



Life of Your Tubes
EDITED BY JOHN M. CLAYTON.

The General Electric Company at Schenectady have a research laboratory in which continual tube development and test work goes on. Literally thousands of Radiotron tubes are being tested constantly in order to determine what effect various changes in the design of the tubes has on the life of the tube filament. While the purpose of these tests is not to determine what actual operating life is to be expected from the tubes it is interesting to note what are the most common causes of tubes ceasing to function.

In various different racks tubes of all types from the little UV-199's to the huge 1 kilowatt commercial power tubes, UV-561, are being operated under normal actual conditions for days and days. By means of a commutator arrangement it is possible to set any desired arrangement of operation desired. For instance, it is possible to set the commutator so that a certain plate voltage will be used on one particular section of the tubes under test for a certain length of time. The commutator is set and the plate voltage may be, say, 45 volts for three hours, 60 for the same length of time, back to normal and repeat and so on. An attendant watches the tubes during the daytime and by means of self-recording indicating meters the operation of the tubes at night is observed the next day.

The G. E. people give a "life expectancy" of 10,000 hours for the UV-201-A tube filament. This life may be 200 per cent shorter due to improper plate voltages without the correct grid bias; it may be the 15,000 hours expected or it may be fifteen minutes if the plate voltage is applied to the filament fourteen minutes after the tube is purchased!

Ninety per cent of the time the tubes cease to function solely because of trouble other than having reached its normal filament life. These causes are quite varied—one may be B battery on the filament; another rough handling in shipment; another a bad socket allowing B battery to the tube; another excessively high filament voltage; or through some "external" dropping the set or jarring it in transportation. Very, very few Radiotron tubes go bad through natural causes.

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"Speed Jones" Tremendous Success at Casino Theatre

ARLIE MARKS PLAYERS SCORE BIG TRIUMPHS IN CASINO.

All that the lover of amusement can possibly desire is contained in the Arlie Marks production of "Speed Jones" which was played to a bumper house at the Casino last night. The bill is one of the most realistic performances seen in a long while. The humour is in abundance and there is a beautiful vein of pathos and thrills closely running through which greatly enhances and success of the performance. At times the audience was in convulsions of laughter and the next moment you could almost hear a pin drop. The Court scene in the second act is alone worth the price of admission. There you see the new Judge (W. L. Phillips) the Lawyer for the defense, the prosecuting Attorney, the witnesses and all the other necessities that go with such a scene. Billy Phillips makes a perfect judge and handles his case with professional ease. Miss Arlie Marks gives a faultless performance of the character of Millie and in the court scene does some remarkable clever work. Walter Deluna as Bill Jones plays the title character and gives the role all the realism that is required. This is an entirely new characterization for Mr. Deluna but nevertheless he gives it a finished touch of technique.

The Magical performance of The Great Andrews is an attraction that makes you sit up, and ask yourself if your eyes are deceiving you. His various turns last night were warmly applauded. The Crystal Gazing act as performed by Princess Abdi Hamid is an amazing revelation and wins instant approval. The vaudeville finale consisted of snappy number entitled, "Don't Let 'Em Scrap The British Navy." This number was vigorously

applauded. To-night is the last chance to see "Speed Jones," which is one of the greatest plays of its kind ever witnessed in a local theatre. Book now for "Out Yonder," the great sea-faring story which will be played on Monday with a complete change of vaudeville.

"Greed" Highly Recommended by Press

BIG STORY AT NICKEL MONDAY WINS NEWSPAPER ENDORSEMENT.

The stupendous picture "Greed" which comes to the Nickel on Monday is without doubt one of the greatest pictures of recent years. Having stood the acid test of picture perfection it now carries the endorsement of the press critics which are as follows: "Von Stroheim is one director who is not afraid to picture the true knowledge of real life."—Louella Parsons, New York America.

"Greed" is truly a great picture."—George Gerhart, Evening World.

"It's a masterpiece."—Frank Vreeland, N. Y. Telegram and Evening Mail.

"It represents the high-water mark in the history of motion pictures."—John S. Cohen, The Sun.

"It is forceful, gripping, colossal, remarkable."—Rose Peliswick, Evening Journal.

"After seeing 'Greed,' one will fight stronger than ever for existence."—Mordant Hall, N. Y. Times.

"Adjectives strong enough to describe the greatness of 'Greed' fail to come to mind."—Sam Conly, Morning Telegraph.

"The most conspicuous picture of all time."—Mildred Spain, Daily News.

"Greed" is a sensation."—Dorothy Herrog, Daily Mirror.

"The most powerful thing I have ever seen."—Richard Watts, New York Herald-Tribune.

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Sunday Services

C. of E. Cathedral—8. Holy Communion: 11. Morning Service (Cathedral Sermon—"Churchmanship and Citizenship"), Hymns 135, 503, 127, Processional 497, Anthem, "By Early Morning Light", 3.15. Children's Service; 4.15. Holy Baptism; 6.30. Evening Service; Hymns 504, 409, 124, 132. Processional "Hail Jesus". St. Thomas's—8. Holy Communion; 11. Morning Prayer, Holy Communion and sermon, preacher the Bishop; 2.45. Sunday Schools and Bible Classes; 3.45. Holy Baptism; 6.30. Evening Prayer and Sermon, preacher, the Rector. Christ Church, (Quidi Vidi)—6.30. Evening Prayer and Sermon. St. Mary the Virgin—8. Holy Communion; 11. Mattins; 2.30. Sunday Schools; 2.45. Bible Classes (Male Class to be addressed by Hon. Dr. Mostell); 4. Holy Baptism; 6.30. Evensong. (Easter music repeated at all services). St. Michael and All Angels—8. Holy Eucharist; 10. Mattins; 11. Holy Eucharist and Procession; 2.30. Catechism Class, Sunday School, Faith Class; 4.15. Holy Baptism; 6.30. Evensong, Anthem, Procession.

METHODIST. Gower St.—11 and 6.30. Rev. Hammond Johnson. George St.—11 and 6.30. Rev. R. E. Fairbairn. Wesley—11 and 6.30. Rev. W. Ewart Cochran. Cochrane St.—11 and 6.30. Rev. C. H. Johnson. Gospel Mission—2.30 and 7. Evangelistic Services.

St. Andrew's Presbyterian—11 and 6.30. Rev. D. L. Nichol. Congregational, (Queen's Road)—11 and 6.30. Rev. D. L. Nichol.

NOTES. Wesley—The Rev. W. Ewart Cochran, of Bell Island, will be the preacher at Wesley Church to-morrow. Aerials at Portugal Cove and Bell Island will convey the voice of their own minister to the congregation at Bell Island and Portugal Cove and give those present also an opportunity of hearing the special Easter music which by request is being repeated.

C.M.B.C.—The address will be given by Mr. L. Colley.

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Little Jack Rabbit
by David Cory

"I'll get you yet," again snarled Danny Fox, running along on the ground underneath the clothes line on which the brave Old Red Rooster was carefully stepping like a tight-rope walker in a circus.

Every now and then crafty old fox would leap up in the air, hoping to catch the old fowl's tail. But, thank goodness, the clothes line was high up and the Old Red Rooster too nimble to be taken unawares. Pretty soon, after many a flap of his wings and a wiggle waggle of his tail, the brave old fowl reached the top of the post that stood quite near the kitchen stoop.

Just below him Danny Fox, his mouth wide open and his red tongue and white teeth glistening in the sun, leaped and snarled, hoping at every bound to either pull down or shake off the brave old rooster.

"I've just called up the Policeman Dog," cried dear little Lady Love from the bedroom window.

"Lots of good that will do," laughed Danny Fox. "He's gone to Lettucemere. I saw him on his way this very morning. You won't get any help from him."

At this the poor Old Red Rooster's gills grew pale. He was already tired out, and Danny Fox was shaking the post, making it almost impossible for that brave old fowl to keep his footing.

"Can't you fly over to the porch roof?" asked the little "rabbit," from the little window above the stoop.

"I'm afraid it's too far away," sighed the Old Red Rooster, trying to gauge the distance with his eyes as he flapped his wings to steady himself on the post. Dear me, how Danny Fox shook that post! Bumpety bump! He ran against it, not seeming to care if he hurt his shoulder against the hard wood. Yes sir, Danny Fox was so hungry that a little pain in his shoulder seemed nothing compared to the big hollow feeling in his stomach!

At last, finding that he could not shake off the brave old fowl, Danny Fox ran into the barn.

"What's he after now, I wonder?" thought the anxious Old Red Rooster. The next minute his question was answered when that sly old fox placed a ladder against the post.

"Now or never," thought the Old Red Rooster, looking toward the porch roof. Then, with all the strength he could muster in his legs, and with all the force he could gather to his tired wings, he gave a jump and a flip, flapping over to the little porch roof. Luckily he landed safely, and the next minute he had tumbled through the



The next minute his question was answered.

open window a foot above the shingles. With a bang, Little Jack Rabbit closed and bolted the shutters as Danny Fox started to climb up the ladder which he had now set up against the porch post.

"Cock-a-doodle-do. I'm weary through and through. I'll lie right down and rest my legs. They're numb as two old wooden pegs."

sighed the brave old fowl, throwing himself down on the bunny boy's little bed. And in the next story you shall hear what happened after that.

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