The bionic eye BY F.A. ANVERY Salech Source 9.6-6 prit standin naked and

ECESSITY is the and much-wanted device has tion. The roots of many an idea of the bionic eye seems amazing invention lay hid- to be just what the world has den in some fabled imagina- been looking for to comtion, such as that of the flying carpets of Oriental potentates and in the seven-ringed cup of Jamshed. The prodi- much time, effort gious idea of the bionic eve was, no doubt, born in could be so America and, no wonder, for effectively the American mind in our own age has come to be tively saved regarded as clear-sighted. forward-looking, optimistic, nating idea progressive and good. The of the bionic reason for this may be that eye, if you most Americans originate from somewhere else, except ber the popufor the 'Injuns', of course.

Th bionic eye is one of the masterpieces of modern science fiction as the dream instrument for all those whose business it is to fight and eradicate felony. It has become an urgent necessity to keep demons of the underworld at bay. One, therefore, wonders why this highly

mother of invention, not yet materialized into and much of science three dimensions and gone begins with specula- on the production line. The bat and defeat terrorism.

> Imagine how and money and producby this fascistill rememlar TV series The Six Million Dollar Man. Zap, zip, zoom, and lo, the fantastic bionic eye, combining the bioophthalmic cam-

menicing highly calcable drances and spies out the cul- hyper-markets to prevent idol of all beginnings and bionic evel

prit standing there downcast, naked and unashamed of his loathsome inhumanity.

always needed vigilant eyes and the vigil for these basic development. The need for a watchful eye has existed since the earliest days.

the bionic eye can be traced back to the Greeks and to their mythology, which is Liberty and progress have even now used as a creative symbolic metaphor in literature. The fabulous Argus had one hundred eyes, and was put on duty to watch the

punish- sight. ting ment, Juno colourful bird's feathers.

shoplifting is a much later fresh ventures. In a way, I still remember Janus. As a working journalist some five decades ago, one of my The idea of the need for duties was to write a short, weekly column for the newspaper. The editor suggested the pen-name of Janus for me. I was a humble two-eyed mortal but, under the penname of Janus, I was rewarded or punished (which I did never know) with another heifer Io. But Mercury couple of eyes in the shape of cunningly charmed spectacles. I still use them, the dutiful Argus to only the lenses have grown in sleep and slew girth to compensate for the him. As a befit- growing weakness of my eye-

Coming back to the bionic transformed eye, don't you think that it is Mercury into now a most pressing need of a peacock, the time? I can imagine that imprinting some backstage researchers the hundred must be burning much mideves on this night oil on the project in some laboratory somewhere, tail and the time might not be far when the bionic eve would Another become available. So, until such eyeful fig- the time this useful device ure in classical goes onto the production mythology is line, we might make some that of makeshift arrangements. Janus, who How about keeping a nationhad faces al vigil? Let us keep our eyes on his front and wide open. Here, 28 crores

era, with reverted radar and human rights has a long back, with four eves to look (14,00,00,000 x 2) of wakeful converted lazar, penetrates story. Close-circuit cameras forward as well as back word, ever hecome a working the hardest imaginable hin- and inter-playing mirrors in Janus was supposed to be use for the ultimate

Graham Bell did not invent the telephone: US By Rory Carroll By Rory Carroll

ROME. June 17: Italy hailed the redress of a historic injustice on Sunday, after the US Congress recognised an impoverished Florentine immigrant as the inventor of the telephone rather than Alexander Graham Bell.

Historians and Italian-Americans battle to persuade Washington to recognise a little-known mechanical genius, Antonio Meucci, as a father of modern communications, 113 years after his death.

The vote by the House of Representatives prompted joyous claims in Meucci's homeland that finally Bell had been outed as a perfidious

Scot who found fortune and fame by taking over another man's work.

Calling the Italian's career extraordinary and tragic, the resolution said his "teletrofono", demonstrated in New York in 1860, made him the inventor of the telephone in the place of Bell, who had access to Meucci's materials and who took out a patent 16 vears later.

"It is the sense of the House of Representatives that the life and achievements of Antonio Meucci should be recognised, and his work in the invention of the telephone should be acknowledged," the resolution stat-

Bell's immortalisation in books and films has rankled with generations of Italians with knowledge of Meucci's story. Born in 1808, he studied design and mechanical engineering at the Academy of Fine Arts in Florence, and as a stage technician at the city's Teatro della Pergola developed a primitive system - basically two cans tied with string - to help colleagues communicate.

In the 1830s he moved to Cuba and, while working on methods to treat illnesses with electric shocks, found that sounds could travel through copper wire. Sensing potential, he moved to Staten Island, near New York City, in

1850 to develop the technology.

When Meucci's wife, Ester, became paralysed he rigged a system to link her bedroom with his neighbouring workshop and in 1860 held a public demonstration which was reported in New York's Italian-language press.

In between giving shelter to political exiles, Meucci struggled to find financial backing, failed to master English and was severely burned in an acci- renew it. dent aboard a steamship.

Forced to make new prototype telephones after Ester sold his machines for six dollars to a secondhand shop, his models became more sophisticated. An inductor formed around an iron

core in the shape of a cylinder was a lat technique so sophisticated that it was wi used decades later for long-distance ph connections.

Meucci could not afford the 250 dollars needed for a definitive patent for - t his "talking telegraph" so in 1871 filed ca a one-year renewable notice of an ag impending patent. Three years later he in could not even afford the 10 dollars to

He sent a model and technical re details to the Western Union telegraph company but failed to win a meeting ni with executives. When he asked for his materials to be returned, in 1874, he was told they had been lost. Two years So

eginnings and bionic eve!

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later Bell, who shared a laboratory with Meucci, filed a patent for a telephone, became a celebrity and made a lucrative deal with Western Union.

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Meucci sued and was nearing victory - the supreme court agreed to hear the case and fraud charges were initiated against Bell - when the Florentine died in 1889. The legal action died with him.

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Yesterday the newspaper La Repubblica welcomed the vote to recognise the Tuscan inventor as a belated comeuppance for Bell, a "cunning Scotsman" and "usurper" whose perfidy built a communications empire.—Dawn/The Guardian News Service.