





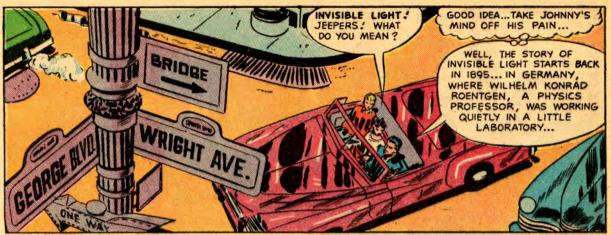


AND A FEW MINUTES LATER ...

IT'S A KIND OF INVISIBLE LIGHT WAVE, JANE.

SAY, ED, WHAT'S AN X-RAY, ANYHOW?

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HERE WAS ONLY ONE POSSIBLE ANSWER ... AN ASTOUNDING ONE ...

YES, THERE IS NO DOUBT ABOUT IT. INVISIBLE RAYS MUST BE COMING FROM THIS TUBE - RIGHT THROUGH



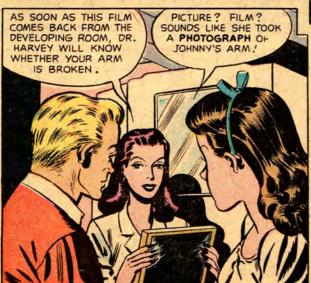
CONTINUING HIS EXPERIMENTS, ROENTGEN PLACED HIS HAND BETWEEN THE COVERED TUBE AND THE SCREEN, AND ..."



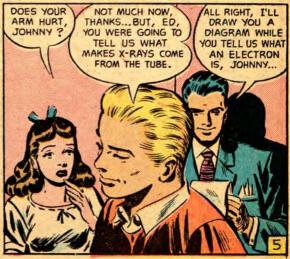


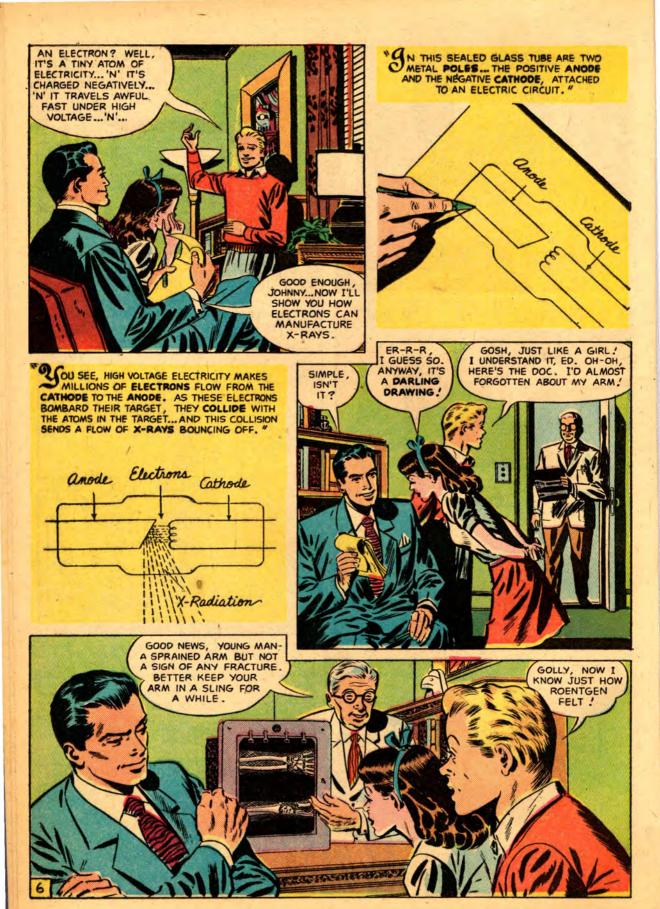




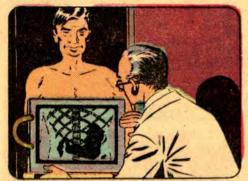


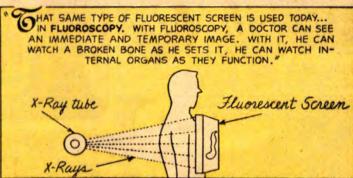




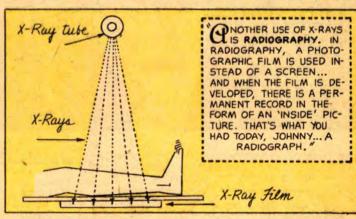




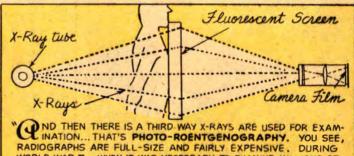






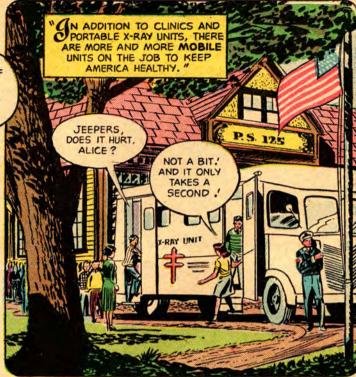




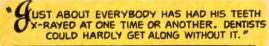


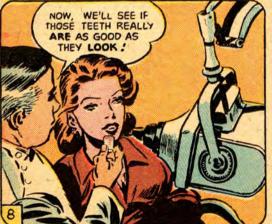
ND THEN THERE IS A THIRD WAY X-RAYS ARE USED FOR EXAMINATION... THAT'S PHOTO-ROENTGENOGRAPHY. YOU SEE,
RADIOGRAPHS ARE FULL-SIZE AND FAIRLY EXPENSIVE. DURING,
WORLD WAR II, WHEN IT WAS NECESSARY TO EXAMINE MILLIONS OF
MEN QUICKLY AND ECONOMICALLY, THEY DEVELOPED A COMBINATION
OF A FLUOROSCOPIC SCREEN AND A SMALL CAMERA WHICH MADE A
SMALL-SIZED PHOTOGRAPH OF THE IMAGE ON THE SCREEN."





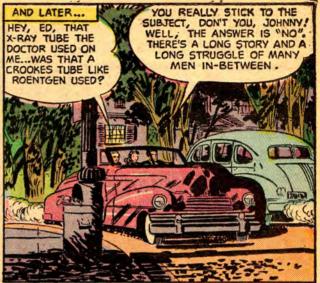








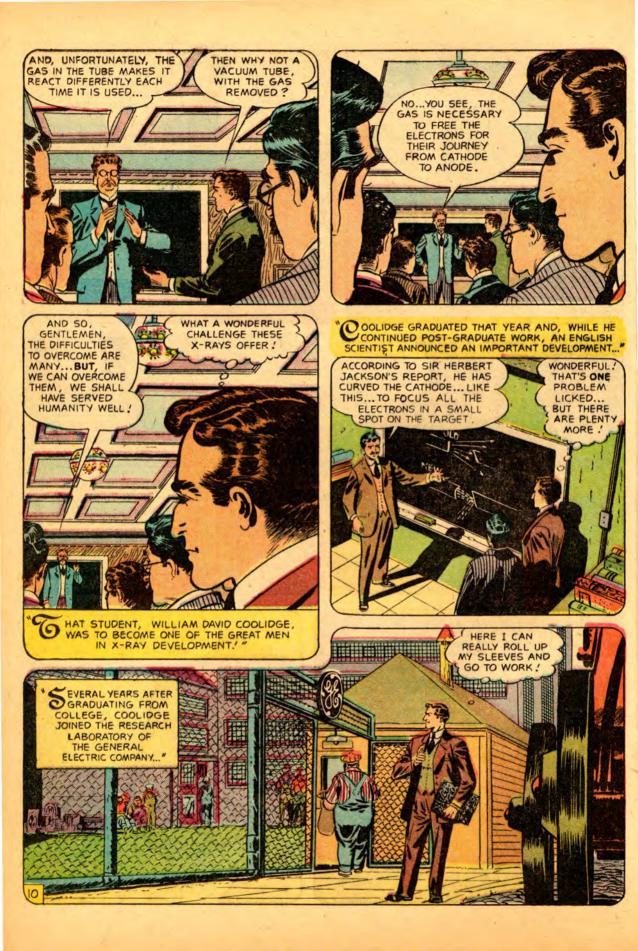
















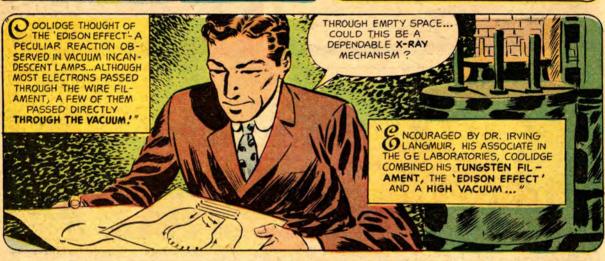


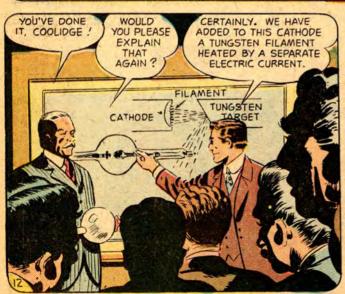








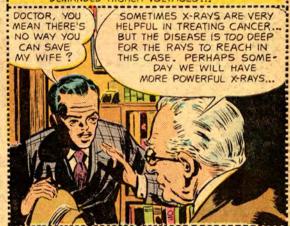








THERE WAS STILL WORK TO BE DONE.
40,000 AND 100,000-VOLT X-RAY UNITS
WERE ADEQUATE FOR ALL MEDICAL EXAMINATIONS... BUT TREATMENT SOMETIMES
DEMANDED HIGHER VOLTAGES..."



SO COOLIDGE ROLLED UP HIS SLEEVES AND WENT TO WORK. AGAIN HARD WORK AND PERSEVERANCE SOLVED THE PROBLEM...WITH THE SECTIONAL TUBE, BASED ON THE 'CASCADE' PRINCIPLE."





