The Work of Art in the Age of Mechanical Reproduction

Walter Benjamin

Our fine arts were developed, their types and uses were established, in times very different from the present, by men whose power of action upon things was insignificant in comparison with ours. But the amazing growth of our techniques, the adaptability and precision they have attained, the ideas and habits they are creating, make it a certainty that profound changes are impending in the ancient craft of the Beautiful. In all the arts there is a physical component which can no longer be considered or treated as it used to be, which cannot remain unaffected by our modern knowledge and power. For the last twenty years neither matter nor space nor time has been what it was from time immemorial. We must expect great innovations to transform the entire technique of the arts, thereby affecting artistic invention itself and perhaps even bringing about an amazing change in our very notion of art. 1

—Paul Valéry, Pièces sur l'Art, "La Conquète de l'ubiquité," Paris.

REFACE

When Marx undertook his critique of the capitalistic mode of production, this mode was in its infancy. Marx directed his efforts in such a way as to give them prognostic value. He went back to the basic conditions underlying capitalistic production and through his presentation showed what could be expected of capitalism in the future. The result was that one could expect it not only to exploit the proletariat with increasing intensity, but ultimately to create conditions which would make it possible to abolish capitalism itself.

The transformation of the superstructure, which takes place far more slowly than that of the substructure, has taken more than half a century to manifest in all areas of culture the change in the conditions of

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under present conditions of production. Their dialectic is no less power or about the art of a classless society would have less bearing on However, theses about the art of the proletariat after its assumption of Certain prognostic requirements should be met by these statements. production. Only today can it be indicated what form this has taken. noticeable in the superstructure than in the economy. It would therethese demands than theses about the developmental tendencies of art and genius, eternal value and mystery—concepts whose uncontrolled They brush aside a number of outmoded concepts, such as creativity fore be wrong to underestimate the value of such theses as a weapon. cessing of data in the fascist sense. The concepts which are introduced (and at present almost uncontrollable) application would lead to a promands in the politics of art. are, on the other hand, useful for the formulation of revolutionary de in that they are completely useless for the purposes of fascism. They into the theory of art in what follows differ from the more familiar terms

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and, finally, by third parties in the pursuit of gain. Mechanical repropupils in practice of their craft, by masters for diffusing their works, In principle a work of art has always been reproducible. Man-made cally reproducing the works of art: founding and stamping. Bronzes, duction of a work of art, however, represents something new. Historiartifacts could always be imitated by men. Replicas were made by terra cottas, and coins were the only art works which they could proaccelerated intensity. The Greeks knew only two procedures of technically, it advanced intermittently and in leaps at long intervals, but with duction of writing, has brought about in literature are a familiar story, print. The enormous changes which printing, the mechanical reproproducible for the first time, long before script became reproducible by reproduced. With the woodcut graphic art became mechanically reduce in quantity. All others were unique and could not be mechanically ticularly important, case. During the Middle Ages engraving and etchtury lithography made its appearance. the perspective of world history, print is merely a special, though par-However, within the phenomenon which we are here examining from ing were added to the woodcut; at the beginning of the nineteenth cen-

With lithography the technique of reproduction reached an essentially new stage. This much more direct process was distinguished by the tracing of the design on a stone rather than its incision on a block of wood or its etching on a copperplate and permitted graphic art for the first time to put its products on the market, not only in large numbers as

surpassed by photography. For the first time in the process of pictorial graphic art to illustrate everyday life, and it began to keep pace with a lens. Since the eye perceives more swiftly than the hand can draw, the tic functions which henceforth devolved only upon the eye looking into printing. But only a few decades after its invention, lithography was hitherto, but also in daily changing forms. Lithography enabled studio captures the images at the speed of an actor's speech. Just as lithography virtually implied the illustrated newspaper, so did photoprocess of pictorial reproduction was accelerated so enormously that it reproduction, photography freed the hand of the most important artisgraphy foreshadow the sound film. The technical reproduction of could keep pace with speech. A film operator shooting a scene in the sound was tackled at the end of the last century. These convergent enso we shall be supplied with visual or auditory images, which will aphouses from far off to satisfy our needs in response to a minimal effort, deavors made predictable a situation which Paul Valery pointed up in and thus to cause the most profound change in their impact upon the dard that not only permitted it to reproduce all transmitted works of art pear and disappear at a simple movement of the hand, hardly more this sentence: "Just as water, gas, and electricity are brought into our nature of the repercussions that these two different manifestationsses. For the study of this standard nothing is more revealing than the public; it also had captured a place of its own among the artistic procesthan a sign."² Around 1900 technical reproduction had reached a stanart in its traditional form. the reproduction of works of art and the art of the film—have had on

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Even the most perfect reproduction of a work of art is lacking in one element: its presence in time and space, its unique existence at the place where it happens to be. This unique existence of the work of art determined the history to which it was subject throughout the time of its existence. This includes the changes which it may have suffered in physical condition over the years as well as the various changes in its ownership. The traces of the first can be revealed only by chemical or physical analyses which it is impossible to perform on a reproduction; changes of ownership are subject to a tradition which must be traced from the situation of the original.

The presence of the original is the prerequisite to the concept of authenticity. Chemical analyses of the patina of a bronze can help to establish this, as does the proof that a given manuscript of the Middle

Ages stems from an archive of the fifteenth century. The whole sphere

cal-reproducibility. 4 Confronted with its manual reproduction, of authenticity is outside technical—and, of course, not only technireach for the original itself. Above all, it enables the original to meet the can put the copy of the original into situations which would be out of of certain processes, such as enlargement or slow motion, can capture chooses its angle at will. And photographic reproduction, with the aid to the naked eye yet accessible to the lens, which is adjustable and duction can bring out those aspects of the original that are unattainable manual reproduction. For example, in photography, process reprothority; not so vis à vis technical reproduction. The reason is twofold. which was usually branded as a forgery, the original preserved all its auimages which escape natural vision. Secondly, technical reproduction First, process reproduction is more independent of the original than the open air, resounds in the drawing room. lover of art; the choral production, performed in an auditorium or in record. The cathedral leaves its locale to be received in the studio of a beholder halfway, be it in the form of a photograph or a phonograph

substantive duration to its testimony to the history which it has experisence of all that is transmissible from its beginning, ranging from its spectator in a movie. In the case of the art object, a most sensitive nucleenced. Since the historical testimony rests on the authenticity, the object is vulnerable on that score. The authenticity of a thing is the esus—namely, its authenticity—is interfered with whereas no natural but also, for instance, for a landscape which passes in review before the its presence is always depreciated. This holds not only for the art work can be brought may not touch the actual work of art, yet the quality of timony is affected is the authority of the object. ceases to matter. And what is really jeopardized when the historical tesformer, too, is jeopardized by reproduction when substantive duration The situations into which the product of mechanical reproduction

a tremendous shattering of tradition which is the obverse of the conreproduction to meet the beholder or listener in his own particular sitututes a plurality of copies for a unique existence. And in permitting the is the aura of the work of art. This is a symptomatic process whose siggo on to say: that which withers in the age of mechanical reproduction connected with the contemporary mass movements. Their most power temporary crisis and renewal of mankind. Both processes are intimately ation, it reactivates the object reproduced. These two processes lead to from the domain of tradition. By making many reproductions it substiing: the technique of reproduction detaches the reproduced object nificance points beyond the realm of art. One might generalize by say One might subsume the eliminated element in the term "aura" and

> Zujolaka other at the gate."6 Presumably without intending it, he issued an invi gions ... await their exposed resurrection, and the heroes crowd each all mythologies and all myths, all founders of religion, and the very reli tive form, is inconceivable without its destructive, cathartic aspect, that ful agent is the film. Its social significance, particularly in its most positation to a far-reaching liquidation. "Shakespeare, Rembrandt, Beethoven will make films . . . all legends, ever new positions. In 1927 Abel Gance exclaimed enthusiastically: is, the liquidation of the traditional value of the cultural heritage. This phenomenon is most palpable in the great historical films. It extends to

saw the birth of the late Roman art industry and the Vienna Genesis, cumstances as well. The fifth century, with its great shifts of population, accomplished, is determined not only by nature but by historical cirwhich human sense perception is organized, the medium in which it is changes with humanity's entire mode of existence. The manner in temporary perception can be comprehended as decay of the aura, it is more tavorable in the present. And if changes in the medium of conchanges of perception. The conditions for an analogous insight are saw no way-to show the social transformations expressed by these perception in late Roman times. They did not attempt—and, perhaps, selves to showing the significant, formal hallmark which characterized clusions from them concerning the organization of perception at the which these later art forms had been buried, were the first to draw conalso a new kind of perception. The scholars of the Viennese school, and there developed not only an art different from that of antiquity but During long periods of history, the mode of human sense perception possible to show its social causes. time. However far-reaching their insight, these scholars limited them-Riegl and Wickhoff, who resisted the weight of classical tradition under

rests on two circumstances, both of which are related to the increasing comprehend the social bases of the contemporary decay of the aura. It aura of those mountains, of that branch. This image makes it easy to zon or a branch which casts its shadow over you, you experience the mer afternoon, you follow with your eyes a mountain range on the horinon of a distance, however close it may be. If, while resting on a sumof natural ones. We define the aura of the latter as the unique phenome significance of the masses in contemporary life. Namely, the desire of historical objects may usefully be illustrated with reference to the aura The concept of aura which was proposed above with reference to

cess of unlimited scope, as much for thinking as for perception. adjustment of reality to the masses and of the masses to reality is a procal sphere is noticeable in the increasing importance of statistics. The tion. Thus is manifested in the field of perception what in the theoretigree that it extracts it even from a unique object by means of reproduc-"sense of the universal equality of things" has increased to such a deter as are transitoriness and reproducibility in the former. To pry an obarmed eye. Uniqueness and permanence are as closely linked in the latpicture magazines and newsreels differs from the image seen by the unlikeness, its reproduction. Unmistakably, reproduction as offered by grows stronger to get hold of an object at very close range by way of its of every reality by accepting its reproduction.7 Every day the urge which is just as ardent as their bent toward overcoming the uniqueness contemporary masses to bring things "closer" spatially and humanly, ject from its shell, to destroy its aura, is the mark of a perception whose

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art, which not only denied any social function of art but also any cate might be called a negative theology in the form of the idea of "pure" of l'art pour l'art, that is, with a theology of art. This gave rise to what come evident a century later. At the time, art reacted with the doctrine olutionary means of reproduction, photography, simultaneously with the rise of socialism, art sensed the approaching crisis which has bethe first deep crisis which befell it. With the advent of the first truly revcult of beauty, developed during the Renaissance and prevailing for ritualistic basis, however remote, is still recognizable as secularized art has its basis in ritual, the location of its original use value. This function.8 In other words, the unique value of the "authentic" work of three certuries, clearly showed that ritualistic basis in its decline and ritual even in the most profane forms of the cult of beauty.9 The secular art with reference to its aura is never entirely separated from its ritua then the religious kind. It is significant that the existence of the work of liest art works originated in the service of a ritual—first the magical art in tradition found its expression in the cult. We know that the earits uniqueness, that is, its aura. Originally the contextual integration of an ominous idol. Both of them, however, were equally confronted with veneration, than with the clerics of the Middle Ages, who viewed it as different traditional context with the Greeks, who made it an object of tremely changeable. An ancient statue of Venus, for example, stood in a in the fabric of tradition. This tradition itself is thoroughly alive and ex-The uniqueness of a work of art is inseparable from its being imbedded

> this position.) gorizing by subject matter. (In poetry, Mallarmé was the first to take

another practice—politics. ample, one can make any number of prints; to ask for the "authentic" versed. Instead of being based on ritual, it begins to be based on designed for reproducibility. 10 From a photographic negative, for exto be applicable to artistic production, the total function of art is reprint makes no sense. But the instant the criterion of authenticity ceases ever greater degree the work of art reproduced becomes the work of art pates the work of art from its parasitical dependence on ritual. To an for the first time in world history, mechanical reproduction emancitice to these relationships, for they lead us to an all-important insight: An analysis of art in the age of mechanical reproduction must do jus-

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its public presentability promised to surpass that of the mass. as great as that of a symphony, the latter originated at the moment when though the public presentability of a mass originally may have been just painting as against the mosaic or fresco that preceded it. And even has its fixed place in the interior of a temple. The same holds for the can be sent here and there than to exhibit the statue of a divinity that exhibition of their products. It is easier to exhibit a portrait bust that various art practices from ritual go increasing opportunities for the visible to the spectator on ground level. With the emancipation of the nearly all year round; certain sculptures on medieval cathedrals are inble only to the priest in the cella; certain Madonnas remain covered strument of magic. He did expose it to his fellow men, but in the main it trayed by the man of the Stone Age on the walls of his cave was an inwhat mattered was their existence, not their being on view. The elk porwas meant for the spirits. Today the cult value would seem to demand ceremonial objects destined to serve in a cult. One may assume that on the exhibition value of the work. 11 Artistic production begins with types stand out: with one, the accent is on the cult value; with the other, that the work of art remain hidden. Certain statues of gods are accessi-Works of art are received and valued on different planes. Two polar

was, first and foremost, an instrument of magic. Only later did it come in prehistoric times when, by the absolute emphasis on its cult value, it tion of its nature. This is comparable to the situation of the work of art art, its fitness for exhibition increased to such an extent that the quantitative shift between its two poles turned into a qualitative transforma-With the different methods of technical reproduction of a work of

exemplifications of this new function. is certain: today photography and the film are the most serviceable with entirely new functions, among which the one we are conscious of emphasis on its exhibition value the work of art becomes a creation to be recognized as a work of art. In the same way today, by the absolute the artistic function, later may be recognized as incidental. 12 This much

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prescribed by the sequence of all preceding ones tive in the film where the meaning of each single picture appears to be The directives which the captions give to those looking at pictures in 11challenged by them in a new way. At the same time picture magazines contemplation is not appropriate to them. They stir the viewer; he feels significance. They demand a specific kind of approach; free-floating around 1900, took photographs of deserted Paris streets. It has quite withdraws from the photographic image, the exhibition value for the what constitutes their melancholy, incomparable beauty. But as man the early photographs in the fleeting expression of a human face. This is of remembrance of loved ones, absent or dead, offers a last refuge for dent that the portrait was the focal point of early photography. The cult lustrated magazines soon become even more explicit and more impera they have an altogether different character than the title of a painting begin to put up signposts for him, right ones or wrong ones, no matter dard evidence for historical occurrences, and acquire a hidden political this new stage constitutes the incomparable significance of Atget, who first time shows its superiority to the ritual value. To have pinpointed into an ultimate retrenchment: the human countenance. It is no accithe line. But cult value does not give way without resistance. It retires For the first time, captions have become obligatory. And it is clear that pose of establishing evidence. With Atget, photographs become stan-The scene of a crime, too, is deserted; it is photographed for the purjustly been said of him that he photographed them like scenes of crime the cult value of the picture. For the last time the aura emanates from In photography, exhibition value begins to displace cult value all along

diminish its importance, however; if anything, it underlines it. The sus photography today seems devious and confused. This does not The nineteenth-century dispute as to the artistic value of painting ver-

> enced the development of the film. long time it even escaped that of the twentieth century, which experisemblance of its autonomy disappeared forever. The resulting change age of mechanical reproduction separated art from its basis in cult, the versal impact of which was not realized by either of the rivals. When the in the function of art transcended the perspective of the century; for a dispute was in fact the symptom of a historical transformation the uni-

menting on Max Reinhardt's film version of A Midsummer Night's Dream, Werfel states that undoubtedly it was the sterile copying of the comparison, nor Séverin-Mars from speaking of the film as one might speak of paintings by Fra Angelico. Characteristically, even today cretion. Yet when these speculations were published, films like L'Opinexpress by natural means and with incomparable persuasiveness all of the film into the realm of art. "The film has not yet realized its true exterior world with its streets, interiors, railroad stations, restaurants, meaning, its real possibilities ... these consist in its unique faculty to motorcars, and beaches which until now had obstructed the elevation ultrareactionary authors give the film a similar contextual significance did not keep Abel Gance from adducing hieroglyphs for purposes of ion publique and The Gold Rush had already appeared. This, however, theoreticians to read ritual elements into it-with a striking lack of disnote how their desire to class the film among the "arts" forces these have given amount to the definition of prayer?" 15 It is instructive to the silent film with the question: "Do not all the bold descriptions we enter its ambience." 14 Alexandre Arnoux concludes his fantasy about perfect and mysterious moments of their lives, should be allowed to means of expression. Only the most high-minded persons, in the most Approached in this fashion the film might represent an incomparable what it expresses." 13 Or, in the words of Séverin-Mars: "What art has torial language has not yet matured because our eyes have not yet adwe have come back to the level of expression of the Egyptians. . . . Piccompares the film with hieroglyphs: "Here, by a remarkable regression, forced character of early theories of the film. Abel Gance, for instance, sidered question with regard to the film. But the difficulties which art—was not raised. Soon the film theoreticians asked the same ill-conwhether photography is an art. The primary question-whether the been granted a dream more poetical and more real at the same time! justed to it. There is as yet insufficient respect for, insufficient cult of, compared to those raised by the film. Whence the insensitive and photography caused traditional aesthetics were mere child's play as very invention of photography had not transformed the entire nature of -if not an outright sacred one, then at least a supernatural one. Com-Earlier much futile thought had been devoted to the question of

that is fairylike, marvelous, supernatural." 16

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sented by a camera, with a twofold consequence. The camera that prepublic by the actor in person; that of the screen actor, however, is pre-The artistic performance of a stage actor is definitely presented to the era, not to mention special camera angles, close-ups, etc. Hence, the prises certain factors of movement which are in reality those of the camfrom the material supplied him constitutes the completed film. It commance. The sequence of positional views which the editor composes camera continually changes its position with respect to the perforthe performance as an integral whole. Guided by the cameraman, the sents the performance of the film actor to the public need not respect cation with the actor is really an identification with the camera. Conperiencing any personal contact with the actor. The audience's identifisince he does not present his performance to the audience in person. of the stage actor to adjust to the audience during his performance, sented by means of a camera. Also, the film actor lacks the opportunity sequently the audience takes the position of the camera; its approach is performance of the actor is subjected to a series of optical tests. This is that of testing. 17 This is not the approach to which cult values may be This permits the audience to take the position of a critic, without exthe first consequence of the fact that the actor's performance is pre-

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emptiness: his body loses its corporeality, it evaporates, it is deprived of part is acted not for an audience but for a mechanical contrivance—in sound film did not change anything essential. What matters is that the lent film only, this hardly impairs their validity. For in this respect, the Gira were limited to the negative aspects of the question and to the siing was Pirandello. Though his remarks on the subject in his novel Si One of the first to sense the actor's metamorphosis by this form of testto the public before the camera, rather than representing someone else. For the film, what matters primarily is that the actor represents himself from himself. With a vague sense of discomfort he feels inexplicable reality, life, voice, and the noises caused by his moving about, in order Pirandello, "feels as if in exile—exiled not only from the stage but also the case of the sound film, for two of them. "The film actor," wrote

> velopes the actor vanishes, and with it the aura of the figure he portrays camera is substituted for the public. Consequently, the aura that enence; there can be no replica of it. The aura which, on the stage, emacamera." 18 This situation might also be characterized as follows: for the of the actor. However, the singularity of the shot in the studio is that the nates from Macbeth, cannot be separated for the spectators from that his whole living person, yet foregoing its aura. For aura is tied to his presfirst time—and this is the effect of the film—man has to operate with before the public, and he himself must be content to play before the then vanishing into silence.... The projector will play with his shadow to be changed into a mute image, flickering an instant on the screen,

a piece; it is composed of many separate performances. Besides certain very often is denied this opportunity. His creation is by no means all of actor identifies himself with the character of his role. The film actor stage prop chosen for its characteristics and . . . inserted at the proper place." ¹⁹ With this idea something else is closely connected. The stage fects are almost always obtained by 'acting' as little as possible...." In duction. Experts have long recognized that in the film "the greatest efis completely subject to or, like the film, founded in, mechanical reprodeed no greater contrast than that of the stage play to a work of art that in which we see the theater. Any thorough study proves that there is inwho, in characterizing the film, inadvertently touches on the very crisis cal cases can easily be construed. Let us assume that an actor is supstudio as a jump from a scaffold, and the ensuing flight, if need be, can obvious montage. Thus a jump from the window can be shot in the rate shootings which may take hours at the studio; not to mention more split the actor's work into a series of mountable episodes. In particular, players, décor, etc., there are elementary necessities of equipment that posed to be startled by a knock at the door. If his reaction is not satisfacbe shot weeks later when outdoor scenes are taken. Far more paradoxithe screen, unfolds as a rapid and unified scene, in a sequence of sepatortuitous considerations, such as cost of studio, availability of fellow be the only sphere where art could thrive. forewarned of it. The frightened reaction can be shot now and be cut be at the studio again he has a shot fired behind him without his being tory, the director can resort to an expedient: when the actor happens to lighting and its installation require the presentation of an event that, on 1932 Rudolf Arnheim saw "the latest trend . . . in treating the actor as a the realm of the "beautiful semblance" which, so far, had been taken to into the screen version. Nothing more strikingly shows that art has left It is not surprising that it should be a dramatist such as Pirandello

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as Pirandello describes it, is basically of the same kind as the estrangeimage has become separable, transportable. And where is it transment felt before one's own image in the mirror. But now the reflected The feeling of strangeness that overcomes the actor before the camera, olutionary criticism of traditional concepts of art. We do not deny that ary merit can be accredited to today's film than the promotion of a revthe movie-makers' capital sets the fashion, as a rule no other revolutionthe film industry, preserves not the unique aura of the person but the outside the studio. The cult of the movie star, fostered by the money of shriveling of the aura with an artificial build-up of the "personality" contribute to that oppression, that new anxiety which, according to he has as little contact with it as any article made in a factory. This may whole self, his heart and soul, is beyond his reach. During the shooting the market. This market, where he offers not only his labor but also his that ultimately he will face the public, the consumers who constitute cease to be conscious of this fact. While facing the camera he knows ported? Before the public. 20 Never for a moment does the screen actor production of Western Europe. social conditions, even of the distribution of property. However, our in some cases today's films can also promote revolutionary criticism of "spell of the personality," the phony spell of a commodity. So long as Pirandello, grips the actor before the camera. The film responds to the present study is no more specifically concerned with this than is the film

everybody who witnesses its accomplishments is somewhat of an exvictor has an opportunity to rise from delivery boy to professional racer. Similarly, the newsreel offers everyone the opportunity to rise livery boys. These arouse great interest among the participants, for the is not for nothing that newspaper publishers arrange races for their depert. This is obvious to anyone listening to a group of newspaper boys situation of contemporary literature. himself part of a work of art, as witness Vertov's Three Songs About from passer-by to movie extra. In this way any man might even find leaning on their bicycles and discussing the butcome of a bicycle race. It This claim can best be elucidated by a comparative look at the historica Lenin or Ivens's Borinage. Any man today can lay claim to being filmed It is inherent in the technique of the film as well as that of sports that

political, religious, scientific, professional, and local organs before the With the increasing extension of the press, which kept placing new thousands of readers. This changed toward the end of the last century readers, an increasing number of readers became writers—at first, oc For centuries a small number of writers were confronted by many

> man's ability to perform the work. Literary license is now founded on some minor respect, the reader gains access to authorship. In the Soviet willy-nilly in an extremely specialized work process, even if only in reader is ready to turn into a writer. As expert, which he had to become and public is about to lose its basic character. The difference becomes tary reports, or that sort of thing. Thus, the distinction between author polytechnic rather than specialized training and thus becomes common Union work itself is given a voice. To present it verbally is part of a merely functional; it may vary from case to case. At any moment the lish somewhere or other comments on his work, grievances, documen-European who could not, in principle, find an opportunity to pub-"letters to the editor." And today there is hardly a gainfully employed casional ones. It began with the daily press opening to its readers space for

not actors in our sense but people who portray themselves—and exploitation of the film denies consideration to modern man's legitiprimarily in their own work process. In Western Europe the capitalistic tice, particularly in Russia, this change-over has partially become estaberature took centuries have come about in a decade. In cinematic pracpromoting spectacles and dubious speculations. dustry is trying hard to spur the interest of the masses through illusion mate claim to being reproduced. Under these circumstances the film inlished reality. Some of the players whom we meet in Russian films are All this can easily be applied to the film, where transitions that in lit-

well aware of the place from which the play cannot immediately be detween a scene in the studio and one on the stage. In the theater one is other, renders superficial and insignificant any possible similarity bewere on a line parallel with the lens. This circumstance, more than any equipment, lighting machinery, staff assistants, etc.—unless his eye exclude from the actual scene such extraneous accessories as camera which it is impossible to assign to a spectator a viewpoint which would eign substance of equipment is the result of a special procedure penetrated so deeply into reality that its pure aspect freed from the forof cutting. That is to say, in the studio the mechanical equipment has being shot. Its illusionary nature is that of the second degree, the result tected as illusionary. There is no such place for the movie scene that is imaginable anywhere at any time before this. It presents a process in The shooting of a film, especially of a sound film, affords a spectacle unnamely, the shooting by the specially adjusted camera and the mount

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ing of the shot together with other similar ones. The equipment-free aspect of reality here has become the height of artifice; the sight of immediate reality has become an orchid in the land of technology.

which differ so much from those of the theater, with the situation in slightly by the laying on of hands, he greatly increases it by virtue of his ral distance between the patient and himself; though he reduces it very surgeon cuts into the patient's body. The magician maintains the natucal operation. The surgeon represents the polar opposite of the magipainting. Here the question is: How does the cameraman compare with sive moment abstains from facing the patient man to man; rather, it is tient's body, and increases it but little by the caution with which his the distance between himself and the patient by penetrating into the paauthority. The surgeon does exactly the reverse; he greatly diminishes cian. The magician heals a sick person by the laying on of hands; the the painter? To answer this we take recourse to an analogy with a surgithrough the operation that he penetrates into him. who is still hidden in the medical practitioner—the surgeon at the decihands move among the organs. In short, in contrast to the magician— Even more revealing is the comparison of these circumstances,

Magician and surgeon compare to painter and cameraman. The painter maintains in his work a natural distance from reality, the cameraman penetrates deeply into its web. ²² There is a tremendous difference between the pictures they obtain. That of the painter is a total one, that of the cameraman consists of multiple fragments which are assembled under a new law. Thus, for contemporary man the representation of reality by the film is incomparably more significant than that of the painter, since it offers, precisely because of the thoroughgoing permeation of reality with mechanical equipment, an aspect of reality which is free of all equipment. And that is what one is entitled to ask from a work of art.

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Mechanical reproduction of art changes the reaction of the masses toward art. The reactionary attitude toward a Picasso painting changes into the progressive reaction toward a Chaplin movie. The progressive reaction is characterized by the direct, intimate fusion of visual and emotional enjoyment with the orientation of the expert. Such fusion is of great social significance. The greater the decrease in the social significance of an art form, the sharper the distinction between criticism and enjoyment by the public. The conventional is uncritically enjoyed, and the truly new is criticized with aversion. With regard to the screen, the

critical and the receptive attitudes of the public coincide. The decisive reason for this is that individual reactions are predetermined by the mass audience response they are about to produce, and this is nowhere more pronounced than in the film. The moment these responses become manifest they control each other. Again, the comparison with painting is fruitful. A painting has always had an excellent chance to be viewed by one person or by a few. The simultaneous contemplation of paintings by a large public, such as developed in the nineteenth century, is an early symptom of the crisis of painting, a crisis which was by no means occasioned exclusively by photography but rather in a relatively independent manner by the appeal of art works to the masses.

social role of painting, it does constitute a serious threat as soon as this circumstance in itself should not lead one to conclusions about the neous collective experience, as it was possible for architecture at all painting, under special conditions and, as it were, against its nature, is times, for the epic poem in the past, and for the movie today. Although eenth century, a collective reception of paintings did not occur simultathe Middle Ages and at the princely courts up to the end of the eightconfronted directly by the masses. In the churches and monasteries of selves in their reception.²³ Thus the same public which responds in a painting was implicated by the mechanical reproducibility of paintings. neously, but by graduated and hierarchized mediation. The change that reactionary manner to surrealism. progressive manner toward a grotesque film is bound to respond in a lons, there was no way for the masses to organize and control them-Although paintings began to be publicly exhibited in galleries and sahas come about is an expression of the particular conflict in which Painting simply is in no position to present an object for simulta-

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The characteristics of the film lie not only in the manner in which man presents himself to mechanical equipment but also in the manner in which, by means of this apparatus, man can represent his environment. A glance at occupational psychology illustrates the testing capacity of the equipment. Psychoanalysis illustrates it in a different perspective. The film has enriched our field of perception with methods which can be illustrated by those of Freudian theory. Fifty years ago, a slip of the tongue passed more or less unnoticed. Only exceptionally may such a slip have revealed dimensions of depth in a conversation which had seemed to be taking its course on the surface. Since the *Psychopathology of Everyday Life* things have changed. This book isolated and made

the stage. As compared with painting, filmed behavior lends itself more now also acoustical, perception the film has brought about a similar broad stream of perception. For the entire spectrum of optical, and of the situation. In comparison with the stage scene, the filmed bereadily to analysis because of its incomparably more precise statements and from more points of view than those presented on paintings or on havior items shown in a movie can be analyzed much more precisely deepening of apperception. It is only an obverse of this fact that beanalyzable things which had heretofore floated along unnoticed in the tascinating, its artistic value or its value for science. To demonstrate the tain situation, like a muscle of a body, it is difficult to say which is more tually, of a screened behavior item which is neatly brought out in a cerits tendency to promote the mutual penetration of art and science. Aclated more easily. This circumstance derives its chief importance from havior item lends itself more readily to analysis because it can be isofore usually were separated will be one of the revolutionary functions of identity of the artistic and scientific uses of photography which hereto-

era than opens to the naked eye—if only because an unconsciously rapid movements, give the effect of singularly gliding, floating, supernatural motions." ²⁵ Evidently a different nature opens itself to the camthem entirely unknown ones "which, far from looking like retarded motion not only presents familiar qualities of movement but reveals in veals entirely new structural formations of the subject. So, too, slow render more precise what in any case was visible, though unclear: it removement is extended. The enlargement of a snapshot does not simply go traveling. With the close-up, space expands; with slow motion, the midst of its far-flung ruins and debris, we calmly and adventurously world asunder by the dynamite of the tenth of a second, so that now, in us locked up hopelessly. Then came the film and burst this prisonnished rooms, our railroad stations and our factories appeared to have tion. Our taverns and our metropolitan streets, our offices and furcomprehension of the necessities which rule our lives; on the other ious guidance of the camera, the film, on the one hand, extends our we hardly know what really goes on between hand and metal, not to stride. The act of reaching for a lighter or a spoon is familiar routine, yet knows nothing of a person's posture during the fractional second of a penetrated space is substituted for a space consciously explored by hand, it manages to assure us of an immense and unexpected field of acfamiliar objects, by exploring commonplace milieus under the ingenman. Even if one has a general knowledge of the way people walk, one mention how this fluctuates with our moods. Here the camera inter-By close-ups of the things around us, by focusing on hidden details of

> and isolations, its extensions and accelerations, its enlargements and psychoanalysis to unconscious impulses. reductions. The camera introduces us to unconscious optics as does venes with the resources of its lowerings and liftings, its interruptions

which could be fully obtained only with a changed technical standard, form shows critical epochs in which a certain art form aspires to effects One of the foremost tasks of art has always been the creation of a deally arise from the nucleus of its richest historical energies. In recent which thus appear, particularly in the so-called decadent epochs, actuthat is to say, in a new art form. The extravagances and crudities of art mand which could be fully satisfied only later. ²⁶ The history of every art rial—and literary—means the effects which the public today seeks in impulse becomes discernible: dadaism attempted to create by pictoyears, such barbarisms were abundant in dadaism. It is only now that its

means to achieve this uselessness. Their poems are "word salad" convalue of their work than to its uselessness for contemplative immersion. described. The dadaists attached much less importance to the sales tions—though of course it was not conscious of such intentions as here ket values which are so characteristic of the film in favor of higher ambibeyond its goal. Dadaism did so to the extent that it sacrificed the marof the aura of their creations, which they branded as reproductions tickets. What they intended and achieved was a relentless destruction taining obscenities and every imaginable waste product of language with the very means of production. Before a painting of Arp's or a and evaluation as one would before a canvas of Derain's or a poem by poem by August Stramm it is impossible to take time for contemplation The same is true of their paintings, on which they mounted buttons and The studied degradation of their material was not the least of their quirement was foremost: to outrage the public. ment distraction by making works of art the center of scandal. One re of social conduct.²⁷ Dadaistic activities actually assured a rather veheschool for asocial behavior; it was countered by distraction as a variant Rilke. In the decline of middle-class society, contemplation became a Every fundamentally new, pioneering creation of demands will carry

work of art of the dadaists became an instrument of ballistics. It hit the spectator like a bullet, it happened to him, thus acquiring a tactile quality. It promoted a demand for the film, the distracting element of which From an alluring appearance or persuasive structure of sound the

which a film unfolds with the canvas of a painting. The painting invites which periodically assail the spectator. Let us compare the screen on is also primarily tactile, being based on changes of place and focus significance, though something of its structure, notes this circumstance sooner has his eye grasped a scene than it is already changed. It cannot the spectator to contemplation; before it the spectator can abandon be arrested. Duhamel, who detests the film and knows nothing of its himself to his associations. Before the movie frame he cannot do so. No ical shock effect out of the wrappers in which dadaism had, as it were kept it inside the moral shock effect.³⁰ which, like all shocks, should be cushioned by heightened presence of mind. ²⁹ By means of its technical structure, the film has taken the physstant, sudden change. This constitutes the shock effect of the film sociation in view of these images is indeed interrupted by their conas follows: "I can no longer think what I want to think. My thoughts have been replaced by moving images." ²⁸ The spectator's process of as-

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of art issues today in a new form. Quantity has been transmuted into cisely this superficial aspect. Among these, Duhamel has expressed himself in the most radical manner. What he objects to most is the kind spectator. Yet some people have launched spirited attacks against pre-The mass is a matrix from which all traditional behavior toward works ticipation first appeared in a disreputable form must not confuse the change in the mode of participation. The fact that the new mode of parquality. The greatly increased mass of participants has produced a of participation which the movie elicits from the masses. Duhamel calls other than the ridiculous one of someday becoming a 'star' in Los gence ... which kindles no light in the heart and awakens no hope which requires no concentration and presupposes no intelliworn-out creatures who are consumed by their worries ..., a spectacle the movie "a pastime for helots, a diversion for uneducated, wretched, spectator. That is a commonplace. The question remains whether it masses seek distraction whereas art demands concentration from the Angeles."31 Clearly, this is at bottom the same ancient lament that the sorbed by it. He enters into this work of art the way legend tells of the be stated as follows: A man who concentrates before a work of art is abprovides a platform for the analysis of the film. A closer look is needed here. Distraction and concentration form polar opposites which may distracted mass absorbs the work of art. This is most obvious with re-Chinese painter when he viewed his finished painting. In contrast, the

> a state of distraction. The laws of its reception are most instructive. a work of art the reception of which is consummated by a collectivity in gard to buildings. Architecture has always represented the prototype of

expires in Europe at the end of the Renaissance. Panel painting is a creare revived. The epic poem, which had its origin in the youth of nations, Greeks, is extinguished with them, and after centuries its "rules" only art forms have developed and perished. Tragedy begins with the comprehend the relationship of the masses to art. Buildings are approand its claim to being a living force has significance in every attempt to never been idle. Its history is more ancient than that of any other art, existence. But the human need for shelter is lasting. Architecture has ation of the Middle Ages, and nothing guarantees its uninterrupted priated in a twofold manner: by use and by perception—or rather, by side. Tactile appropriation is accomplished not so much by attention as the tactile side there is no counterpart to contemplation on the optical the attentive concentration of a tourist before a famous building. On touch and sight. Such appropriation cannot be understood in terms of appropriation. are mastered gradually by habit, under the guidance of tactile cumstances acquires canonical value. For the tasks which face the appropriation, developed with reference to architecture, in certain cirattention than by noticing the object in incidental fashion. This mode of even optical reception. The latter, too, occurs much less through rapt by habit. As regards architecture, habit determines to a large extent be solved by optical means, that is, by contemplation, alone. They human apparatus of perception at the turning points of history cannot Buildings have been man's companions since primeval times. Many

a state of distraction, which is increasing noticeably in all fields of art is able to mobilize the masses. Today it does so in the film. Reception in tasks, art will tackle the most difficult and most important ones where it apperception. Since, moreover, individuals are tempted to avoid such covert control of the extent to which new tasks have become soluble by become a matter of habit. Distraction as provided by art presents a ter certain tasks in a state of distraction proves that their solution has and is symptomatic of profound changes in apperception, finds in the mode of reception halfway. The film makes the cult value recede into film its true means of exercise. The film with its shock effect meets this critic, but also by the fact that at the movies this position requires no at the background not only by putting the public in the position of the tention. The public is an examiner, but an absent-minded one. The distracted person, too, can form habits. More, the ability to mas-

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erty. The logical result of fascism is the introduction of aesthetics into tions; fascism seeks to give them an expression while preserving propexpress themselves. 32 The masses have a right to change property relasalvation in giving these masses not their right, but instead a chance to property structure which the masses strive to eliminate. Fascism sees its to organize the newly created proletarian masses without affecting the mation of masses are two aspects of the same process. Fascism attempts paratus which is pressed into the production of ritual values. cult, forces to their knees, has its counterpart in the violation of an appolitical life. The violation of the masses, whom fascism, with its Führer The growing proletarianization of modern man and the increasing for-

war as antiaesthetic.... Accordingly we state: ... War is beautiful be-Marinetti says in his manifesto on the Ethiopian colonial war: "For that the fascist apotheosis of war does not employ such arguments. Still, follows: Only war makes it possible to mobilize all of today's technical while respecting the traditional property system. This is the political ture and a new graphic art ... may be illumined by them!" and many others.... Poets and artists of Futurism! ... remember these geometrical formation flights, the smoke spirals from burning villages, scents, and the stench of putrefaction into a symphony. War is beauticause it combines the gunfire, the cannonades, the cease-fire, the meadow with the fiery orchids of machine guns. War is beautiful bemeans of gas masks, terrifying megaphones, flame throwers, and small cause it establishes man's dominion over the subjugated machinery by twenty-seven years we Futurists have rebelled against the branding of resources while maintaining the property system. It goes without saying formula for the situation. The technological formula may be stated as War and war only can set a goal for mass movements on the largest scale principles of an aesthetics of war so that your struggle for a new literaful because it creates new architecture, like that of the big tanks, the the human body. War is beautiful because it enriches a flowering tanks. War is beautiful because it initiates the dreamt-of metalization of All efforts to render politics aesthetic culminate in one thing: war.

speed, and in the sources of energy will press for an unnatural utilizapeded by the property system, the increase in technical devices, in pears as follows: If the natural utilization of productive forces is imaccepted by dialecticians. To the latter, the aesthetics of today's war apogy as its organ, that technology has not been sufficiently developed to proof that society has not been mature enough to incorporate technoltion, and this is found in war. The destructiveness of war furnishes This manifesto has the virtue of clarity. Its formulations deserve to be

> perialistic warfare are attributable to the discrepancy between the trecope with the elemental forces of society. The horrible features of immendous means of production and their inadequate utilization in the of markets. Imperialistic war is a rebellion of technology which collects, process of production—in other words, to unemployment and the lack it drops incendiary bombs over cities; and through gas warfare the aura stream into a bed of trenches; instead of dropping seeds from airplanes, its natural material. Instead of draining rivers, society directs a human in the form of "human material," the claims to which society has denied is abolished in a new way.

expects war to supply the artistic gratification of a sense perception that truction as an aesthetic pleasure of the first order. This is the situation alienation has reached such a degree that it can experience its own descontemplation for the Olympian gods, now is one for itself. Its self-"l'art pour l'art." Mankind, which in Homer's time was an object of has been changed by technology. This is evidently the consummation of of politics which fascism is rendering aesthetic. Communism responds "Fiat ars-pereat mundus," says fascism, and, as Marinetti admits,

From Illuminations, Trans. Harry Zohn. New York: Schocken Books, 1969, pp. 217-251.

Quoted from Paul Valéry, "The Conquest of Ubiquity," Aesthetics, trans. Ralph Manheim (New York: Pantheon Books, Bollingen Series, 1964), p. 225.

2. Ibid., p. 226.

3. Of course, the history of a work of art encompasses more than this. The history of the Mona Lisa, for instance, encompasses the kind and number of its copies made in

Precisely because authenticity is not reproducible, the intensive penetration of cergrading authenticity. To develop such differentiations was an important function of tain (mechanical) processes of reproduction was instrumental in differentiating and the seventeenth, eighteenth, and nineteenth centuries. thentic." It became "authentic" only during the succeeding centuries and perhaps time of its origin a medieval picture of the Madonna could not yet be said to be "authe root of the quality of authenticity even before its late flowering. To be sure, at the the trade in works of art. The invention of the woodcut may be said to have struck at most strikingly so during the last one.

5. The poorest provincial staging of Faust is superior to a Faust film in that, ideally, it competes with the first performance at Weimar. Before the screen it is unprofitable to remember traditional contents which might come to mind before the stage—for instance, that Goethe's friend Johann Heinrich Merck is hidden in Mephisto, and

Abel Gance, "Le Temps de l'image est venu," L'Art cinématographique 2 (Paris,

7. To satisfy the human interest of the masses may mean to have one's social function removed from the field of vision. Nothing guarantees that a portraitist of today,

trayed his medical doctors as representing this profession, like Rembrandt in his picts his social function more precisely than a painter of the 17th century who porwhen painting a famous surgeon at the breakfast table in the midst of his family, de-

deed a major quality of the cult image. True to its nature, it remains "distant, how-The definition of the aura as a "unique phenomenon of a distance however close it not impair the distance which it retains in its appearance. ever close it may be." The closeness which one may gain from its subject matter does in categories of space and time perception. Distance is the opposite of closeness may be" represents nothing but the formulation of the cult value of the work of art The essentially distant object is the unapproachable one. Unapproachability is in-

9 traces of the fetishist and who, by owning the work of art, shares in its ritual power.) To be sure, never completely so; the concept of authenticity always transcends mere To the extent to which the cult value of the painting is secularized the ideas of its of the work. evaluation of art; with the secularization of art, authenticity displaces the cult value Nevertheless, the function of the concept of authenticity remains determinate in the genuineness. (This is particularly apparent in the collector who always retains some displaced by the empirical uniqueness of the creator or of his creative achievement uniqueness of the phenomena which hold sway in the cult image is more and more fundamental uniqueness lose distinctness. In the imagination of the beholder the

10. In the case of films, mechanical reproduction is not, as with literature and painting with fascism that on this setback, which was soon minimized by synchronization. at tirst: audiences became limited by language barriers. This coincided with the fasindustry. Thus, viewed from the outside, the sound film promoted national intervelopment of the sound film. The introduction of the sound film brought about a property structure by sheer force led the endangered film capital to speed up the dedisturbances which, on a larger scale, led to an attempt to maintain the existing cist emphasis on national interests. It is more important to focus on this connection that a major film, in order to pay its way, had to reach an audience of nine million. the production of a film is so expensive that an individual who, for instance, might an external condition for mass distribution. Mechanical reproduction is inherent in more than previously. ests, but seen from the inside it helped to internationalize film production ever also because it merged new capital from the electrical industry with that of the film The simultaneity of both phenomena is attributable to the Depression. The same With the sound film, to be sure, a setback in its international distribution occurred afford to buy a painting no longer can afford to buy a film. In 1927 it was calculated direct way but virtually causes mass distribution. It enforces distribution because the very technique of film production. This technique not only permits in the most temporary relief, not only because it again brought the masses into the theaters but

11. spirit speaks to man through its beauty. Worshipping, conversely, is concerned with every beautiful painting there is also something nonspiritual, merely external, but its This polarity cannot come into its own in the aesthetics of Idealism. Its idea of ship, but it could do without beautiful images. These might even be disturbing. In History: "Images were known of old. Piety at an early time required them for worclearly as possible within the limits of Idealism. We quote from his Philosophy of consequently excludes their polarity. Yet in Hegel this polarity announces itself as beauty comprises these polar opposites without differentiating between them and the work as an object, for it is but a spiritless stupor of the soul. . . . Fine art has arisen . in the church ..., although it has already gone beyond its principle as art."

Likewise, the following passage from The Philosophy of Fine Art indicates that

of a more reflective kind, and the emotions they arouse require a higher test. . . . " art as divine and objects deserving our worship. The impression they produce is one Hegel sensed a problem here. "We are beyond the stage of reverence for works of G.W.F. Hegel, The Philosophy of Fine Art, trans., with notes, by F.P.B. Osmaston, Vol. 1 (London, 1920) p. 12.

the history of artistic reception in general. Apart from that, a certain oscillation bethe Madonna originally was painted for the purpose of exhibition. Grimme's retween these two polar modes of reception can be demonstrated for each work of art. on the high altar. This regulation devalued Raphael's picture to some degree. In church of the Black Friars at Piacenza. The reason for this exile is to be found in the picture was taken advantage of. Some time later it was placed on the high altar in the green drapes. At the obsequies of Sixtus a pre-eminent exhibition value of Raphael's papal coffin in clouds from the background of the niche, which was demarcated by ported by the coffin. In this picture Raphael portrays the Madonna approaching the Raphael's picture had been fastened in a nichelike background of the chapel, suptus. The Popes lay in state in a certain side chapel of St. Peter's. On that occasion that the Madonna had been commissioned for the public lying-in-state of Pope Six further, did Raphael come to furnish the sky with two draperies? Research proved toreground of the painting which the two cupids lean upon? How, Grimme asked search was inspired by the question: What is the purpose of the molding in the Take the Sistine Madonna. Since Hubert Grimme's research it has been known that bargain the tacit toleration of the picture above the high altar. To avoid attention the order to obtain an adequate price nevertheless, the Papal See resolved to add to the Roman rites which forbid the use of paintings exhibited at obsequies as cult objects picture was given to the monks of the far-off provincial town. The transition from the first kind of artistic reception to the second characterizes

12. Bertolt Brecht, on a different level, engaged in analogous reflections: "If the concept of 'work of art' can no longer be applied to the thing that emerges once the work is cept be taken up again—and it will, why not?—it will no longer stir any memory of change it fundamentally and erase its past to such an extent that should the old congo through this phase without mental reservation, and not as noncommittal deviabut without fear, lest we liquidate the function of the very thing as well. For it has to transformed into a commodity, we have to eliminate this concept with cautious care tion from the straight path; rather, what happens here with the work of art will

the thing it once designated."

Abel Gance, "Le Temps de l'image est venu," pp. 100-101

Alexandre Armoux, Cinéma pris (1929), p. 28. Séverin-Mars, quoted by Abel Gance, ibid., p. 100

Franz Werfel, "Ein Sommernachstraum, Ein Film von Shakespeare und Reinhardt," Neues Weiner Journal, cited in Lu 15 (November 1935).

17. actions.... Character is never used as a source of motivation; the inner life of the "The film ... provides—or could provide—useful insight into the details of human responds to the extraordinary expansion of the field of the testable brought about the field of the testable which mechanical equipment brings about for the actor corpersons never supplies the principal cause of the plot and seldom is its main result." mances of the individual. The film shot and the vocational aptitude test are taken become constantly more important. What matters in these tests are segmental perforfor the individual through economic conditions. Thus, vocational aptitude tests be fore a committee of experts. The camera director in the studio occupies a place (Bertolt Brecht, "Der Dreigroschenprozess," Versuche, p. 268.) The expansion of identical with that of the examiner during aptitude tests.

18. Luigi Pirandello, Si Gira, quoted by Léon Pierre-Quint, "Signification du cinéma,"

L'Art cinématographique 2 (Paris, 1927), pp. 14-15.

19. Rudolf Arnheim, Film als Kunst (Berlin, 1932), pp. 176ff. In this context certain seemingly unimportant details in which the film director deviates from stage pracstage property, this latter, on the other hand, frequently functions as actor. At least it sembled that for stage properties that are hard to come by. Dreyer made every effort clock. From this more than from many other touches it may clearly be recognized highly revealing that the film can, whenever appropriate, use time as measured by a tronomical time would clash with theatrical time. Under these circumstances it is it cannot be permitted its function of measuring time. Even in a naturalistic play, asvincing one. A clock that is working will always be a disturbance on the stage. There at random from a great wealth of examples, let us concentrate on a particularly conis not unusual for the film to assign a role to the stage property. Instead of choosing to avoid resemblances of age, build, and physiognomy. If the actor thus becomes a forty actors who constitute the Inquisitors' tribunal. The search for these actors remade among others by Dreyer in his Jeanne d'Arc. Dreyer spent months seeking the tices gain in interest. Such is the attempt to let the actor play without make-up, as one of the strongest methods of cinematic construction." (W. Pudovkin, Filmregie tant functions. From here it is but one step to Pudovkin's statement that "the playthat under certain circumstances each and every prop in a film may assume impordemonstrating how matter plays tricks on man. Hence, films can be an excellent ing of an actor which is connected with an object and is built around it . . . is always means of materialistic representation. und Filmmanuskript (Berlin, 1928), p. 126). The film is the first art form capable of

20. The change noted here in the method of exhibition caused by mechanical reproduction applies to politics as well. The present crisis of the bourgeois democracies comnation's representatives. Parliament is his public. Since the innovations of camera prise a crisis of the conditions which determine the public presentation of the rulers actor but likewise the function of those who also exhibit themselves before this theaters, are deserted. Radio and film not only affect the function of the professional fore camera and recording equipment becomes paramount. Parliaments, as much as ble to an unlimited number of persons, the presentation of the man of politics beand recording equipment make it possible for the orator to become audible and visi Democracies exhibit a member of government directly and personally before the trollable and transferrable skills under certain social conditions. This results in a change affects equally the actor and the ruler. The trend is toward establishing conmechanical equipment, those who govern. Though their tasks may be different, the new selection, a selection before the equipment from which the star and the dictator

21. emerge victorious.

rotary press have made possible the indefinite multiplication of writing and pic-The privileged character of the respective techniques is lost. Aldous Huxley writes: epoch and in all countries, most art has been bad. But the proportion of trash in the lic who know how to read and can afford to buy reading and pictorial matter. A tures. Universal education and relatively high wages have created an enormous pub-"Advances in technology have led . . . to vulgarity . . . Process reproduction and the presumably be 2n men of talent among 2x millions. The situation may be summed matter has increased, I should imagine, at least twenty and possibly fifty or even a matter of simple arithmetic. The population of Western Europe has a little more total artistic output is greater now than at any other period. That it must be so is a Now, artistic talent is a very rare phenomenon; whence it follows . . . that, at every great industry has been called into existence in order to supply these commodities hundred times. If there were n men of talent in a population of x millions, there will than doubled during the last century. But the amount of reading-and seeing-

> matter, seeing-matter, and hearing-matter." - Aldous Huxley, Beyond the Mexique as the world continues to consume the present inordinate quantities of reading-Bay. A Traveller's Journal (London, 1949), pp. 274 ff. First published in 1934. tively greater than it was in the past; and that it must remain greater for just so long or even four men of talent to every one of earlier times. It still remains true to say that are now enabled to realize themselves. Let us assume, then, that there are now three living, there are now only two men of talent. It may be of course that, thanks to uniperhaps even a hundred pages are published today. But for every man of talent then up thus. For every page of print and pictures published a century ago, twenty or follows from all this that in all the arts the output of trash is both absolutely and relaconsume an amount of hearing-matter that has increased out of all proportion to the production of gifted writers and draughtsmen. It is the same with hearing-matter versal education, many potential talents which in the past would have been stillborn increase of population and the consequent natural increase of talented musicians. It Prosperity, the gramophone and the radio have created an audience of hearers who the consumption of reading—and seeing—matter has far outstripped the natural

This mode of observation is obviously not progressive.

22. The boldness of the cameraman is indeed comparable to that of the surgeon. Luc to the acrobatic tricks of larynx surgery which have to be performed following the oto-rhino-laryngology; . . . the so-called endonasal perspective procedure; or I refer surgery in the case of certain difficult operations. I choose as an example a case from of steel with nearly fluid tissue, or of the major abdominal operations (laparotomy) We have only to think of the couching of a cataract where there is virtually a debate lar acrobatics is required from the man who wants to repair or save the human body! suggests the precision work of watchmakers. What range of the most subtle muscureversed picture in the laryngoscope. I might also speak of ear surgery which Durtain lists among specific technical sleights of hand those "which are required in

23. This mode of observation may seem crude, but as the great theoretician Leonardo consumed in the very act of its birth is inferior to painting which the use of varnish like unfortunate music, it does not have to die as soon as it is born.... Music which is compares painting and music as follows: "Painting is superior to music because, unhas shown, crude modes of observation may at times be usefully adduced. Leonardo

has rendered eternal." (Trattato I, 29.)

24. Renaissance painting offers a revealing analogy to this situation. The incomparable edge, and he did not even shrink from a theoretical analysis which to us is stunning knowledge? Leonardo was convinced that painting demanded universal knowlogy. Valery writes: "What could be further from us than the strange claim of a made use of anatomy and perspective, of mathematics, meteorology, and chromatol development of this art and its significance rested not least on the integration of a because of its very depth and precision..." —Paul Valéry, "Autour de Corot number of new sciences, or at least of new scientific data. Renaissance painting Pièces sur l'art (Paris), p. 191. Leonardo to whom painting was a supreme goal and the ultimate demonstration of

Rudolf Arnheim, Film als Kunst, p. 138.

were the slot machines in bazaars; their picture sequences were produced by the the reflexes of the future." Indeed, every developed art form intersects three lines of "The work of art," says André Breton, "is valuable only in so far as it is vibrated by turning of a crank the film there were photo booklets with pictures which flitted by the onlooker upon development. Technology works toward a certain form of art. Before the advent of pressure of the thumb, thus portraying a boxing bout or a tennis match. Then there

reaction which Chaplin later evoked in a more natural way.

which will benefit the new art form. Before the movie had begun to create its public, stereoscopes were mounted, one to each beholder. By a mechanical process indicalled Kaiserpanorama. Here the public assembled before a screen into which pictures that were no longer immobile captivated an assembled audience in the sovidual pictures appeared briefly before the stereoscopes, then made way for others. Incidentally, the institution of the Kaiserpanorama shows very clearly a dialectic of which stared into the apparatus in which the succession of pictures was reeling off film screen and projection were known. This strip was presented to a small public Edison still had to use similar devices in presenting the first movie strip before the cient priest beholding the statue of a divinity in the cella. collective one, the individual viewing of pictures in these swiftly outmoded estab the development. Shortly before the movie turned the reception of pictures into a lishments came into play once more with an intensity comparable to that of the an-Thirdly, unspectacular social changes often promote a change in receptivity

27. The theological archetype of this contemplation is the awareness of being alone with one's God. Such awareness, in the heyday of the bourgeoisie, went to strengthen the awareness had to take into account the hidden tendency to withdraw from public affreedom to shake off clerical tutelage. During the decline of the bourgeoisie this fairs those forces which the individual draws upon in his communion with God

Georges Duhamel, Scènes de la vie future (Paris, 1930), p. 52.

28 modern man has to face. Man's need to expose himself to shock effects is his adjust-The film is the art form that is in keeping with the increased threat to his life which by the man in the street in big-city traffic, on a historical scale by every present-day ment to the dangers threatening him. The film corresponds to profound changes in the apperceptive apparatus—changes that are experienced on an individual scale

30. As for dadaism, insights important for cubism and futurism are to be gained from reality by the apparatus. In contrast to the film, these schools did not try to use the the movie. Both appear as deficient attempts of art to accommodate the pervasion of that this apparatus will be structurally based on optics plays a dominant part; in alloy in the joint presentation of reality and apparatus. In cubism, the premonition apparatus as such for the artistic presentation of reality, but aimed at some sort of by the rapid sequence of the film strip. futurism, it is the premonition of the effects of this apparatus which are brought out

31. Duhamel, Scènes de la vie future, p. 58.

One technical feature is significant here, especially with regard to newsreels, the in sports events, and in war, all of which nowadays are captured by camera and propagandist importance of which can hardly be overestimated. Mass reproduction ment of the techniques of reproduction and photography. Mass movements are usuwhose significance need not be stressed, is intimately connected with the developsound recording, the masses are brought face to face with themselves. This process is aided especially by the reproduction of masses. In big parades and monster rallies including war, constitute a form of human behavior which particularly favors cannot be enlarged the way a negative is enlarged. This means that mass movements as accessible to the human eye as it is to the camera, the image received by the eye captures gatherings of hundreds of thousands. And even though such a view may be ally discerned more clearly by a camera than by the naked eye. A bird's-eye view best mechanical equipment.

The Radio as an Apparatus of Communication

Bertolt Brecht

been lost, what he is supposed to be doing in the world. as a man will begin asking at a certain age, when his first innocence has born will have to start looking retrospectively for an object in life. Just so then this stripling who needed no certificate of competence to be patient's period of halcyon youth. I am not sure if it is finished yet, but if certs, lectures, café music, local newspapers, and so forth. This was the its first phase of being a substitute: a substitute for theater, opera, consociety was not yet advanced enough to accept it. The radio was then in ment when technology was advanced enough to produce the radio and words discoveries that have not been called for. Thus there was a mo-Lhave to conquer their market and justify their existence; in other N OUR SOCIETY one can invent and perfect discoveries that still

suppliers. Any attempt by the radio to give a truly public character to public occasions is a step in the right direction. should step out of the supply business and organize its listeners as of pipes. That is to say, it would be if it knew how to receive as well as to into a relationship instead of isolating him. On this principle the radio transmit, how to let the listener speak as well as hear, how to bring him finest possible communication apparatus in public life, a vast network tus over from distribution to communication. The radio would be the mere sharing out. So here is a positive suggestion: change this apparawhen it should be two-. It is purely an apparatus for distribution, for But quite apart from the dubiousness of its functions, radio is one-sided tifying public life. Nor is radio in my view an adequate means of bring ing back coziness to the home and making family life bearable again As for the radio's object, I don't think it can consist merely in pret-

Whatever the radio sets out to do it must strive to combat that lack of