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A NOTE ON SCIENCE AND DEMOCRACY

by ROBERT K. MERTON

remote, has now been forced upon the attention of scientist and layman culture in science was unbounded, unquestioned, unrivalled. The revolt not immune from attack, restraint and repression. Writing a scant commanding place in the scheme of things, it is evident that science is subject to shifting fortunes. Difficult as the very notion may appear alike. Local contagions of anti-intellectualism threaten to become the timid academician who would ponder all contingencies, however thirty-five years ago, Veblen could observe that the faith of western to those reared in a culture which grants science a prominent if not a from science which then appeared so improbable as to concern only SCIENCE, as any other activity involving social collaboration, is

attack must reexamine its foundations, restate its objectives, seek out its are devoted to the relations of science and society. An institution under structure. Manifestos and pronouncements by associations of scientists scientists to recognize their dependence on particular types of social and diffusion of knowledge' had risen to a leading place if indeed not into a state of acute self-consciousness: consciousness of self as an inrationale. Crisis invites self-appraisal. Now that they have been conends of economic utility and glorification of God. The pursuit of A tower of ivory becomes untenable when its walls are under assault. tegral element of society with corresponding obligations and interests fronted with challenges to their way of life, scientists have been jarred science was then no self-evident value. With the unending flow of independent warrant for social support, natural philosophers were circle to the point of the re-emergence of science in the modern world to vindicate the ways of science to man. Thus they have come full the first rank in the scale of cultural values, scientists are compelled After a prolonged period of relative security, during which the 'pursuit achievement, however, the instrumental was transformed into the terlikewise led to justify science as a means to the culturally validated Three centuries ago, when the institution of science could claim little Incipient and actual attacks upon the integrity of science have led

minal, the means into the end. Thus fortified, the scientist came to regard himself as independent of society and science as a self-validating enterprise which was in society but not of it. A frontal assault on the autonomy of science was required to convert this sanguine isolationism into realistic participation in the revolutionary conflict of cultures. The joining of the issue has led to a clarification and reaffirmation of the ethos of modern science.

science. This is not an adventure in polymathy. except as these are pertinent to standardized social sentiments toward with the substantive findings of science ('hypotheses, uniformities, laws'), science, not an excursion in methodology. Similarly, we shall not deal are often technical expedients and moral compulsives, but it is solely with which they are hedged about. To be sure, methodological canons tion. Thus, we shall consider, not the methods of science, but the mores ture of science, that is, with one limited aspect of science as an instituthe latter which is our concern. This is an essay in the sociology of activities termed scientific; or (4) any combination of the foregoing. of these methods; (3) a set of cultural values and mores governing the We are here concerned in a preliminary fashion with the cultural strucset of characteristic methods by means of which knowledge is certified; distinct though interrelated items. It is commonly used to denote (1) a (2) a stock of accumulated knowledge stemming from the application Science is a deceptively inclusive word which refers to a variety of

The ethos of science is that affectively toned complex of values and norms which is held to be binding on the man of science.¹ The norms are expressed in the form of prescriptions, proscriptions and permissions. These are legitimatized in terms of institutional values. These imperatives, transmitted by precept and example and reenforced by sanctions, are in varying degrees internalized by the scientist, thus fashioning his 'scientific conscience' or, if one prefers the latter-day phrase, his superego. Although the ethos of science has not been codified,² it can be inferred from the moral consensus of scientists as ex-

¹On the concept of ethos, see W. G. Sumner, Folkways (Boston, 1906), 36 ff.; Hans Speier, "The Social Determination of Ideas," Social Research, 1938 5, 196 ff.; Max Scheler, Schriften aus dem Nachlass (Berlin, 1933) I, 225-62. For an initial examination of the ethos of science, see R. K. Merton, "Science and the Social Order," Philosophy of Science, 1938, 5, 321-37. Albert Bayet, in his book on the subject, soon abandons description and analysis for homily; see his La morale de la science, (Paris, 1931).

² As Bayet remarks: "Cette morale [de la science] n'a pas eu ses théoriciens, mais elle a eu ses artisans. Elle n'a pas exprimé son idéal, mais elle l'a servi: il est impliqué dans l'existence même de la science." Op. cit., 43.

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pressed in use and wont, in countless writings on 'the scientific spirit' and in moral indignation directed toward contraventions of the ethos.

some basis for the provisional assumption that science is afforded opvelops in various social structures, to be sure, but which provide an inratio of scientific achievement to scientific potentialities. Science deof science and social structure. There is the further question of the tuted by Peter the Great (to refute the view that Russians are barurged into acquiescence by Leibniz, Frederick I endowed the Berlin under the auspices of Louis XIV, on the advice of Colbert; that Greenwich Observatory; that the Académie des Sciences was founded charter to the Royal Society of London and his sponsorship of the that Charles II claims historical attention chiefly for his grant of a member that the Accademia del Cimento was sponsored by two Medicis; provided some measure of support to science. We have only to reis confined to democracies.3 The most diverse social structures have with the ethos of science. This is not to say that the pursuit of science portunity for development in a democratic order which is integrated the needed comparative materials are few and scattered, they provide tutional structure of science. Although detailed monographs assembling introduction to a larger problem: the comparative study of the instistitutional context for the fullest measure of development? barians). But such historical facts do not imply a random association Academy, and that the St. Petersburg Academy of Sciences was insti-An examination of the ethos of modern science is but a limited

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The institutional goal of science is the extension of certified knowledge. The technical methods employed toward this end provide the relevant definition of knowledge: empirically confirmed and logically consistent predictions. The institutional imperatives (mores) derive from the goal and the methods. The entire structure of technical and moral

³ De Tocqueville went further: "The future will prove whether these passions [for science], at once so rare and so productive, come into being and into growth as easily in the midst of democratic as in aristocratic communities. For myself, I confess that I am slow to believe it." Democraty in America (New York, 1898) II, 51. See another reading of the evidence: "It is impossible to establish a simple causal relationship between democracy and science and to state that democratic society alone can furnish the soil suited for the development of science. It cannot be a mere coincidence, however, that science actually has flourished in democratic periods." Henry E. Sigerist, "Science and Democracy," Science and Society, 1938, 2, 291.

evidence, adequate, valid and reliable, is a prerequisite for sustained norms implements the final objective. The technical norm of empirical are moral, not technical, prescriptions. cedurally efficient, but because they are believed right and good. They methodologic rationale but they are binding, not because they are protrue prediction; the technical norm of logical consistency, a prerequisite for systematic and valid prediction. The mores of science possess a

disinterestedness, organized scepticism-comprise the ethos of modern Four sets of institutional imperatives—universalism, communism,

of every new technical advance. The imperative of universalism is American the final increment, some aliens are accessories before the fact tists from historical textbooks but their formulations remain indispensable of gravitation. The chauvinist may expunge the names of alien scienidated by a Nuremberg decree nor can an Anglophobe repeal the law rooted deep in the impersonal character of science. to science and technology. However (recht-deutsch or hundred-per-cent particularistic criteria of validity. The Haber process cannot be invalobjective sequences and correlations militates against all efforts to impose personal qualities are as such irrelevant.4 Objectivity precludes particuattributes of their protagonist; his race, nationality, religion, class and entering the lists of science is not to depend on the personal or social previously confirmed knowledge. The acceptance or rejection of claims preestablished impersonal criteria: consonance with observation and with canon that truth-claims, whatever their source, are to be subjected to larism. The circumstance that scientifically verified formulations refer to Universalism. Universalism finds immediate expression in the

of ethnocentric particularism. The structure of the situation in which is subjected to the conflicting imperatives of scientific universalism and situation is such as to emphasize national loyalties, the man of science in times of international conflict, when the dominant definition of the strain. Ethnocentrism is not compatible with universalism. Particularly culture opposes universalism, the ethos of science is subjected to serious structure with which it is not always integrated. However, the institution of science is but part of a larger social When the larger

national boundaries and races and creeds," see the resolution of the Council of the American Association for the Advancement of Science, Science, 1938, 87, 10; Nature, 1938, 141, 169. "The Advancement of Science and Society: Proposed World Association," *For an expression of the belief that "science is wholly independent of

temning their violation, the mores are reaffirmed. it is redefined as a virtue, patriotism. Thus by the very process of conof the standard of universalism; within another institutional context, norm. For 'nationalistic bias' is opprobrious only if judged in terms the norm of universalism actually presupposed the legitimacy of the competence and lack of creative capacity.5 Yet this very deviation from tions, charging nationalistic bias, logrolling, intellectual dishonesty, ingarb of scientists. Dispassionate scientists impugned 'enemy' contribu-German, French, and English men arrayed their political selves in the among them, Baeyer, Brentano, Ehrlich, Haber, Eduard Meyer, Ostwald, accordingly. (Pasteur: "Le savant a une patrie, la science n'en a pas.") The man of science may be converted into a man of war-and act he finds himself determines the social role which is called into play Planck, Schmoller and Wassermann-unloosed a polemic in which Thus, in 1914 the manifesto of 93 German scientists and scholars-

to the universalistic standard in more direct terms. The international Denial of the norm was conceived as a breach of faith. impersonal, virtually anonymous character of science was reaffirmed.6 Even under counter pressure, scientists of all nationalities adhered

pursuits is a functional imperative. Expediency and morality coincide. is to prejudice the furtherance of knowledge. Free access to scientific open to talents. The rationale is provided by the institutional goal reprove the Royal Society for their would-be exclusion of John Graunt, Hence the anomaly of a Charles II invoking the mores of science to To restrict scientific careers on grounds other than lack of competence the political arithmetician, and his instructions that "if they found any Universalism finds further expression in the demand that careers be

example, discovers that both Ehrlich and Weissmann have perpetrated typically into the post-war period; see Karl Kherkhof, Der Krieg gegen die Deutsche Wissen. Pierre Duhem concludes that the 'geometric spirit' of German science stifled the Maurice Leudet, Les allemands et la science, (Paris, 1916). Félix Le Dantec, for Krieg der Geister (Weimar, 1915) is a spirited counterpart. The conflict persisted 'spirit of finesse': La science allemande (Paris, 1915). Hermann Kellermann, Der German frauds upon the world of science ("Le bluff de la science allemande"). schaft (Halle, 1922). ⁵ For an instructive collection of such documents, see Gabriel Petrit and

ou française, c'est énoncer une proposition contradictoire à l'idée même de science." japonaise pas plus qu'une vérité française. Et parler de science allemande, anglaise ⁶ See the profession of faith by Professor E. Gley (in Pettit and Leudet, op. cit., 181: ". . . il ne peut y avoir une vérité allemande, anglaise, intalienne ou See also the affirmations of Grasset and Richet, ibid.

ly affirmed in theory and suppressed in practice. lip-service to this value in the realm of science. Universalism is deviouswhich abjures universalistic standards in general feel constrained to pay ence as enemies of the state or church.8 Thus, the exponents of a culture for exclusion are sought in the extra-scientific capacity of men of sciis opposed to the dogmal, formal science of the non-Aryan.7 Or, grounds achievement. Hence the ideology is rounded out by a conception of as an insufficient basis for denying outcastes all claims to scientific our own time, were almost exclusively Aryans, predominantly of the Nordic race." The modifying phrase, 'almost exclusively', is recognized great discoverers from Galileo and Newton to the physical pioneers of ently incapable of scientific work, or, at the very least, their contribu-'good' and 'bad' science: the realistic, pragmatic science of the Aryan history of science that the founders of research in physics, and the tions must be systematically devaluated. "It can be adduced from the stitutional goal of science. Caste-inferiors must be shown to be inhercalled forth to obscure the incompatibility of castermores and the intheir ranks to those of inferior status, irrespective of capacity or achieveof the larger society. Scientists may assimilate caste standards and close Here again the ethos of science may not be consistent with that But this provokes an unstable situation. Elaborate ideologies are

However inadequately it may be put into practice, the ethos of democracy includes universalism as a dominant guiding principle. Democratization is tantamount to the progressive elimination of restraints upon the exercise and development of socially valued capacities. Impersonal criteria of accomplishment and not fixation of status characterize the democratic society. Insofar as such restraints do persist, they are viewed as obstacles in the path of full democratization. Thus,

⁷ Johannes Stark, Nature, 1938, 141, 772; "Philipp Lenard als deutscher Naturforscher," Nationalrozialistische Monatshefte, 1936, 7, 106-112. This bears comparison with Duhem's contrast between 'German' and 'French' science.

8 "Wir haben sie ['marxistischen Leugner'] nicht entfernt als Vertreter der Wissenschaft, sondern als Parteigaenger einer politischen Lehre, die den Umstura entschlossener zugreifen, als ihnen die herrschende Ideologie einer wertfreien und ihrer Placne zu sein schien. Nicht wir haben uns an der Wuerde der freien Wissenschaft vergangen . . ." Bernhard Rust, Das nationalsozialistische Deutschland und die Wissenschaft (Hamburg, 1936), 13.

insofar as a laissez-faire democracy permits the accumulation of differential advantages for certain segments of the population, differentials which are not bound up with demonstrated differences in capacity, the democratic process leads to increasing regulation by political authority. Under changing conditions, new technical forms of organization must be introduced to preserve and extend equality of opportunity. The political apparatus designed to put democratic values into practice may thus vary, but universalistic standards are maintained. To the extent that a society is democratic, it provides scope for the exercise of universalistic criteria in science.

Communism. 'Communism', in the non-technical and extended sense of common ownership of goods, is a second integral element of the scientific ethos. The substantive findings of science are a product of social collaboration and are assigned to the community. They constitute a common heritage in which the equity of the individual producer is severely limited. An eponymous law or theory does not enter into the exclusive possession of the discoverer and his heirs, nor do the mores bestow upon them special rights of use and disposition. 'Property' rights in science are whittled down to a bare minimum by the rationale of the scientific ethic. The scientist's claim to 'his' intellectual 'property' is limited to that of recognition and esteem which, if the institution functions with a modicum of efficiency, is roughly commensurate with the significance of the increments brought to the common fund of knowledge. Eponymy—e.g. the Copernican system, Boyle's law—is thus at once a mnemonic and a commemorative device.

Given such institutional emphasis upon recognition and esteem as the sole property right of the scientist in his discoveries, the concern with scientific priority becomes a 'normal' response. Those controversies over priority which punctuate the history of modern science are generated by the institutional accent on originality.9 There issues a competi-

⁹ Newton spoke from hard-won experience when he remarked that "[natural] philosophy is such an impertinently litigious Lady, that a man had as good be engaged in lawsuits, as have to do with her." Robert Hooke, a socially mobile individual whose rise in status rested solely on his scientific achievements, was notably 'litigious'.

tive cooperation. The products of competition are communized, 10 and esteem accrues to the producer. Nations take up claims to priority, and fresh entries into the commonwealth of science are tagged with the names of nationals: witness the controversy raging over the rival claims of Newton and Leibniz to the differential calculus. But all this does not challenge the status of scientific knowledge as common property.

The institutional conception of science as part of the public domain is linked with the imperative for communication of findings. Secrecy is the antithesis of this norm; full and open communication its enactment.¹¹ The pressure for diffusion of results is reenforced by the institutional goal of 'advancing the boundaries of knowledge' and by the incentive of recognition which is, of course, contingent upon publication. A scientist who does not communicate his important discoveries to the scientific fraternity—thus, a Henry Cavendish—becomes the target for ambivalent responses. He is esteemed for his talent and, perhaps, for his modesty. But, institutionally considered, his 'modesty' is seriously misplaced, in view of the moral compulsive for 'sharing the wealth' of science. Layman though he is, Aldous Huxley's comment on Cavendish is illuminating in this connection: "Our admiration of his genius is tempered by a certain disapproval; we feel that such a man is selfish and anti-social." The epithets are particularly instructive for they imply the violation of

a profession such as medicine accepts scientific knowledge as common property. See R. H. Shryock, "Freedom and Interference in Medicine," The Annals, 1938, 200, 45. "... the medical profession... has usually frowned upon patents taken out by medical men.... The regular profession has... maintained this stand against private monopolies ever since the advent of patent law in the seventeenth century." There arises an ambiguous situation in which the socialization of medical practice is rejected in circles where the socialization of knowledge goes unchallenged.

"Cf. Bernal, who observes: "The growth of modern science coincided with a definite rejection of the ideal of secrecy." Bernal quotes a remarkable passage from Réaumur (L'Art de convertir le forgé en acier) in which the moral compulsion for publishing one's researches is explicitly related to other elements in the ethos of science. E.g., "... il y eût gens qui trouvèrent étrange que j'eusse publié des secrets, qui ne devoient pas etre revelés ... est-il bien sûr que nous découvertes soient si fort à nous que le Public n'y ait pas droit, qu'elles ne lui appartiennent pas en quelque sorte? ... resterait il bien des circonstances, où nous soions absolument Maîtres de nos découvertes? ... Nous nous devons pretravaillent pour perfectionner les Sciences et les Arts, doivent même se regarder commes les citoyens du monde entier." J. D. Bernal, The Social Function of Science (New York, 1939), 150-51.

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a definite institutional imperative. Even though it serves no ulterior motive, the 'suppression' of scientific discovery is condemned.

The communal character of science is further reflected in the recognition by scientists of their dependence upon a cultural heritage to which they lay no differential claims. Newton's remark—"If I have seen farther it is by standing on the shoulders of giants"—expresses at once a sense of indebtedness to the common heritage and a recognition of the essentially cooperative and cumulative quality of scientific achievement.¹² The humility of scientific genius is not simply culturally appropriate but results from the realization that scientific advance involves the collaboration of past and present generations. It was Carlyle, not Maxwell, who indulged in a mythopoeic conception of history.

The communism of the scientific ethos is incompatible with the definition of technology as 'private property' in a capitalistic economy. Current writings on the 'frustration of science' reflect this conflict. Patents proclaim exclusive rights of use and, often, nonuse. The suppression of invention denies the rationale of scientific production and diffusion, as may be seen from the court's decision in the case of U.S. v. American Bell Telephone Co.: "The inventor is one who has discovered something of value. It is his absolute property. He may withhold the knowledge of it from the public..." Responses to this conflict situation have varied. As a defensive measure, some scientists have come to patent their work to ensure its being made available for public use. Einstein, Millikan, Compton, Langmuir have taken out patents. Scientists have been urged to become promoters of new economic enterprises. Others seek to resolve the conflict by advocating socialism. These proposals—both those which demand a 'change in the system to let science

¹² It is of some interest that Newton's aphorism is a standardized phrase, which had found repeated expression from at least the twelfth century. It would appear that the dependence of discovery and invention on the existing cultural base had been noted some time before the formulations of modern sociologists. See *Lits*, 1935, 24, 107-9; 1938, 25, 451-2.

¹⁸ 167 U.S. 224 (1897), cited by B. J. Stern, "Restraints upon the Utilization of Inventions," *The Annals*, 1938, 200, 21. For an extended discussion, cf. Stern's further studies cited therein; also Walton Hamilton, *Patents and Free Enterprise* (Temporary National Economic Committee Monograph No. 31, 1941).

¹⁴ Hamilton, op. cit., 154; J. Robin, L'oeuvre scientisique, sa protection juridique, Paris, 1928.

15 Vannevar Bush, "Trends in Engineering Research," Sigma Xi Quarterly, 1934, 22, 49.

16 Bernal, op. cit., 155 ff.

get on with its job -- reflect discrepancies in the conception of intellectual property.

Disinterestedness. Science, as is the case with the professions in general, includes disinterestedness as a basic institutional element. Disinterestedness is not to be equated with altruism nor interested action with egoism. Such equivalences confuse institutional and motivational levels of analysis. A passion for knowledge, idle curiosity, altruistic concern with the benefit of humanity and a host of other special motives have been attributed to the scientist. The quest for distinctive motives appears to have been misdirected. It is rather a distinctive pattern of institutional control of a wide range of motives which characterizes the behavior of scientists. For once the institution enjoins disinterested activity, it is to the interest of scientists to conform on pain of sanctions and, insofar as the norm has been internalized, or psychological conflict.

find scant opportunity for expression in the field of scientific research. ment, and under competitive conditions there may well be generated which is intensified by the emphasis on priority as a criterion of achieveof science. There is competition in the realm of science, competition circumstance, it may be supposed, has contributed to the integrity of men scientists are subject to rigorous policing, to a degree perhaps unparal-Cultism, informal cliques, prolific but trivial publications—these and incentives for eclipsing rivals by illicit means. But such impulses can has a firm basis in the public and testable character of science and this the observation can be interpreted as lese majesty-the activities of the exacting scrutiny of fellow/experts. Otherwise put-and doubtless Involving as it does the verifiability of results, scientific research is under leled in any other field of activity. The demand for disinterestedness tion may be found in certain distinctive characteristics of science itself. no satisfactory evidence that such is the case; a more plausible explanawho exhibit an unusual degree of moral integrity. There is, in fact, tists. By implication, scientists are recruited from the ranks of those activity, has at times been attributed to the 'personal qualities' of scienpears exceptional when compared with the record of other spheres of The virtual absence of fraud in the annals of science, which ap-

17 Talcott Parsons, "The Professions and Social Structure," Social Porces, 1939, 17, 458-9; cf. George Sarton, The History of Science and the New Humanism (New York, 1931), 130 ff. The distinction between institutional compulsives and motives is of course a key conception of Marxist sociology.

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other techniques may be used for self-aggrandizement. But, in general, spurious claims appear to be negligible and ineffective. The translation of the norm of disinterestedness into practice is effectively supported by the ultimate accountability of scientists to their competers. The dictates of socialized sentiment and of expediency largely coincide, a situation conducive to institutional stability.

In this connection, the pursuit of science differs somewhat from other professions. The scientist does not stand vis à vis a lay clientele in the same fashion as do the physician and lawyer, for example. The possibility of exploiting the credulity, ignorance and dependence of the layman is thus considerably reduced. Fraud, chicane and irresponsible claims (quackery) are even less likely than among the 'service' professions. To the extent that the scientist-layman relation does become paramount, there develop incentives for evading the mores of science. The abuse of expert authority and the creation of pseudo-sciences are called into play when the structure of control exercised by qualified compeers is rendered ineffectual.¹⁹

status in the estimate of the layman is in no small measure due to stows prestige on the unscientific doctrine.20 scientific theories, since they are closer to commonsense experience and claims to such authority. The presumably scientific pronouncements of because the laity is in no position to distinguish spurious from genuine authority can be and is appropriated for interested purposes, precisely integrity of the scientist. Science realizes its claims. However, its technological achievements. Every new technology bears witness to the in apparently scientific terms. The borrowed authority of science bethe population at large becomes susceptible to new mysticisms expressed are certainly more comprehensible to the general public than accredited common sense. If anything, the myths will seem more plausible and by the man in the street and in both instances, they may run counter to universe or wave mechanics. In both instances, they cannot be checked structed laity of the same order as newspaper reports of an expanding totalitarian spokesmen on race or economy or history are for the uninto cultural bias. Partly as a result of scientific achievements, therefore It is probable that the reputability of science and its lofty ethical

¹⁸ See the account by Logan Wilson, The Academic Man (New York, 1942).
201 ff.

19 Cf. R. A. Brady, The Spirit and Structure of German Pascism (New York, 1937), Chapter II.

20 Merton, op. cit., 333.

Note on Science and Democracy

scientific investigator does not conduct himself in the prescribed fashion. of political convictions or religious doctrines or economic claims, the sistant to 'profane' examination. But whether it be the sacred sphere symbols and values demand attitudes of loyalty, adherence and respect and an institutional mandate. The suspension of judgment until 'the with the other elements of the scientific ethos. It is both a methodologic Meinung ist.") objectively analyzed. ("Ein Professor ist ein Mensch der anderer between that which requires uncritical respect and that which can be He does not preserve the cleavage between the sacred and the profane, been crystallized and often ritualized by other institutions. Institutional into conflict with other attitudes toward these same data which have potentialities, concerning every aspect of nature and society may come with other institutions. Science which asks questons of fact, including pirical and logical criteria have periodically involved science in conflict Every institution involves, in this sense, a 'sacred area,' which is refacts are at hand' and the detached scrutiny of beliefs in terms of em-Organized scepticism. Organized scepticism is variously interrelated

This appears to be the source of revolts against the so-called intrusion of science into other spheres. Such resistance on the part of organized religion has become less significant as compared with that of economic and political groups. The opposition may exist quite apart from the introduction of specific scientific discoveries which appear to invalidate particular dogmas of church, economy or state. It is rather a diffuse, frequently vague, apprehension that scepticism threatens the current distribution of power. Conflict becomes accentuated whenever science extends its research to new areas toward which there are institutionalized attitudes or whenever other institutions extend their area of control. In modern totalitarian society, anti-rationalism and the centralization of institutional control both serve to limit the scope provided for scientific activity.

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POLITICAL AMBIVALENCE IN LATIN AMERICA

by Kingsley Davis

Every political system attempts to solve an essentially insoluble and perennial problem—namely, how to guarantee that those who represent the group, who protect it and enforce its laws, will use their power for common rather than private ends. Democracy cannot lay sole claim to having seen or tackled this problem, but simply to having offered one type of solution. Whereas autocracy utilizes the sentimental acceptance of a social hierarchy to fuse the common and private ends of the rulers, democracy distinguishes and attempts to insulate these ends one from the other. The former regards the rulers as a special class whose every act carries a superior authorization, while the latter regards them as private citizens whose special function, for the time being, is governmental. Which form is "right" depends upon the value adopted, but which one will work depends upon the society.

of government in a social order in many ways undemocratic. While this and kaleidoscopic changes, afford almost a laboratory for the study of paradox is more apparent than real, it nevertheless suggests a fundaexceptions of our general thesis, because they embody democratic forms government and society. Furthermore, they look at first sight like glaring logically neglected, these republics, with their similarities, differences, is our intention to apply it to the Latin American republics. often forgotten, would be banal if it were without application, and it resultant of the total institutional structure. This proposition, though any other political form, constitutes merely a part and, in the main, a and social democracy, the dependence of one upon the other, and the cans possess brings out, as nowhere else, the difference between political tween the kind of government and the kind of society the Latin Ameri came into such an ambivalent situation. Finally, the very contrast be mental difficulty of the republics, and raises the question of how they perversion of one in the absence of the other According to our thesis, the democratic form of government, like

Political Democracy

An outstanding trait of Latin American political life is its fascina-