

The FORCED TATTOO ARM

Isabel Ostrander - Original Story Service, Inc.

BEGIN HERE TODAY.

The strange and unexplained eccentricity of three wealthy, sedate and middle-aged brothers has caused OWEN MILES, detective sergeant, and his colleagues, FERGUS McCREADY, known as "Scottie," to investigate on the request of

PATRICIA DRAKE, daughter of the youngest brother, HOBART DRAKE, a Wall Street broker, who started his neighbors by appearing in the town square, clothed in a sheet, and delivering a mock oration.

Miles, in the guise of a houseman, is employed at the home, and on his first night hears two brothers, ROGER, the scientist, and ANDREW, who has recently come from Australia, talking in loud tones. Roger, by making a burlesque of a scientific paper, and Andrew, by playing with tops on the parlor floor, had equaled Hobart in eccentricity.

"I'm not going to endure it," Miles heard Roger cry. "There is a way out, quick and sure."

GO ON WITH STORY.

"You're talking like an ass and worse—a coward!" Andrew interrupted with sudden, subdued fury. "Jerry's all right but you've forgotten Hobart's girl! Could she live down the fact that her uncle was a suicide?"

"You know what chance we have of averting what is coming?" Roger laughed in a strained falsetto which made the listening detective shudder in spite of himself and there was a quick movement within the room. "Fat had better live with the knowledge that one of both of her uncles—and her father as well—had died by their own hands than that all three of them were—"

"Here! None of that!" Andrew cried. He had evidently thrown caution to the winds for his tones had risen to a bellow and a door opened down the hall. Miles retreated hastily toward his screening corner of the wall near the back stairs but not before the sound of a sharp struggle came from the room where the brothers were, followed by an oath and the tinkle and crash of shattered glass.

At the thought Miles sprang downstairs and darting out the window he concealed himself in the shadow of one of the great pillars. No one was in sight. Leaping from the porch he ran around the rear of the house to the other side. The pantry was dark now but the two faint patches of light from Roger's room still fell upon the sparse grass of last year's lawn. In the glow of the farther one, something glistened like a handful of diamonds.

Broken glass! He had anticipated

a pistol or perhaps even a knife of some sort but not a bottle! Throwing himself flat upon his face the detective writhed inch by inch along the ground until he was close to the scattered fragments of the bottle and then he saw among them a number of tiny white tablets. Seizing a handful of the gravel and tablets together Miles stuffed it into a pocket of his trousers and ran swiftly around the house again to the library window.

CHAPTER V. CARTER was ill the following morning—a touch of sciatica—and the new houseman was forced to assume the more complex duties. Under the kindly guidance of Pierre, he finished arranging the table for breakfast and then remembered the mail. When he had cleared the lower hall a short time after it had not arrived, but now a small heap of letters and rolled circulars and periodicals lay upon the table and he sorted them rapidly. There was nothing for Andrew Drake, nor Miss Patricia, but a formidable pile of correspondence awaited Roger and several letters were addressed to Miss Jerusha. There was only one envelope to place beside Hobart Drake's plate.

Miles noted idly that it was plain, with a typed address and a New York City postmark. Then he hurried out and returned with the fruit just as the elder Miss Drake entered. "Good morning, William," she flitted her gray head formally. "I see you have made a good beginning. Mehlhabel, my maid, tells me that Carter is ill and you have assumed his duties."

"More scientific criticism, I suppose? Throw it all in the fire, old man, and don't bother your head about it!"

Patricia's entrance created a break in the tenseness of the atmosphere, and she eyed the detective in startled, confused recognition, but his expression was bland until he reached the shelter of the pantry to which her gaze had followed him, when he risked a quick nod of warning and reassurance. A slight flush suffused her face and she turned to her father, only to exclaim in amazement and alarm:

"Daddy! What is it?" Only Miss Drake was silent but her eyes were fixed with burning intensity upon the emporium of countenance of her youngest brother as he brought his fist, clenching his solitary letter, down violently upon the table.

"Trouble?" he repeated hoarsely. "Trouble enough! It's each man for himself when you stand with your back against the wall, and I'm going to fight!"

He strode from the room with the open letter still in his hand and they heard the library door close behind him and the key turn in the lock. The meal ended shortly and Miles was clearing away the dishes and silver when he observed that the envelope of the letter which had caused Hobart Drake such agitation was still lying where he had dropped it, on the floor behind his chair. He stooped hastily and pocketed it and then finished his work in the dining-room.

He had started for the back stairs when Miss Drake asked:

"William, do you know how to drive a car?"

Had the opportunity presented itself to send the promised wire to Scottie? The detective gave an inward start.

"Yes, ma'am."

"That is fortunate, William. Mr. Hobart must be taken to the station at once."

Miles brought the car to the door to find Hobart waiting on the porch steps, watch in hand.

"Get me to the station as quick as you can."

The train was just pulling in as he drew up at the station platform. Miles noted the significant glances and nudges of the loungers as they recognized Hobart Drake and realized anew the humiliation which his young client, Miss Patricia, must have endured.

His thoughts returned again to her, the innocent victim of the mysterious calamity which has overtaken her people, when after he had safely dispatched his wire to Scottie, he was howling slowly back to the house. It did not come wholly as a surprise when he was hailed by an athletic-looking young man who stood by a low, red runabout at the side of the road.

The young man advanced and leaned confidentially over the wheel. "My name's Richard Kemp. I'll give you five dollars if you'll take a note to the young lady up there, Miss Patricia, and see that she gets it quietly. Do you understand?"

In a quick flash of memory Miles

never passed through the mails!

JACK DAW'S ADVENTURES



THE BANDIT KNEW HE COULD NOT FIGHT THIS BAND OF GORILLAS, SO QUICKLY JUMPED ON HIS HORSE AND GALLOPED AWAY. JACK WAS ONCE MORE LEFT ALONE.



WHEN THE BANDIT WENT OVER THE HILL, HE TURNED AND FIRED A PARTING SHOT AT THE GORILLAS, BUT WITHOUT ANY EFFECT. JACK HAD TO DRAG HIM ALONG WITH A ROPE.



THE MONSTER PICKED JACK UP AND, FOLLOWED BY HIS BAND, SET OUT OVER THE HILL. JACK WAS NOT WILLING CAPTIVE, SO ONE OF THE GORILLAS HAD TO DRAG HIM ALONG WITH A ROPE.



JACK WAS TERRIFIED WHEN HE FOUND OUT THAT THE MONSTER MONSTER INTENDED TO TAKE HIM INTO CALAMITY CAVE. JACK WONDERED WHAT THE BAND OF GORILLAS WAS GOING TO DO NEXT.

Styles in Pets Shift—Here Are Latest



THE TINY CLEVER DOG IS NOW A SOCIETY PAD.

THE BULL DOG IS AN AUTO ACCESSORY.

GREENWICH VILLAGERS SEEM TO HAVE AN AFFINITY FOR MONKEYS AS PETS.

THE SCIENCE FAVOR SNAKES AS PETS.

THE SCIENCE FAVOR SNAKES AS PETS.

THE SCIENCE FAVOR SNAKES AS PETS.

THE SCIENCE FAVOR SNAKES AS PETS.

THE SCIENCE FAVOR SNAKES AS PETS.

THE SCIENCE FAVOR SNAKES AS PETS.

THE SCIENCE FAVOR SNAKES AS PETS.

THE SCIENCE FAVOR SNAKES AS PETS.

THE SCIENCE FAVOR SNAKES AS PETS.

THE SCIENCE FAVOR SNAKES AS PETS.

THE SCIENCE FAVOR SNAKES AS PETS.

THE SCIENCE FAVOR SNAKES AS PETS.

THE SCIENCE FAVOR SNAKES AS PETS.

THE SCIENCE FAVOR SNAKES AS PETS.

THE SCIENCE FAVOR SNAKES AS PETS.

THE SCIENCE FAVOR SNAKES AS PETS.

THE SCIENCE FAVOR SNAKES AS PETS.

THE SCIENCE FAVOR SNAKES AS PETS.

THE SCIENCE FAVOR SNAKES AS PETS.

THE SCIENCE FAVOR SNAKES AS PETS.

THE SCIENCE FAVOR SNAKES AS PETS.

THE SCIENCE FAVOR SNAKES AS PETS.

THE SCIENCE FAVOR SNAKES AS PETS.

THE SCIENCE FAVOR SNAKES AS PETS.

THE SCIENCE FAVOR SNAKES AS PETS.

THE SCIENCE FAVOR SNAKES AS PETS.

THE SCIENCE FAVOR SNAKES AS PETS.

THE SCIENCE FAVOR SNAKES AS PETS.

THE SCIENCE FAVOR SNAKES AS PETS.

THE SCIENCE FAVOR SNAKES AS PETS.

THE SCIENCE FAVOR SNAKES AS PETS.

THE SCIENCE FAVOR SNAKES AS PETS.

THE SCIENCE FAVOR SNAKES AS PETS.

THE SCIENCE FAVOR SNAKES AS PETS.

THE SCIENCE FAVOR SNAKES AS PETS.

THE SCIENCE FAVOR SNAKES AS PETS.

THE SCIENCE FAVOR SNAKES AS PETS.

THE SCIENCE FAVOR SNAKES AS PETS.

THE SCIENCE FAVOR SNAKES AS PETS.

THE SCIENCE FAVOR SNAKES AS PETS.

THE SCIENCE FAVOR SNAKES AS PETS.

THE SCIENCE FAVOR SNAKES AS PETS.

THE SCIENCE FAVOR SNAKES AS PETS.

THE SCIENCE FAVOR SNAKES AS PETS.

THE SCIENCE FAVOR SNAKES AS PETS.

THE SCIENCE FAVOR SNAKES AS PETS.

GUINEA-PIG'S LIFE IN DANGER

[By Olive Roberts Barten.]



Then Oscar called up the field mouse.

POOR little George Guinea-Pig was unhappy. He was tired of being made fun of because he had no tail.

So one day he went to the house of Dr. Snuffles, the fairman doctor, and told him his troubles.

"Is there anything I can do?" he asked. "Is there any medicine I can take that will grow me a tail?"

"Nothing I know of," answered the kind little doctor. "Nancy, Nick, did you ever hear of anything good for growing tails?"

The twins said they had never heard of anything.

So George paddled off home again to the old box beside the henhouse. He felt so unhappy big tears dropped from his funny little black nose-button eyes.

"Oh, me, oh, my!" he wailed. "I'd be the happiest person in the world if only I had a tail."

Now old Oscar Owl had heard the whole thing and he cooked up a plan.

"I see where I get two meals tonight instead of one," he hooted. "Little Flippy Fieldmouse just got done telling his mama he was tired of his long tail because it was always giving away his hiding-hole. I'll telephone to both of them."

So he called up the henhouse and asked Mrs. Leghorn please to get George Guinea-Pig to the telephone. George came at once.

"This is a friend," croaked Oscar Owl. "I know where you can find a tail. Come to the edge of Whispering Forest under the old hickory tree at eight sharp."

"I'll be there!" squeaked George happily.

Then Oscar called up the Fieldmouse. Only he told Flop that he knew how he could lose his tail—which was more like the truth.

(To Be Continued.) (Copyright, 1922.)

ALICE BLUE.

Can anybody spare sheets or shaker flannel blankets to help make the beds comfortable for this nice family of children? I trust, Alice Blue, the clothes will be forthcoming for the boys. It must be a big problem to dress six on a small income.

ALSO "LANCASHIRE LASS." Dear Miss Grey—I see where Lancashire Lass wants a correspondent. I am a Lancashire Lass myself, and though old in years, I am young in heart.

T. L. L. Dear T. L. L., I'm sure Lancashire Lass would love to hear from you. Will she please send in her right address, as others also are inquiring for it?

HAS FLAGS TO GIVE. Dear Cynthia—You will be thinking I'm visiting you too often lately, but I want to thank you for the addresses you sent me. I saw the other day in the paper, where My Lancashire Lassie would like someone to write to her who had come from England. Well, I will if she wishes me to. We came from Manchester. I know what it is to be homesick. I was for three years, but now I'm better satisfied than I ever was in England, but I love England. It's home to me. Canada has lots of things, but we never had in England, but just the same I'd love a trip home. I see in today's paper that Spookendyke had flannelette flags for my friend, and so I thought I had better answer tonight, as I would love to get them. What do you

picture still of myself against that window shade since nine o'clock," he whispered. Have you learned anything?

(Continued in Our Next Issue.)

Radio Radiations

BY THE RADIO EDITOR.

This is the fourth of a series of articles on the Armstrong super-regenerative receiver.

THE circuit diagram of the super-regenerative method of reception shown in the first article of this series called for the performance of all the necessary functions by one tube.

As a matter of fact, two tubes may be used—with the circuits of the second and third articles associated.

To those not skilled in handling vacuum tube circuits this arrangement will prove simpler.

Figure 1 shows the scheme of arrangement.

Figure 2 shows the circuit where the scheme is put into actual operation.

Conductive Coupling.

It will be noted that Figures 1

and 2 differ only in the method of association or "coupling." Inductive coupling between the two circuits can scarcely give sufficiently close coupling. Conductive coupling is, therefore, resorted to.

Thus the pick-up coil is actually made a part of the controller circuit. A common battery supply is also used to simplify the set-up.

The controller circuit is adjusted to generate oscillations of approximately 10,000 a second. This produces a wave length of about 30,000 meters.

The regenerative circuit is tuned to 360 meters and generates oscillations at the rate of about 830,000 a second.

To construct this two-tube super-

regenerative set the following parts are required:

2 Amplifier tubes (gassy tubes will not do).

2 V. T. sockets.

2 Rheostats.

1 Six-volt storage battery.

4 to 6 22 1-2-volt blocks of "B" battery.

2 1,500-turn honeycomb coils (125 M. H.) (L3 and L4).

1 Air core choke (L5).

1 By-pass condenser (fixed) with a capacity of .005MF (C3).

1 "Vario-coupler" combining pick-up circuit inductance (L1) and Ticker inductance (L2).

1 Loop having a dozen turns, size 4 feet square.

3 Variable condensers having a capacity value of .001 MF (C1, C2, C4).

Most of these parts should be bought in a supply store. The money and effort expended in making them would not be commensurate with

their utility.

It should be noted that condenser C2 is connected across grid and plate of the regenerative tube. Since its presence there would enable the passage of regenerated currents through it and thus prevent operation, an air core choke coil must be placed in series with it.

This coil will choke back the high frequency currents without affecting the operation of the oscillator (controller) tube.

Such a choke may be made by winding 300 turns of No. 23 double cotton covered copper wire on a four inch tube.

Attention is also called to the insertion of condenser C4. This passes the regenerated energies to the grid of the oscillator tube. When this tube is in the positive half of its cycle it provides, in effect, a short circuiting of the regenerative inductance L1—thus stopping the action of that tube.

Tomorrow: How to Make the Inductive Coupler.

you are not experimenting when you use Dr. Chase's Ointment for Eczema and Skin Irritations. It relieves at once and gradually heals the skin. Sample box Dr. Chase's Ointment free if you mention this paper and send 2c stamp for postage. See a box; all dealers or Edmundson, Bates & Co., Limited, Toronto.

FIGURE 1—SCHEMATIC ARRANGEMENT OF TWO-TUBE SUPER-REGENERATIVE CIRCUIT.

FIGURE 2—ACTUAL ARRANGEMENT OF TWO-TUBE SUPER-REGENERATIVE CIRCUIT.

FIGURE 3—SCHEMATIC ARRANGEMENT OF TWO-TUBE SUPER-REGENERATIVE CIRCUIT.

FIGURE 4—SCHEMATIC ARRANGEMENT OF TWO-TUBE SUPER-REGENERATIVE CIRCUIT.

FIGURE 5—SCHEMATIC ARRANGEMENT OF TWO-TUBE SUPER-REGENERATIVE CIRCUIT.

FIGURE 6—SCHEMATIC ARRANGEMENT OF TWO-TUBE SUPER-REGENERATIVE CIRCUIT.

FIGURE 7—SCHEMATIC ARRANGEMENT OF TWO-TUBE SUPER-REGENERATIVE CIRCUIT.

FIGURE 8—SCHEMATIC ARRANGEMENT OF TWO-TUBE SUPER-REGENERATIVE CIRCUIT.

FIGURE 9—SCHEMATIC ARRANGEMENT OF TWO-TUBE SUPER-REGENERATIVE CIRCUIT.

FIGURE 10—SCHEMATIC ARRANGEMENT OF TWO-TUBE SUPER-REGENERATIVE CIRCUIT.

FIGURE 11—SCHEMATIC ARRANGEMENT OF TWO-TUBE SUPER-REGENERATIVE CIRCUIT.

FIGURE 12—SCHEMATIC ARRANGEMENT OF TWO-TUBE SUPER-REGENERATIVE CIRCUIT.

FIGURE 13—SCHEMATIC ARRANGEMENT OF TWO-TUBE SUPER-REGENERATIVE CIRCUIT.

FIGURE 14—SCHEMATIC ARRANGEMENT OF TWO-TUBE SUPER-REGENERATIVE CIRCUIT.

FIGURE 15—SCHEMATIC ARRANGEMENT OF TWO-TUBE SUPER-REGENERATIVE CIRCUIT.

FIGURE 16—SCHEMATIC ARRANGEMENT OF TWO-TUBE SUPER-REGENERATIVE CIRCUIT.

FIGURE 17—SCHEMATIC ARRANGEMENT OF TWO-TUBE SUPER-REGENERATIVE CIRCUIT.

FIGURE 18—SCHEMATIC ARRANGEMENT OF TWO-TUBE SUPER-REGENERATIVE CIRCUIT.

FIGURE 19—SCHEMATIC ARRANGEMENT OF TWO-TUBE SUPER-REGENERATIVE CIRCUIT.

FIGURE 20—SCHEMATIC ARRANGEMENT OF TWO-TUBE SUPER-REGENERATIVE CIRCUIT.

FIGURE 21—SCHEMATIC ARRANGEMENT OF TWO-TUBE SUPER-REGENERATIVE CIRCUIT.

FIGURE 22—SCHEMATIC ARRANGEMENT OF TWO-TUBE SUPER-REGENERATIVE CIRCUIT.

FIGURE 23—SCHEMATIC ARRANGEMENT OF TWO-TUBE SUPER-REGENERATIVE CIRCUIT.

FIGURE 24—SCHEMATIC ARRANGEMENT OF TWO-TUBE SUPER-REGENERATIVE CIRCUIT.

FIGURE 25—SCHEMATIC ARRANGEMENT OF TWO-TUBE SUPER-REGENERATIVE CIRCUIT.

FIGURE 26—SCHEMATIC ARRANGEMENT OF TWO-TUBE SUPER-REGENERATIVE CIRCUIT.

FIGURE 27—SCHEMATIC ARRANGEMENT OF TWO-TUBE SUPER-REGENERATIVE CIRCUIT.

FIGURE 28—SCHEMATIC ARRANGEMENT OF TWO-TUBE SUPER-REGENERATIVE CIRCUIT.

FIGURE 29—SCHEMATIC ARRANGEMENT OF TWO-TUBE SUPER-REGENERATIVE CIRCUIT.

FIGURE 30—SCHEMATIC ARRANGEMENT OF TWO-TUBE SUPER-REGENERATIVE CIRCUIT.

FIGURE 31—SCHEMATIC ARRANGEMENT OF TWO-TUBE SUPER-REGENERATIVE CIRCUIT.

FIGURE 32—SCHEMATIC ARRANGEMENT OF TWO-TUBE SUPER-REGENERATIVE CIRCUIT.

FIGURE 33—SCHEMATIC ARRANGEMENT OF TWO-TUBE SUPER-REGENERATIVE CIRCUIT.

FIGURE 34—SCHEMATIC ARRANGEMENT OF TWO-TUBE SUPER-REGENERATIVE CIRCUIT.

FIGURE 35—SCHEMATIC ARRANGEMENT OF TWO-TUBE SUPER-REGENERATIVE CIRCUIT.

FIGURE 36—SCHEMATIC ARRANGEMENT OF TWO-TUBE SUPER-REGENERATIVE CIRCUIT.

FIGURE 37—SCHEMATIC ARRANGEMENT OF TWO-TUBE SUPER-REGENERATIVE CIRCUIT.

FIGURE 38—SCHEMATIC ARRANGEMENT OF TWO-TUBE SUPER-REGENERATIVE CIRCUIT.

FIGURE 39—SCHEMATIC ARRANGEMENT OF TWO-TUBE SUPER-REGENERATIVE CIRCUIT.

FIGURE 40—SCHEMATIC ARRANGEMENT OF TWO-TUBE SUPER-REGENERATIVE CIRCUIT.

FIGURE 41—SCHEMATIC ARRANGEMENT OF TWO-TUBE SUPER-REGENERATIVE CIRCUIT.

FIGURE 42—SCHEMATIC ARRANGEMENT OF TWO-TUBE SUPER-REGENERATIVE CIRCUIT.

FIGURE 43—SCHEMATIC ARRANGEMENT OF TWO-TUBE SUPER-REGENERATIVE CIRCUIT.

FIGURE 44—SCHEMATIC ARRANGEMENT OF TWO-TUBE SUPER-REGENERATIVE CIRCUIT.

CERTO

For Perfect Jams and Jellies

—no guess work

SOME folks experience the