obtain the most efficient rectification and consequently the most satisfactly reception of radio signals. The voltage of this battery is from four to volts and is so adjusted that rectification takes places at the sharpest and of the current-voltage curve, so that the resultant current is practily uni-directional. Carbonundum is typical of a class of crystals which consists the use of "boosters" or external battery for proper operation.

CENTIMETER OF INDUCTANCE.

A type of storage cell having positive elements consisting of tubes filled the nickel oxide and negative elements or plates havin rectangular pockets and with finely divided iron. The positive and negative elements are fasted in an electrically welded steel receptacle and submerged in a fillute solution of potassium hydrate, containing a small percentage of lithium hydrate, open circuit the potential is approximately 1.5 volts, and when discharge at a normal rate the potential is about 1.2 volts and the cell is considered arged when the potential has fallen to 0.9 volts.

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Goes to Thousands by Radio -Venerable Orator's New Veer Message.

(New York Tribune.)

Having delivered speeches galore in the good, old-fashioned way, Chauncey M. Depew varied his custom last night and sent New Year's greetings and a little sermon on laughter by radio.

The venerable orator, introduced as the only one in recorded history who had continued an active career in public speaking to the age of nearly eighty-nine, showed no alarm at taking up the new vehicle for his cheer oratory. His speech was heard by 5,000 radio fans gathered at the Radio Show in Grand Central Palace and by thousands more throughout the country who "listened in" on Station WEAF, through which it was broadcast.

"As a guide I have made the following rules, which have carried me in mental and physical health to within three months of eighty-nine years of age," said Mr. Depew.

"We pass this way but once. We

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worth from

\$20.00 to \$35.00

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JANUARY SALE Charlotte Street, Cor. Union

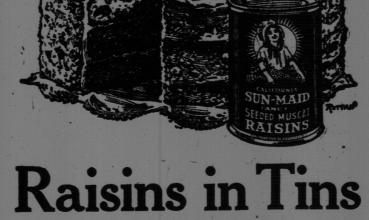
AFLORIDA

rst Class Passenger Fares, Boston To One \$36.65 Round \$67.83

One \$51.28 One \$42.82 Round \$96.15 Round \$79.23

wrong side of the account,
"The older we grow the more we realize that life is worth the living. We
think too little of the fun there is in it.
We are too parsimonious of laughter.
We do not appreciate as we ought the
man or the woman who can make us
forget while we are amused. We cannot help the past, and that man is a
fool who lives in it. Today is a better
day than yesterday.

SPAIN GUARDS CHURCH ART.



With the Freshness of Fresh Fruit

HERE'S a new package of Sun-Maid Raisins that you will want to try—dainty, tender, juicy, seeded fruit-meats packed in tins.

The tin keeps all the flavor in. No matter when or where you buy them, these raisins

have the freshness of fresh fruit.

Especially delicious in a cake or pie - and all ready,

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Mail coupon for free book of tested Sun-Maid recipes.

Sun-Maid Raisins

Sun-Maid Raisin Growers
Membership 14,000 Dept. N-501-19, Fresno, California.

CUT THIS OUT AND SEND IT un-Maid Raisin Growers Dept. N-501-19, Fresno, California. Please send me copy of your free book, "Recipes with Raisins."



TROUBLE

"IN THE NAME OF THE LAW"

SCOTTISH CLAN FOUNDER DEAD

James MacCash Succumbs in ed Society in 1878.

St. Louis, where He Form-

NEW RECORD FOR SHORTHAND

Neale Behnn Transcribed 850 Words in a Minute With Only Two Errors.

New York, Jan. 8-Nathan Behri enographer of Part IX. in the Suorld's record, his own, in the New

ry fas read at the rate of soo words of then 30 words a minute. He made it three errors in five minutes at the 50-word rate and seven at the 800-ord rate. His former record, made at national contest, was five minutes' anscription at the rate of 277 words a "When you wave a red flag before a half the rate of 277 words a "When you wave a red flag before a half the rate of 277 words a "When you wave a red flag before a half the rate of 277 words a "When you wave a red flag before a half the rate of 277 words a "When you wave a red flag before a half the rate of 277 words a "The rate of 277 words a "When you wave a red flag before a half the rate of 277 words a "The rate of 277 words a "The



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- AND LET MINE PASS
DON'T HALT HIM ON HIS WAY

HE HAS THE DOUGH TO BUY THE GOODS

IS THE DAY !

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