RESE TH 10-10-10 APP ARAT US!

A Survey of the Photographic and the Filmic in Contemporary Art

Edited by Edgar Lissel Gabriele Jutz Nina Jukić

DE GRUYTER edition: 'AngewAndta

RE SET THE APP ARAT

US

A Survey of the Photographic and the Filmic in Contemporary Art

Edited by Edgar Lissel Gabriele Jutz Nina Jukić

Edition Angewandte Book Series of the University of Applied Arts Vienna Edited by Gerald Bast, Rector

edition: 'Angewandtə Universität für angewandte Kunst Wien University of Applied Arts Vienna

DE GRUYTER

GEBHARD SENGMÜLLER-ANDY BIRTWISTLE

BIG PAUL: THE DEATH OF VIDEO AND THE RETURN OF THE REPRESSED

Text: Andy Birtwistle and Gebhard Sengmüller

"I believe viewers would rather see an actual scene of a rush hour at Oxford Circus directly transmitted to them than the latest in film musicals costing £100,000."

Gerald Cock, BBC Director of Television, 1936.¹

The first feasible idea for how a moving image could be broken down into lines and frames, and thus prepared for electrical transmission, was developed in 1883 by the Berlin baker's son and signal engineer Paul Nipkow (1860–1940). His patented Nipkow Disk enabled electro-mechanical television for the first time in history, and in an astonishingly simple way. In the transmitting device a focused beam of light shines through holes arranged in a spiral on a rotating disk. This scans the image object line by line with the resultant moving point of light. The number of holes in the disk corresponds to the number rotating disk. This scans the revolutions per second of the perforated disk determines the number of scanned images per second. A start rotating disk. It his scans the revolutions per second of the perforated disk determines the number of scanned images per second. A photo-electric cell of image lines produced, and the revolutions per second of the perforated disk determines the number of scanned images per second. A photo-electric cell measures the fluctuating brightness that is reflected from the scanned object, transforming the reflected light into an electrical signal with continuously measures the fluctuating brightness that is already the complete television signal, is then transmitted through an electrical signal with continuously measures the incomment of the continuously with the complete television signal, is then transmitted through an electrical conduit to the television variable strength. This flow of current, which is already the complete television signal, is then transmitted through an electrical conduit to the television variable strength.

receiver The received expression of non-standard by the camera signal and flickers in time with the photocell reading the image. Through from behind by a light source hyperantifying glass, the moving image of the scanned object now appears the holes in the disk, and enlarged by a magnifying glass, the moving image of the scanned object now appears. The receiver device is built exactly like the camera: A second Nipkow Disk with the same rotation speed and arrangement of holes is illuminated

Whereas representation of the succeeded in constructing a functional mechanical television system with a camera and screen based up 26 the Scottish inventor John Logie Baird succeeded in constructing a functional mechanical television system with a camera and screen based up 26 the Scottish inventor in the two provides the televisor. By the end of the 1930s, however, developments in the second screen based by the second screen based of the 1930s. on Nipkow's idea. Baird called his invention the Televisor. By the end of the 1930s, however, developments in electronic scanning had rendered on Nipkow's idea. Baird called his invention the Televisor. By the end of the 1930s, however, developments in electronic scanning had rendered Whereas Nipkow only sketched out this idea in the nineteenth century as a possibilityand was never able to implement it practically—in

on Nipkow's idea. Barrd cancer in 5 for consigned in most accounts of the medium to history. Nipkow's invention a dead technology, consigned in most accounts of the medium to history. With the installation *Big Paul* Gebhard Sengmüller takes a fictive detour along the path of media history and constructs a Televisor for modern times. *Big Paul* is a functional electro-mechanical television system, which retains the original Nipkow Disk but enlarges it to a diameter of 1.5 meters, thus substantially increasing the number of transmittable image lines and therefore also the achievable image resolution. This means that for the first time a system of television is created which retains Nipkow's original idea but allows it to function in contemporary quality. At the same time, the installation shows an apparatus that—like cinema film and the phonograph, but unlike electronic television—can be comprehended and immediately experienced by the viewer.

be comprehended and minicourse, it is a province of the second se in front of the transmitting apparatus. A photo-sensor generates a signal that passes to the receiver apparatus through a cable. A second in front of the transmitting apparatus through a cable. A second difference to the historical model is the much more defined image and the seemingly unrealistic size of the installation. Yet this system visitor, looking through the rotating disk on the receiver, sees a small but high resolution live image of the transmission. The main is also as transparent as possible and set up to be looked into, so that its basic mechanism is revealed



Sengmüller's media archaeological reanimation of mechanical television can be seen to make a critical intervention in contemporary art practice at a particular moment in the evolution of video's identity. Although *Big Paul* makes no direct reference to cinema, the significance of its reclamation of a dead form of television can be usefully understood by situating it within a contemporary audiovisual environment, in which cinematic modes of representation of a dead form of television can be usefully understood by situating it within a contemporary audiovisual environment, in which cinematic modes of representation of a dead form of television can be usefully understood by situating it within a contemporary audiovisual environment, in which cinematic modes of representation form of television can be determined forms of visuality unique to video. Writing in 1996 on the differences between cinema and video, John Belton are in the process of omedia are defined, in part, by their relationship with one another. Furthermore, he argued, this relationship is characterized by its proposed that the two media are defined, in part, by their relationship with one another. mutability:

[T]he existence of cinema forces us to rethink our notions of video [...] this mutual codefinition is a continuous process; it takes place over time, [T]he existence of currents were place of film and video is constantly changing. What they mean at any given point in time is the product of the and, as a result, our understanding of film of the orduct of the unique relationship of each technology not only to the other but to a field of different representation formats that is itself constantly changing.²

At certain points in history distinctions between television and cinema, and film and video, may appear to have been clearly defined, and within At certain points in more for a second of the part ontological essences can be seen to have motivated the pursuit of "film as film," as well as the focus on medium and art context an interest in the focus on medium. an art context an interest of the early video work of the 1960s and 70s. In an age of media convergence, however, such disfinctions may no specificity that marked much of the carly video work of the ablurring or blending of two formerly disfind and inviting te specificity that marked much we witness what appears to be a blurring or blending of two formerly disfinct audiovisual forms. Hence, television longer be so easily drawn, as we witness while the phrase "the end of celluloid" signals cinema's widespread adoption of video technology. Within has become increasingly cinematic, which refers us to the early history of television, also returns us to Belton's observation that the medium of this context Sengmüller's work, which it remesents are all subject to change and always have been 1f the mode. his context sensitive of it, and what it represents are all subject to change and always have been. If the most recent of these mutations has video, our understanding of it, and what it represents are all subject to change and always have been. If the most recent of these mutations has video, our understanding of the analog and the digital technology, it does not follow, however, that these are best understood through reference to a simplified distinction between the analog and the digital. Rather, notions of media convergence and specificity might usefully be considered by way of the evolving relationship between cinematic and televisual forms of visuality and their respective modes of representation. And it is by way of the evolving relationship might need to be a surrestore to by way of the evolving relationship between cinematic and televisual forms of visuality and their respective modes of representation. And it is this relationship that *Big Paul* illuminates through Sengmüller's pursuit of an alternative (and fictive) history of television, resulting in what might be described as video's "return of the repressed."

might be described as a reserved with a dead technology for the twenty-first century, Sengmüller's *Big Paul* uncompromisingly foregrounds Resuscitating and reanimating a dead technology for the installation, and its sheer mechanical presence, confront the viewer in the material apparatus of video image production. The scale of the installation, and its sheer mechanical presence, confront the viewer in a way that makes the apparatus supporting the transmission and reception of video images highly visible and audible, territorializing the a way that makes the apparatume of the material technology of image transmission competes with the video image itself for the space in which the work is installed. Here the material technology of image transmission competes with the video image itself for the viewer's attention. In a phenomenological account of human-machine relations the philosopher Don Ihde expresses the commonly-held view that technology works best when it effaces itself, suggesting: "the better the machine the more 'transparency' there is," in the sense that "it itself does not become objectified or thematic."³ In *Big Paul* Sengmüller engineers the opposite effect, relocating the hardware that. "it itself does not become objectified or thematic."³ In *Big Paul* Sengmüller engineers the opposite effect, relocating the hardware



top John Logie Baird demonstrates a prototype of his mechanical television system (1924). Copyright: Daily Herald Archive / National Science and Media Museum / Science & Society Picture Library

bottom Baird Televisor, 1929 (replica by Denis Asseman, 2008) Copyright: Auction Team Breker, Cologne, Germany, 2018

page 96 A Successful Attempt To See By Wireless Illustration by George Horace Davis, from *The Graphic* magazine, published February 28, 1925. The illustration explains John Logie Baird's mechanical television system.

of media technology to the foreground of the viewer's perceptual experience. As Sengmüller explains, the media mechanism that normally provides the media mechanism time for the spectacle, " the media mechanical drone the oversized Nipkow disks, and also by the intense and inescapable mechanical drone that This effect is achieved, in part, by the mesmerizing rotation of the oversized Nipkow's invention becomes a lethal niece of transition is operating. In Sengmüller's hands Nipkow's invention becomes a lethal niece of transition of the oversized transition of the oversized Nipkow's invention becomes a lethal niece of transition of the oversized transition. fills the gallery when the installation is operating. In Sengmüller's hands Nipkow's invention installations. This factory aesthetic serves to further heighten the viewer's awareness of television focusing wholly on the image produced, as is potential health and safety risk to gallery visitors. perhaps our usual experience of the medium the content and otherwise remains in the background, His solution has been to encase Big Paul in large steel becomes a lethal piece of kinetic sculpture that presents as , here becomes the foreground and the spectacle. v_4 "I [...] transpose 'figure' and 'ground', so to speak: machinecages, similar to those used on industrial -a material assemblage rather than

focusing whom you way on the power and solidity of the installation's mechanical elements, the video image generated by *Big Paul* is modest and insubstantial. In contrast to the power and solidity of the Nipkow disk's scanning pattern, the 240 vertical lines that constitute *Big Paul*'s flickering images appear on Visibly deformed by the circular path of the Nipkow disk's scanning pattern, the 240 vertical lines that constitute *Big Paul*'s flickering images appear on а its material qualities on the spectator's consciousness in a way that is unlikely a screen measuring only for some consciousness in a way that is unlikely to be the case with contemporary bight does in the second consciousness in a way that is unlikely to be the case with contemporary bight does in the second consciousness in a way that is unlikely to be the case with contemporary bight does in the second consciousness in a way that is unlikely to be the case with contemporary bight does in the second consciousness in a way that is unlikely to be the case with contemporary bight does in the second consciousness in a way that is unlikely to be the case with contemporary bight does in the second consciousness in a way that is unlikely to be the case with contemporary bight does in the second consciousness in a way that is unlikely to be the case with contemporary bight does in the second consciousness in a way that is unlikely to be the case with contemporary bight does in the second consciousness in a way that is unlikely to be the case with contemporary bight does in the second consciousness in a way that is unlikely to be the case with contemporary bight does in the second consciousness in a way that is unlikely to be the case with contemporary bight does in the second consciousness in a way that is unlikely to be the case with contemporary bight does in the second consciousness in a way that is unlikely to be the case with contemporary bight does in the second consciousness in a way that is unlikely to be the case with contemporary bight does in the second consciousness in a way that is unlikely to be the case with contemporary bight does in the second consciousness in a way that is unlikely to be the case with contemporary bight does in the second consciousness in the second consciplice as the latter does to a noiseless, immaterial transparency. If Sengmüller's media archaeological installation resurrects isibly detormed by the construction in the source of the s to be the case with contemporary high definition digital video, aspiring

If Sengmüller's media archaeological instantion resurves on an audiovisual landscape that is becoming increasingly cinematic—a If Sengmüller's media archaeological instantion resurves on the video image in an audiovisual landscape that is becoming increasingly cinematic—a then *Big Paul* might be understood to stake a new place for the video image in an audiovisual landscape that is becoming increasingly cinematic—a then *Big Paul* might be understood to stake a new place for the video image in an audiovisual landscape that is becoming increasingly cinematic—a landscape that is not limited to mainstream television but is also encounterintuitive, given that so much has been made of the so-called "death of landscape that is not more than the content of the so-called "daths for a contemporary expansion of cinematic visuality may at first seem counterintuitive, given that so much has been made of the so-called "death of contemporary expansion of cinematic visuality may at first seem to decline of celluloid, whereby cinema's photographic identity is seen to have been cinema." Central to the discourse on this topic has been the decline of celluloid, whereby cinema's photographic identity is seen to have been cinema." Central to the discourse on this topic has been the latter has impacted not only on the way in which circuits is seen to have been cinema." radically threatened by digital technology's electronic image. The latter has impacted not only on the way in which cinema's moving images are recorded but also how they are edited, post-produced, distributed, and exhibited—each one a nail in the coffin for a narticular of the mages are edited on Avid Media Composer, projected digitally in cinemas, or distributed digital. Put another way, in the digital age cinema becomes a form of video. recorded but and the interminal decline, if not already deceased. When feature films are shot on Arri, Alexa, or Red Epic digital cameras, now understood to be in terminal decline, if not already deceased. When feature films are shot on Arri, Alexa, or Red Epic digital cameras, now understood to be in terminal decline, if not already deceased. When feature films are shot on Arri, Alexa, or Red Epic digital cameras, now understood to be in terminal decline, if not already deceased. resuscitates Nipkow's invention for the age of high definition television, and viewed online, then cinema has undoubtedly become

ngital. Fur another the wave of the wave in which the electronic moving image has consciously achieved to be a specific mode of representation and a form of visuality. The development of increasingly high definition video and the adoption of a now commonplace 16:9 representation and a form of visuality. The development of increasingly high definition video and the adoption of a now commonplace 16:9 of digital technology a decade later. Marketing professional Digital Betacam equipment in the 1990s, the Sony Corporation emphasized and visual codes of Hollywood film,⁵ video's dream of becoming cinematic became particularly evident with the widespread introduction and visual codes of Hollywood film.⁵ video's dream or fessional Digital Betacam eminment in the toose the community of the specific distribution of the specific distrib Although John T. Caldwell has identified the 1980s as a period when broadcast television actively sought to emulate the production values or digital versions of their video cameras to achieve filmic effects,⁶ while camcorders sold for amateur use during this period the capacity of their video cameras to achieve filmic effects,⁶ while camcorders sold for amateur use during this period presentation are bused to a cinematic as a neriod when broadcast relevision activate constitution to a cinematic aesthetic spect ratio for television are bused to a cinematic aesthetic spect ratio for television activate to a cinematic aesthetic spect ratio for television activate to a cinematic aesthetic spect ratio for television activate to a cinematic aesthetic spect ratio for television activate to a cinematic aesthetic spect ratio for television activate to a cinematic aesthetic spect ratio for television activate to a cinematic aesthetic spect ratio for television activate to a cinematic aesthetic spect ratio for television activate to a cinematic aesthetic spect ratio for television activate to activate to a cinematic aesthetic spect ratio for television activate to a What we witness, as a result, is video's own deathalso evidence



Mr. J. L. Baird, who demonstrated the transmission of moving Shadowgraphs by wireless early this year, is now perfecting a machine designed to transmit actual images. In the Baird system of television the light is projected on to a semitive coll by means of a system of lenses revolving on a disc at 500 revolutions per minute. Passing through a serrated disc whirling round at 5000 revolutions per minute, the light is interrupted, and next falls on a colloidal cell invented by Mr. Baird, and is converted into a current of varying intensity. The pulsating current is then transmitted in the ordinary way to the receiving station, and being amplified controls a lamp whose light, passing through the lenses of another revolving disc, traveruse a ground glass a treen on which the image is reproduced by a series of line strips of varying shades. At present the invention is in its inlancy, but already it is possible to note the person at the transmitting and wishing or openior his mouth a distinct advance.

use of digital single-lens the lure of the cinematic unceed. The further promoted and supported the widesbread adoption of a cinematic aesthetic built on video technology, reflex cameras, such as the Canon 5D, has further promoted and supported the widesbread adoption of a cinematic aesthetic built on video technology. -the Here the use of prime results finding its way even into television news coverage. In 2012, for example, a series of news reports from rebel-held areas in cinematic sensibility that results from rebel-held areas in cinematic sensibility that are more contents from rebel-held areas in cinema than use trantices and time-lapse cinematography.⁷ Thus, we witness something of a paradox: As the technology supporting of the between shots in a montage sequence, and time-lapse cinematography.⁷ Thus, we witness something of a paradox: As the technology supporting of the between shots in a montage sequence. between shots in a more second of the production moves from celluloid to video ("the death of cinema"), the aesthetics of video begin to transform radically, vast majority of moving image production moves from radically. by ia broaucase of the tradition of television news reporting. These included the use of extreme wide angle lenses, improvised tracking shots, long cross-fad cinema than the tradition of television news reporting cinematography a cinematic sensionity that the BBC featured shots with a noticeably shallow depth of field, along with other effects that are more familiar from photography Syria broadcast by the BBC featured shots with a noticeably shallow depth of field, along with other effects that are more familiar from photography reflex cameras, such as the set of delivering a film-like restricted depth of field has led to a particularly noticeable change in the video image. Here the use of prime lenses capable of delivering a film-like restricted depth of field has led to a particularly noticeable change in the video image. the lure of the cinematic through the inclusion of 16:9 cropping and "Movie Mode" on some models. In more recent times the transmuting under the gravitational pull of cinematic audiovisuality.

auting unuer two seconds of video in the gallery. The wides and second of video in the gallery. The wides predimentation of video projection by both This same transmutation also impacts upon the second This same transments that increasingly rarely is anything but historical work displayed on video monitors out of choice rather than necessity. curators and artists means that increasingly rarely is anythin the gallery environment has been rendered virtual vi wrators and a tree to be norm, the technology of video within the gallery environment has been rendered virtually invisible, particularly when With projection becoming the norm, the reconstruction of video within a subjection becoming the network of the subjection becoming the network of the subjection becoming the network of the subjection of the subjection becoming the network of the subjection becoming the With projection comments and increasing in power, are mounted on gallery ceilings. In this environment the spectator is drawn like a moth to the projectors, decreasing in size and increasing in projectors. decreasing in size and increasing in projection is drawn like a moth to the projectors, ucutating and the accountering large-scale high definition images that transpose something of the cinema to the white cube. Compare light of the screen, regularly encountering large and non-second formers and homers are defined. ight of the screen, resurgence of 16 mm film in the gallery, wherein projectors and loopers are placed on conspicuous display, and in this, then, with the contemporary resurgence of 16 mm film in the share where the installation is situated Writting and in the share where the installation is situated Writting and in the share where the installation is situated Writting and in the share share the share where the installation is situated Writting and solutions display, and in this, then, with the contemporary receiver states throughout the space where the installation is situated. Writing on Tacita Dean's 16 mm installation which the whirr of the projector often radiates throughout the space where the installation is situated. Writing on Tacita Dean's 16 mm installation which the which the whirr of the projector [as] an intrinsic musical undertone" in a piece that "had none of the Bubble House (1999), Simon Schama describes "the pure describes—signaling a kind of contamony." signaling a kind of contemporary dematerialization of video—is a far cry flick virtuality of view and early development of video art. In Nam June Paik's groundbreaking 1963 show at the Galerie Parnass TV sets modified by from the origins and early development of video arts dimension of felevision's technological arts in the Galerie Parnass TV sets modified by rom the origina meeting is the provision of the second of he artist assumed a set of the origins of video art. Here, once again, we have the origins of video art. Here, once again, we have the the the origins of video art. Here, once again, we have the In this respects of a point in the source of light rather than looking with it. The effect is to rematerialize video at a point in time when its cinematic opportunity to look into the source of right rather the medium and formerly characterialize of a point in time when its cinematic The history of the medium suggests that what is understood at any particular moment as video is subject to change and that the dependence of the medium, and formerly characteristic of it. (dis)guise begins to obscure a mode of visuality unique to the medium, and formerly characteristic of it. slick virtuality of video art."8 The virtuality that Schama describes—

The mistory of the meaning, also mutate over time. As Belton suggests, these meanings and perceptions are informed by viewer's perception of it, as well as its meaning, also mutate or time. As Belton suggests, these meanings and perceptions are informed by viewer's perceptions of the presentation, including cinema. Thus, we might ask the question, if the qualities and video's changing relationship with other forms of transformation, when is it is the question of the qualities and rideo s changues comments for the process of transformation, what is it precisely that *Big Paul* reclaims, and what is at meanings attributed to video have always been in the process of transformation, what is it precisely that *Big Paul* reclaims, and what is at stake in this return of the repressed?

In this return of the return of the return of the standing television and video's particular mode of visuality and is, of course, The notion of liveness is perhaps central to understanding television and video's particular mode of visuality and is, of course, The notion of more than the sum as of course, what Gerald Cock, BBC Director of Television, was celebrating in 1936 in his comment above. Sengmüller's installation reminds _{us}



PHOTO-ELECTRIC

top How image scanning with the Nipkow Disk and photo-electric cells works. Illustration from *Radio News* from April 1928 (detail).

ARC LIGHT

bottom Nam June Paik at his Exposition of Music – Electronic Television. Galerie Parnass, Wuppertal. March 11-20, 1963. Photo: George Maciunas (1931-1978) Copyright: New York, Museum of Modern Art (MoMA). Gelatin silver print, image: 48 × 47.9 cm; sheet 60.7×50.5 cm. The Gilbert and Lila Silverman Fluxus Collection Gift. Acc. n.: 2396.2008. © 2018 Digital image, The Museum of Modern Art, New York / Scala, Florence

page 100, top Big Paul Gebhard Sengmüller, installation, as of June 2018. A light beam scans the object to be televised. Copyright: Gebhard Sengmüller

page 100, bottom Big Paul Gebhard Sengmüller, installation, as of June 2018. Looking through the spinning Televisor disk, the image is reproduced. Copyright: Gebhard Sengmüller



that television developed originally as a form of transmission—in contrast to cinema, whose photographic roots locate it as a means of recording. Thus, the medium's prefix "tele" aligns it with the telephone and the telegraph, both of which enabled the virtually instantaneous transmission of a signal over distance. In shrinking television's etymological "seeing from afar" to the constrained space of the gallery. Sengmüller comically foregrounds the liveness distance. In shrinking television howing into the screen on *Big Paul*'s receiving device is likely to be in close physical provinsion. distance. In structure vectors, for each other screen on *Big Paul's* receiving device is likely to be in close physical proximity to, and acutely aware of, of transmission, whereby a person looking into the screen on *Big Paul's* receiving device is likely to be in close physical proximity to, and acutely aware of, of transmission, whereby a person look than two meters away. the subject of the image standing less than two meters away

the subject of the image success. It should be pointed out, however, that television's sense of liveness and immediacy is not limited only to live transmission but is also perceived as a distinctive feature of recorded video. As Belton puts it, "for the average viewer, it is impossible to distinguish between a 'live' broadcast and a videotaped a distinctive feature of recorded, whether live or recorded, whether broadcast television or video art, has a temporal quality that distinguishes it from recording of it." Thus all video, whether scinema. Video's characteristic present-tense sense of "nowness" is indicated in the scinema. photography's indexternormer of the particular with television; but according to Belton this quality might also have a technological basis, due to the scanned cultural associations, and in particular with television; but according to Belton this quality might also have a technological basis, due to the scanned cultural associations, and in particular with television; but according to Belton this quality might also have a technological basis, due to the scanned cultural associations, and in particular with television; but according to While it own realization. Their association with immediacy and presentness nature of the electronic image: "Video images are always in the process of their own realization. Their association with immediacy and presentness of the scanned in the process of the pr recording of the finance of pastness, and thus cinema. Video's characteristic present-tense sense of "nowness" is undoubtedly due in part to its photography's indexical sense of pastness, and thus cinema. Video's characteristic present-tense sense of "nowness" is undoubtedly due in part to its nature of the electronic image. The process of coming in to being, "10 While it is true that cinema has made its own claims to the present tense, " is partly because they are always in the process of coming in to being," While it is true that cinema has made its own claims to the present tense, " this is complicated by photography's ontological status as a record of the past—its complex form of temporality signaled by the phrase "this was this is complicated by photography's ontological status as a record of the past—its complex form of temporality signaled by the phrase "this was now."¹² Hence, when video aspires to emulate the cinematic, its sense of liveness is one of the qualities that is it often sacrificed (particularly when now."¹² Hence, when video aspires to rames per second "flicker"). However, it is precisely this experience of "normality of the particularly when now." Hence, when these of mechanical television. foregrounded in Big Paul's resurrection of mechanical television.

Jussi Parikka has Provide and It is this simple formulation that suggests the potential for Sengmüller's work to make an intervention into the contemporary audiovisual environment rather than simply revisiting the past. Sengmüller's reanimation of a dead technology is purposefully framed within an alternative history of television. In documentation accompanying the installation Sengmüller sketches a convincing, but fictional, account of the development of mechanical television, proposing that rather than being abandoned in the 1930s Nipkow's system remained in use until the 1960s in "developing countries within the Soviet sphere of influence."¹⁴ Thus, Sengmüller creates a counterfactual history that eases the 1960s in developme communication into the contemporary audiovisual environment. Rather than dealing with technological the re-emergence of mechanical television into the contemporary audiovisual environment. Rather than dealing with technological the re-emergence of mechanical television into the contemporary audiovisual environment. Rather than dealing with technological the re-emergence of mechanical television into the contemporary audiovisual environment. Rather than dealing with technological the re-emergence of mechanical television into the contemporary audiovisual environment. Rather than dealing with technological change in a linear, teleological, and purely historical manner, *Big Paul* situates the present state of video, and our perception of it, change in a linear, teleological, and what is at stake here is precisely the way in which modes of view linear in the second state of and the spectator's perception of that representation. To take one example, if the sense of liveness and presentness associated with change in a mixery server of the precise of the way in which modes of visuality inform representation within currents of ongoing change. And what is at stake here is precisely the way in which modes of visuality inform representation within currents of ongoing change. And what is at stake here is precisely the way in which modes of visuality inform representation. video is lost from television news coverage, then as viewers we may become further distanced—and insulated—from what is represented on the screen. In reclaiming a specific mode of visuality that is currently in the process of being forgotten, *Big Paul's* otherness creates a vantage point from which we can observe the way in which video's visual qualities, and what they mean, have not only changed historically, but continue to do so. Jussi Parikka has proposed that media archaeology involves "thinking the new and the old in parallel lines,"¹³ and it is this simple







Thanks to Aileen Derieg for English translations of parts of the text.

- Gerald Cock, "Looking Forward A personal forecast of the future of television," *Radio Times* 53, no. 682 (Oct. 23, 1936), pp. 6–7.
- John Belton, "Looking Through Video: The Psychology of Video and Film," in *Resolutions: Contemporary Video Practices*, eds. Michael Renov and Erika Suderburg (Minneapolis: University of Minnesota Press, 1996), pp. 61–72, here p. 62.
- Don IIde, "The Experience of Technology: Human-Machine Relations," *Cultural Hermeneutics* 2 (1974): pp. 267–279, here p. 272.
- Gebhard Sengmüller, "Big Paul brochure," http://gebseng.com/11_big_paul/big_paul_brochure.pdf (accessed on Oct. 22, 2018).
- John T. Caldwell, *Televisuality: Style, Crisis and Authority in American Television* (New Brunswick: Rutgers University Press, 1995), p. 10.
- Chris Dickson (ed.), Digital Cinematography Guide (Weybridge, Surrey: Sony Broadcast & Professional UK, 1996), pp. 6–7.
- 7. News at Ten, BBC 1, Jan. 20 and Feb. 24, 2012.
- 8. Simon Schama, "Simon Schama talks to Tacita Dean," *Financial Times*, Sept. 30, 2011, https://www. ft.com/content/b94bfcb4-e973-11e0-af7b-00144feab49a (accessed on Oct. 22, 2018).
- 9. Belton, "Looking Through Video," p. 66.
- 10. Ibid., p. 67.
- 11. Pier Paolo Pasolini, "Observations on the Long Take," October 13 (summer 1980): pp. 3–6.
- 12. Laura Mulvey, Death 24x a Second: Stillness and the Moving Image (London: Reaktion Books, 2006), p. 57.
- 13. Jussi Parikka, What is Media Archaeology? (London: Polity, 2012), p. 2.
- 14. Sengmüller, "Big Paul brochure."