The market in a socialist economy

Włodzimierz Brus

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elimination of Marxist economic science from the solecism of the rediscovery of old truths but also because an objective recapitulaprinciples of the functioning of a socialist economy, not only to avoid It seems necessary to make a brief survey of the treatment of the tion of the achievements of the last decade is a basic factor in the

small number of official pronouncements and documents (which economic thought to actual political needs was either through a circumstances in which they arose) it was a science without a even then were generally interpreted in isolation from the actual classic Peter Schlemihl—a man without a shadow. If we discount the catalogues. As a result, Marxist political economy, especially the moving names and works which were regarded as politically compolitical economy of socialism, was rather like the hero of Chamisso's promising from the history of science, the bookshelves and the card peculiar interpretation of the Marxists' writings or by simply re-For a number of years the application of the history of Marxist

socialist economy. This constituted yet another factor in the impoverishment of our own scientific achievements in the neld. Marxist writings devoted to the problems of the functioning of a Similarly Marxists frequently ignored non-Marxist or unofficial

comprises those who took part in the discussion on economic calcuat the present time I shall be concerned with some aspects of the the period immediately after the October Revolution; the second socialist economy. The first group is Marx and his followers, up to nounced on the subject of the principles of the functioning of a work of three groups of writers, who have from time to time proeconomists.) From the vantage point of the problems being discussed (The latter task is currently being attempted by several young Polish and not an attempt to present a systematic history of the problem. excursion into the past. However it will be nothing more than a foray interior lation in socialism during the interwar period, and the third comprises Thus there is sufficient reason to justify devoting some space to an

Marx and the Marxists in the pre-revolutionary period

Soviet economists who made commentaries during the 1920s.

(including the later works of Lenin)

socialist society. This fact derived from a feature which marked the socialists is the former's extreme caution in describing the future One of the chief differences between the Marxists and the Utopian say "yes". The revolutionaries say "no", since they know much necessary for this precious construction (socialism)? The sectarians with the tasks of revolutionaries. As August Blanque wrote: 'Are we tion of castles in the air was not only at odds with science but also analysis of the laws of capitalist development. They sought thereby same time revolutionaries, they devoted their whole attention to an which was both scientific and revolutionary. Scholars, and at the vision of the creators of the modern socialist idea—an approach better the nature of the future which belongs to socialism."2 in possession of the plans and materials, do we have all the elements through which old orders were replaced by new ones. The constructo be armed with a correct understanding of historical processes,

cance exists for socialism in countries that were backward in ecoeconomy. Furthermore they were aware of the inherent dangers of nomic development. Nor were Marx and the Marxists free from the tried to discourage others.3 scholasticism for practical revolutionary activity. For these reasons scientifically demonstrating actual forms in the future socialist However, they did realize that they lacked a sufficient basis for they not only restrained themselves from such discussions but also influences of these Utopian ideas in the period before the Revolution. the future society painted by the Utopian socialist; special signifi-This is not to imply that there was nothing of interest in pictures of

hypotheses about the future socialist economy (the works of Lenin open a new stage, but they are closely connected with the writings of the previous period) and go on through theoretical discussions largely detached from actual practice to attempts directed towards a generalization of the actual operation of a socialist the 1920s. Nevertheless my solution does have its own logic. We start with gramme documents and the works of Lenin written in the period immediately dealing with the principles of a socialist economy should be discussed. The order after the October Revolution from the views put forward by Soviet economists in which I have adopted is not perfect. I have, for example, separated party pro-¹ It is something of a problem to establish the order in which the various views

nisticheskoi Akademii, no. 12, 1925. ticheskiye i kommunisticheskiye predstavleniya o sotsializmie, Vestnik Kommu-² Critique Sociale, vol. 2, p. 194, cited by E. Preobrazhenski in his 'Sotsyalis

correspondence of Marx and Engels in 1876. 8 See, for example, the ironic remarks about Wilhelm Liebknecht in the

because of their supposed lack of agreement with Marx. such attempts carry various efforts to condemn various opinions problems on the functioning of a socialist economy. Concomitantly can still encounter attempts to discover in Marx answers to specific If I call attention again to these well-known points it is because one

are of very general character and are little more than leading ideas principles of the functioning of the future socialist economy; they It is true that there are a few statements by Marx and Engels on the

which arose in two contexts:

anatomy of the ape. served by the anatomy of man when considered as a key to the remarks in Capital were meant to fulfil the same function that is nature of the capitalist mode of production. A number of such velopment, most frequently in order to emphasize the transitory 1. In connection with the analysis of the capitalistic pattern of de-

of Anti-Dühring. programmes. Among other things this is the source of the comments on socialism in Critique of the Gotha Programme and in the third part especially when it was necessary to oppose false theses in political 2. As a result of the practical needs of the ideological struggle,

handled separately. socialist government immediately after the Revolution must be The question of the programme to be followed by the future

socialism are discussed by him in greater detail, especially in the although problems of the transitional period from capitalism to period shortly before the Revolution. Lenin, like Marx, avoided the building of a Utopian vision,

conclusions, or-perhaps better-suggestions, are undoubtedly there, though they are not always explicit. clusions can be divined from the work of Marx and Engels. Such ing of a socialist economy does not necessarily mean that no con-The paucity of systematized and developed analysis of the function-

of the role of the law of value as a regulator of capitalist production.1 economy is found in conjunction with criticism by Marx (and Engels) Most of the material concerned with the functioning of a socialist

so doing, and while showing how, spontaneously acting and wasteful form of regulation ex post with the conscious regulation ex ante in an unit of output into socially necessary dimensions, he contrasts this from the global point of view, the law brings individual inputs per and industry-wide labour markets) is achieved by the law of value. In distribution of society's labour (satisfaction of the various sectoral macro-economic point of view, expensive process whereby the Marx begins by demonstrating the spontaneous and, from the

¹ For interpretation of the law of value, see chapter 4.

economy based on the social ownership of the means of production. regulation of the division of labour on the social (macro-) scale and the regulation of the division of labour within an enterprise. I In this connection, Marx stresses the similarity between a conscious

society into one immense factory. damning to urge against a general organization of the labour regulates the process of production . . . It is very characteristic that with equal vigour every conscious attempt to control socially and which praises division of labour in the workshop . . . denounces authority but that of competition, of the coercion exerted by the independent commodity producers, who acknowledge no other to him. The division of labour within the society brings into contact capitalist over men, who are but parts of a mechanism that belongs workshop, is regularly carried out, becomes in the division of The a priori system on which the division of labour, within the the enthusiastic apologists of the factory system have nothing more ditions of the existence of every species. The same bourgeois mind pressure of their mutual interests; just as in the animal kingdom, labour within the workshop implies the undisputed authority of the in the barometrical fluctuations of the market prices. Division of controlling the lawless caprice of the producers, and perceptible labour within the society, an a posteriori, nature-imposed necessity, the bellum omnium contra omnes more or less preserves the con-

the different individuals is consciously applied as the combined labour power of the community." means of production in common, in which the labour power of all of signals and incentives is basic to Marx. This is a basic feature of from a central point of control and not by means of market mechanism trary, the very nature of the division of labour, consciously directed 'a community of free individuals, carrying on their work, with the Marx does not find the latter prospect at all disturbing. On the con-

and also to the division among different areas within each of these between the output of consumer goods and the means of production groups. This applies equally to the division of the whole of society's labour

It is here, in my opinion, that the first and very essential suggestion for the organization of a planned socialist economy is to be found in contained in it. the Marxist analysis of capitalism. All the other ones are, in fact

socialist economy is closely connected with the first. From the Marx's second yery essential suggestion for organizing a planned

¹ K. Marx, Capital (Moscow, 1954), vol. 1, p. 356

² Capital, vol. 2, p. 78.

various uses must also define in advance the amount of that labour beginning, a society which divides labour in a direct way among necessary per unit of output (labour input coefficient).1

average. Society can simply calculate how many hours of labour cally useful character may be, becomes at the start and directly ence shows in a direct way how much of it is required on the need not then be established in a roundabout way; daily experisocial labour. The quantity of social labour contained in a product duction, the labour of each individual, however varied its specifimeans of production and uses them in direct association for pro-From the moment when society enters into possession of the everything very simply without the intervention of much vaunted oblique and meaningless way, stating that they have the value of simple fact that the hundred square yards of cloth have required society will not assign values to products. It will not express the relative ... rather than in their natural, adequate and absolute and in their absolute amounts . . . in a measure which . . . is . . . put into the products, quantities which it will then know directly could, therefore, never occur to it to express the quantities of labour vest, or a hundred square yards of cloth of a certain quality. It are contained in a steam engine, a bushel of wheat of the last hara thousand hours of labour ... People will be able to manage measure, time . . . Hence, on the assumptions we made above, for their production, say, a thousand hours of labour in the

mination of the necessary input per unit of output requires in a nature of the problem facing a socialist economy. This difficulty calculation in physical units has its roots in the macro-economic satisfy social needs.3 Apart from these factors the importance of played by use-value in an economy where the main concern is to economic calculation to physical terms presupposes a new role to be socialist society calculation in physical terms.² The conversion of Consequently, the direct division of labour and the direct deter-

had in mind was the expression of outlays in units of labour time while results were expressed in the physical units most suitable for the individual products culation of inputs and results in physical units. One must suppose that what they ³ It is difficult to answer definitely how Marx and Engels imagined the cal-¹ F. Engels, Anti-Dühring (Moscow, 1954), pp. 429-30.

(of volume, weight, energy, etc.).

w ekonomii socjalizmu' ('Use-value in the economy of socialism') Ekonomista, no. 4, 1948. There are some interesting comments on the subject of use-value in Marx's theory contained in an article by Roman Rozdolski, 'Der Gebrauchswert bei Karl Marx', Kyklos, 1959, vol. 12, part 1. The author is a Marxist of Polish 8 Edward Lipiński noted this point as early as 1948 in 'Wartość uzytkowa

> portions from the point of view of value; it is absolutely necessary to on the macro-scale arises, it is insufficient merely to consider its proderives from the mode in which he conceives the reproduction of the which Marx never explicitly linked with the socialist economy, consider its proportions in physical terms, too. Marx clarifies the whole of society's capital'. Whenever the question of reproduction departments (means of production and means of consumption):1 question and makes his famous division of society's product into two

culation to reconvert itself into its elements of production and thus assume that the portion of the product in commodities which of the product of capital individually, the bodily form of the com-So long as we looked upon the production of value and the value modities on which they spend their wages and the surplus value both the labourer and the capitalist find in the market those cominto its form of productive capital; just as it sufficed to assume that represents capital value finds an opportunity in the sphere of cirmodities produced was wholly immaterial for the analysis, whether sion of one portion of the value of the product into capital and the labour variable inputs and capital replacement). This purely forma the reproduction of capital was concerned, it was sufficient to it was machines, for instance, corn or looking glasses . . . So far as ment of value, but also a replacement in material and is therefore capital finds expression, and this movement is not only a replacevalue of the produce itself in which the result of the aggregate capitalist as well as the working class form a movement within the passing of another portion into the individual consumption of the manner of presentation is no longer adequate in the study of the material shape. as much bound up with the relative proportions of the value comtotal social capital and of the value of its products. The reconver-(that part of the total product which remains after payments to ponents of the total social product as with their use-value, their

nomy which develops by the full (or nearly so) utilization of prosolution are no longer satisfied with aggregate analyses. More and more they study key proportions in physical terms and search for of growth realistically and are genuinely concerned with finding a ductive capacity and available labour force makes this question its ways of overcoming the problem of bottle-necks. The socialist ecotions in the macro-growth process is gaining ever more attention in the bourgeois theory of growth. Economists who handle the problem The notion treated here on the role of physically expressed propor-

¹ Capital, vol. 2, p. 394

special concern. Planning and physical calculation in these circumguide for the study of a socialist economy implied in the work of stances are indispensable; and as such constitute the third essentia

sectors) among the individual members of society. Among other dividing income between consumption and saving (accumulation).¹ whole of the social product (sum of the gross outputs of all the in a criticism of Dühring. The latter had proposed a division of the capital in a socialist system. It was Engels who elaborated this point things this would mean that the individual would be entrusted with The fourth problem is that of the allocation of the accumulated

one has arrived at a pure absurdity. accumulated in the future may once again be dispersed in the hands of society only in order that all means of production accumulated in the past have, therefore, been centralized in the duals can do what they like with their 'proceeds', but society, at and placed at the arbitrary discretion of individuals. The indivifunction of society, accumulation (saving), is taken from society The whole product is distributed. The most important progressive able for products; one hour's labour for the product of another hands of individuals. One knocks to pieces one's own premises best, remains as rich or as poor as it was. The means of production hour's labour. This, however, gives rise at once to a serious hitch the labour product, but labour itself should be directly exchange-The worker should receive the 'full proceeds of labour'; not only

as a logical consequence of the socialization of the means of prothe accumulated capital should be gathered in the hands of society It follows unequivocally from this assertion that the main part of

socialist economy. This problem, the criteria for the division of national income among individuals, is initiated in the Critique of the by Marxists and does not need further explanation. Closely related to this point is the fifth) essential element in which the views of Marx and Engels have meaning for the functioning of a to labour in the socialist stage of development is generally accepted State and Revolution. The principle of income distribution according Gotha Programme and further elaborated by Lenin in chapter 5 of

conclusions. The socialist economy should have the following Instead let us attempt a summary of this point and some general

2.)direct determination of labour input coefficients, for both living F. Engels, op. cit., pp. 432-3. direct, ex ante, regulation of the social distribution of labour;

> capital goods); and embodied labour (a crystallization of labour time found in

equilibrium of supply and demand in physical units;

of labour contributed; fund intended for individual consumption according to the amount extion of general needs, and at the same time the allocation of the 4./the distribution of social product in accordance with the satis-

5. centralization of the saving and investment decisions.

direct calculation of social labour. society¹ he means neither value as the feature of a commodity nor capitalist situation in this regard, and, therefore, to look among them However, they do give a rough outline. To the creators of scientific socialism there was to be, in contrast to capitalism, a centrally futile. Even when he uses the term 'value' with regard to a socialist for a theory of the operation of the law of value in socialism is writings on political economy emphasize his opposition to the duction were not subject to the uncontrolled operation of the law of since they are not formulated directly but in contrast to capitalism. the law of value as the law of commodity production. He refers to the planned economy, one in which the main elements of social reprovalue (Maurice Dobb calls this 'economic law'; Soviet Economic Development since 1917, New York, 1948, p. 325). All of Marx's Admittedly these five points do not present a full picture especially

however, make the construction of an advanced model possible. rough sketch of a socialist economy: they could not and did not, the capitalist mode of production provided a contrario data for a elaboration. Understandably they do not exhaust the problem but socialist economy, then they are remarkable for their accuracy and only provide its skeleton. The discovery of the 'laws of motion' of are entirely borne out by practical experience and later theoretical assumptions, as the broadest of outlines to the functioning of a work of Marx and Engels? If these few points are taken as general How, then, are we to assess the conclusions to be drawn from the

system of physical-term distribution which controlled the factors of production and production itself would correspond most literally to (including theoretical economists) came to believe that a direct the reality of the socialist economy. In spite of this, both the rank-and-file socialists and intellectuals

statements, the answer would be 'yes'. At any rate in their work it is socialist economy and draw conclusions from scattered incomplete If we ignore their reluctance to scientifically describe the future Did this view correspond with the intentions of Marx and Engels?

and Engels Selected Works (Moscow, 1950), vol. 2, p. 13). 1 See e.g. Capital, vol. 3, pt. 2, p. 826; Critique of the Gotha Programme (Marx

comparatively easy to find corroborating formulations and hard to introductions of market forms. Moreover, from the point of view of find contradictory statements—for instance, one's foreseeing the have said. And of this there is no doubt. important fact is what the socialist movement understood Marx to the creation of ideology and its influence on practice, the ultimate

on the basis of work coupons, etc. money and of gigantic warehouses and stores distributing products We can see there also an economy without exchange prices and smallest detail, are determined ex ante, by a central planning body sions of a production process in which all the elements, down to the grammes and brochures and propaganda articles, are found discus-Everywhere, in scientific monographs, the socialist party pro-

able to the functioning of a socialist economy. a superstructure on old capitalism'). But at least, to the time when it capitalism's monopoly stage ('imperialism and finance capitalism are was possible to draw conclusions from the first experience of the giant banks). Lenin cautioned against such an interpretation of was supposed to lead rapidly to the concentration of the whole of but simply as a feature of exploitation) c) an overvaluation of apparent tendencies toward concentration in capitalism (according production into a few trusts and of the whole credit system into a few capitalism (especially regarding the market mechanism which was are involved a Utopian influence which was criticized primarily for Revolution, he did not draw conclusions from it which were applicto some Marxists, especially Hilferding, in Das Finanzkapital, this treated not as a form able to absorb a new socio-economic content viction that in every element socialism would be the opposite of be made rather than for its view of the future society (b) the conits false concept of the way in which a transition to socialism would interpretation of the view of Marx and Engels. A number of factors Obviously, this situation was not merely the result of a certain

not consider them of any great importance. The difficulties inherent difficulties in achieving a system of in-kind distribution, but he dic economy, Kautsky's Die soziale Revolution2 (especially the second revolutionary attempt to outline the mechanism of the future socialist chapter 1, it must be conceded that even the most important preremoved by eliminating the numerous small-scale enterprises and part), is lacking in realism. He is vaguely aware of the 'technical' in the management of production from a single centre could be Apart from the works of Wilhelm Liebknecht, mentioned in

² K. Kautsky, *Die soziale Revolution* (Berlin, 1902).

commodity forms in socialism can be clearly seen. For example, he , the germs of differentiation between the law of value and the moneygeneral belief that the ground for the operation of the law of value allows money to be used as a technical means, while expressing the arising from the varied structure of demand. Even in Kautsky's work that income equalization would eliminate or minimize the difficulties concentrating production into a few larger ones. He also considered will disappear with the socialization of the means of production.¹

in the determination of these prices ... ducts can now be established independently of value although the of value (Wertgegenstand) is also removed ... The prices of proact as a measure of value and as a representation of the substance (barter) will cease to exist. At the same time the need for money to The need to regulate production by the exchange of various values labour time which is embodied in them still has a major significance

revolve in the same unchanging fashion.'2 mechanism, the wheels of which, once set in motion, continually imagine the socialist society in the shape of a uniform, rigid economic management: 'Nothing could be more mistaken than to ships of different forms of ownership and methods of democratizing be constructed. Special attention was paid to the mutual relationshould not be taken axiomatically. He vigorously opposed all claims that only one system of the functioning of a socialist economy could In his work, Kautsky indicated that the theses contained in it

commodity production in socialism. This development was partly novel views among which is his attitude toward the problem of influenced by his critical opinion of 'war communism' in the USSR, Proletarian Revolution and its Programme, contains a number of experience of the German war economy. Kautsky's later book, The primitive supporters of an economy based on in-kind distribution Bauer) began to abandon their previous position and to oppose the many, Kautsky and other social democrats (among them Otto (Ballod, Neurath, etc.). This turnabout was inspired partly by their Some years later, in the face of imminent socialization of Ger-

socialist economy, many favouring the idea of a 'competitive socialism'. A Polish example was the left-wing youth group of the Polish social democratic theorists on the question of the mechanism of a Socialist Party, Plomienie, which formulated principles of a socialis Still later, in the interwar period, different views were held by

Russian Communist Party (b), Works (in Polish), vol. 29, pp. 156, 506 1 V. I. Lenin, 'Speech on the Party Programme at the 8th Congress of the

¹ *Ibid.*, p. 19.

² *Ibid.*, pp. 36–7. ⁸ See *infra* pp. 22–4.

economy based on the 'competitive solution' of H. D. Dickinson.¹

communism' and in the transition to NEP promoted this type of economy should be introduced as quickly and consistently as was establish an economic system founded on distribution in physical economists was aimed at explaining why it was not yet possible to described above. With this in mind, the main effort of theoretical tional Period, but also Lenin in his own writing in the period of 'war possible. Not only Bukharin and Preobrazhenski in the ABC of terms. The theory was that a completely centralized, moneyless of practice, in general, kept the basic point of view close to that mechanism, has far more adherents for obvious reasons. The reality Communism and the former alone in the Economics of the Transi-Russian Communists, on the question of the socialist economic However, the stand taken by communists, and especially the

organization of production and distribution. Doubtless in this interand it had to be utilized. Lenin made no secret of this attitude wher the first opportunity. 'War communism' provided the opportunity reality. It might be possible to jump directly to a 'purely communist' occurred to him that such a peculiar situation might be more than a and realized the abnormality of the situation. Nevertheless it understood the nature of the causes which underlay this necessity money-commodity relations are a necessary evil to be eliminated at pretation of the circumstances is concealed the basic feeling that the cold analysis of all economic assumptions, might become a become irrevocable, so that what seemed impossible in the light of necessity of total mobilization in defence of the revolution, might mere episode. He realized that faits accomplis influenced by the the system of 'war communism'. It is evident that Lenin clearly which were nearly complete.3 The attainment of these aims was use of money in purchasing rather than other goods in barter) preserve and to normalize money-(for)-commodity relations (the frustrated by the outbreak of Civil War and the necessity to introduce things, the role he attributed to the currency reform, preparations for immediately after seizing power. This was evidenced in, among other More clearly than other leaders, Lenin realized the need both to

state distribution of products according to communist principles. Time has shown our mistake.'1 land of small peasant holdings, to organize state production and posed without any grounds for doing so—that we would be able, in a he said later: 'We calculated—or perhaps more accurately, we sup-

nobody could find a project which really guaranteed success."2 a tax was introduced. This was not conceived full-blown but was tariat. No alternative conception could easily replace it. Lenin stated, viction that an economic system of physical-term distribution was Bolshevik press, you can find a whole series of propositions, but the only form which corresponded to the dictatorship of the prolepieced together over several months. Over a period of months in the there was a change in our economic policy; instead of a requisition, Even exposing this error did not remove the pressure of the con-

intermediary of money were unsuccessful:3 exchange of products in local trade. These attempts to avoid the preserve commodity forms of exchange in the countryside, by direct doubtedly as a result of enormous personal effort on Lenin's part, However, it is interesting that even in NEP there were attempts to 'NEP, a project really promising success' came to life shortly, un-

cannot see when they are beaten, if we are not afraid to face the selling. And we must now realize this if we do not want to hide our heads in the sand, if we do not wish to act the part of people who came of it in the sense that it assumed the form of buying and out ... that nothing came of the commodity exchange: nothing direct exchange of products] ... And what happened? It turned propaganda, large scale legislation-beginning in the spring of A series of decrees and decisions, a mass of articles, wholesale 1921—was aimed at the increase of commodity exchange [i.e., the

them into an instrument of socialism. During the inauguration of the money-commodity relations but by mastering and transforming market spontaneity. His response to the danger was not by paralysing socialist industry was weak and burdened by a large sector of smallscale producers, menaced planning with inundation by a tide of He perceived that market links with the countryside, especially when the NEP Lenin returned to certain ideas outlined in found practical lessons as well as a series of theoretical conclusions. From the situation Lenin was able to fathom a number of pro-

Politics-Tactics-Organization of Socialism), Warsaw, 1934. ¹Cf. Gospodarka-polityka-taktyka-organizacja socializmu (The Economy

for the theoretical discussion referred to above. they, together with the views of Marx and Engels, constituted the starting point ² Lenin's views are discussed here and not in the section on the 1920s since

Congress of Representatives of Finance Departments of Local Soviets, May 18, ³ V. I. Lenin, Collected Works, London, n.d., vol. 23, pp. 32-5, Speech at the

¹ V. I. Lenin, Works, vol. 30, p. 42 (Polish edition).

the Communist International', V. I. Lenin, Works, vol. 30, p. 517. ⁸ Ibid., vol. 23, p. 84. ² On the Tactics of the Russian Communist Party at the Second Congress of

Left-Wing Communism: an Infantile Disorder. In connection with the NEP he developed the idea of using money-commodity forms in the socialist state during the transition to communism.

Important to this conception was the assertion that these money-commodity forms in NEP could not be limited to links between town and countryside; they must include the socialist sector.¹

The adoption of so-called *khozraschot* [see p. 44] in state enterprises is by force of circumstances very closely connected with the New Economic Policy, and in the near future this type of undertaking will undoubtedly predominate—if it is not the only type. When free trade is allowed and develops, this in fact means the adoption by state enterprises of commercial principles to a large extent.

In this situation it was clearly necessary to base the criteria of the efficiency of state industry on profitability thereby involving broad areas of autonomy for enterprises or their associations (trusts). Lenin realized that the use of market forms in the mechanism of the functioning of state enterprises did not necessarily mean the abandonment of central planning. If the basic decisions belong to the state and its institutions and where there is still the possibility of state intervention in the activity of an enterprise, planning exists. Succinctly stated the formula is this: 'The new economic policy does not change the unified state economic plan and does not go beyond its framework, but it alters the means by which it is realized.'2

Without a doubt Lenin's pronouncements in the years 1921–2 constitute a basic step forward in understanding the relation of the plan to the market and the role of money and commodity exchange. (Later we shall see that they had an important influence on Soviet economic science.) Equally there can be no doubt that Lenin referred directly to the mixed economy of the transitional period when he considered the question of applying market forms. Further he saw the necessity of them as a result of factors external to socialism—the large small-scale peasant sector and the low level of industrialization.

Thus it is impossible to conclude from Lenin's work that the system of 'war communism' is basically erroneous. The mistake is not in the premises of the system themselves, but in the fact that it was introduced prematurely before the conditions were ripe. We see that for the planned socialist economy in the strict sense (i.e. the situation when all the means of production are socialized) it remains true that the only suitable system is one which is highly centralized and in which production and distribution are controlled in physical terms.

As suitable conditions arise this system ought to be brought into existence

Two documents of major ideological importance support this interpretation—the programme of the Russian Communist Party of 1919 (8th Congress) and the programme of the Communist International of 1928 (6th Congress).

In the programme of the Russian Communist Party, point 3 of the chapter devoted to general economic problems reads:¹

The decay of the imperialist economy bequeathed to the first period of Soviet construction a largely chaotic organization of production and management. As one of the basic tasks there is all the greater need to achieve the maximum unification of the whole of the country's economic life by means of a state plan. Further, there is the necessity of achieving the maximum centralization of production in three senses, a merging of production by branches and groups of branches of a concentration of production in the best possible productive units, c. an acceleration of the realization of economic tasks.

In distribution (point 13):

In the field of distribution the task of the Soviet authorities at present still consists of replacing trade as quickly as possible by the planned state-wide distribution of products. The aim is to organize the entire population into a uniform network of consumer communes which will be able to conduct the distribution of indispensable products rapidly, economically, in a planned way and by a strict centralization of the entire distributive apparatus.

In the money and banking systems (point 15):

In the first phase of the transition from capitalism to communism, so long as the communistic production and distribution of products has not been fully organized, the abolition of money is impossible ... Basing its policy on the nationalization of the banks, the Russian Communist Party intends to realize a number of measures expanding the sphere of accounting without money and preparing for the abolition of money: the obligatory depositing of money in bank accounts, the introduction of budget books, the replacement of money by cheques, short-term coupons entitling the holder to products, etc.

The same pattern—a merely temporary tolerance of money—commodity trade and the intent to introduce direct methods of

¹ Ibid., pp. 185-6.

² Ibid., vol. 33, p. 84.

¹ All the quotations are from the KPSS v Rezolutskiyakh i Resheniyakh Syezdov, Konferentsii i Plenumov CK (Moscow, 1953), Part 1, pp. 421, 425-6, 427.

in-kind distribution as quickly as possible—appears in the programme added import must be attached to the pertinent sections. For example problems generally but, it will be remembered, the document was conditions existing in any one country. Not only does it deal with is enhanced by the fact that it does not limit itself to the analysis of of the Communist International. The significance of this document the relation between plan and market (chapter 4 of the Programme): 1 the sections describing the origins of the use of money in trade and the views generally accepted in the communist movement. Hence programme were formulated with comparative care and expressed binding on all parties by virtue of the organizational principles of the International. For these reasons the theoretical parts of the

help to destroy market relations altogether. tarian dictatorship will lead to its own destruction . . . thus they the process of development of market relations under the prole bution . . . Provided the Soviet state carries out a correct policy, of direct planned management in the sphere of production distrigreater and more universal will be the role played by the methods be the importance of plan as distinct from spontaneity and the the other hand, the smaller the share of small-scale production ... forecasting of spontaneously developing economic relations. On will be the degree to which the economic plan will depend upon the the significance of directly planned management, and the greater greater will be the volume of market relations, the smaller will be scattered, small peasant labour in the economy of the country, the money systems, etc. . . . Hence, the greater the importance of preserve to some extent, market forms of economic contacts, the ... it is necessary, in the first stage of [socialist] development to ward countries . . . and even in centres of capitalist world industry duction . . . in colonies, semi-colonies and economically back-Owing to the prevalence of a large number of small units of prothe smaller will be the volume of market relations, the greater will

modity relations will for a certain period have a broad, medium and narrow compass). this criterion the programme names the countries in which comsectors and their extent and importance depend almost entirely on the socialist economy; they derive from the existence of non-socialist he extent and part played by small peasant holdings (in applying These extracts can be seen to reiterate at least two basic points: Money-commodity trade relationships are treated as external to

domic phenomena at variance with a planned economy—the ¹ Programme of the Communist International (London, 1929), pp. 31-3. 2. Money-commodity trade relationships, the market, are eco-

> proportional to the extent of, and part played by, money-commodity scope and effectiveness of planning in the strict sense are inversely embodiment of the uncontrollable (According to the programme the trade relationships.

more than a theoretical significance. collectivization of agriculture was started. It is indisputable that formulations contained in the programme of the International had are no longer the years immediately following the October Revolution; this is the beginning of the second decade after the Revolution the period when the five-year plan offensive was opened and the It is worth noting the date when the document was drafted. These

conviction that the socialist economy is centrally planned not only generally but in all its elements. Furthermore, the market mechanism survey. The most important conclusion is that in the theoretical and forms a foreign body in the socialist system which must be tolerated ideological outlook of the revolutionary movement was rooted the for a period but which should at all cost be eliminated as soon as easible. This brings us to the termination of the first part of our historical

and needs. has, to some extent, been independent of strictly economic conditions a socialist economy this doctrinal standpoint has had an important influence. We cannot explain the history of the formation of the 'model' unless we take into account this factor (even if that history In the practical application of the principles of the functioning of

calculation in socialism The Western inter-war discussion of the problem of economic

developed on a large scale. In the earlier period individual contribusynthesize the results to that time, but they went so far as to become level of the disputes underwent an important modification new contributions to the discussions.) Despite this the limitation years of this century. Moreover, the discussions were not terminated the latter half of the nineteenth century or at any rate in the first economic calculation in socialism took place. Actually it began in tion of the period within which the well-known discussion about found in the heading can be justified since it was then that the debate War II. (Immediately after the war interesting attempts were made to in the inter-war period but extended into the period after World It may be that the above heading does not give an accurate descriptions rarely met with a direct reaction, and in the later period the

the problem. Nor do I intend to give a full account of the discussion As I have already made clear I do not intend to write a history of

to make the main theme clear. shall touch upon the general problems only in so far as it is necessary suitability of the various solutions which were considered. And I at the present time. Therefore, what is of interest is not the discussion assess those aspects of the discussion which are important for the as to whether socialism can be rational but the discussion as to the problems of the mechanism of the functioning of a socialist economy tinguished by its precision and breadth of vision). Rather I want to serious attempts at a synthesis, with Abram Bergson's being disof economic calculation in socialism (especially since there are many

speak, for this kind of study was thus much greater and Mises's article was impossible. We must remember that unlike previous works subsequently, if not immediately, became very well known. ism had ceased to be a theoretical problem. The 'social need', so to revolutionary period, Mises's article appeared at a time when socialwhich dealt with the problems of the socialist economy in the prefor the achievement of optimum economic results) was never, or hardly he asserted that rational economic calculation in a socialist economy already put forward, he attempted to form a coherent theory. In it ever, the subject of consideration. Schaeffle, in Die Quintessenz des Mises, 4 however, lies in the fact that, on the basis of the arguments theoretical solution of the problem. The particular importance of Pareto, and especially Barone, even attempted to produce their own Dutchman, N. G. Pierson), have drawn attention to this point. Socialismus, and others (among them Kautsky's adversary, the for choosing between different uses of the available means (resources) nomic calculation (in its most general sense as the criteria and methods even our short foray into the views of Marx, the question of ecoproblem of economic rationality in socialism. As is evident from the services which the latter rendered by drawing attention to the socialism² with an ironic passage in praise of Ludwig von Mises for Oskar Lange begins his famous work on the economic theory of

²O. Lange and F. Taylor, On the Economic Theory of Socialism (Minneapolis,

(Archiv fuer Sozialwissenschaften, April, 1920). His article is expanded in his book Die Gemeinwirtschaft, 1st ed. 1922, 2nd 1932. English translation, Socialism, 1936 *L. von Mises, 'Die Wirtschaftsrechnung im sozialistischen Gemeinwesen

> socialism, he felt that the inevitable consequence of the socialization of the means of production would be the stifling of a market for model based on physical allocation and which was seemingly concapital goods, thus precluding the possibility of a rational control of allowed for the appearance of a market for consumer goods in firmed in practice by 'war communism'. Although it is true that he the paucity of socialist literature, seizing upon a highly centralized the economy.1 Like other bourgeois critics of socialism, Mises took advantage of

exchange, it will be impossible to determine its monetary value. Calculation in terms of money will be impossible. petitive society in determining the value of production goods Because no production good will ever become the object of Money could never fill in a socialist state the role it fills in a com-

evident, not only in the light of socialist experience but also in the sonnel, this is Mises's main argument. Today its primitive nature is of the impossibility of establishing incentives for management perand from the use of money also takes us away from rational ecosocialist economy to determine the economic efficiency of production Max Weber, in part, follows the same course in Wirtschaft una Mises's arguments (even the reasoning of so serious a scholar as a considerable number of bourgeois economists have followed light of the development of state capitalism. Nevertheless since then nomics.² Apart from criticisms of both the lack of value criteria and takes us away from the private ownership of the means of production rational production becomes completely impossible. Every step that of a freely-established money price for goods of a higher order versal exchange relations: 'As soon as one gives up the conception private ownership of the means of production and, hence, on unidespite socialist accusations that it is anarchic-is one based on or investment decisions. Thus the only form of rational economy-From this Mises concluded that it would be impossible in a

critique of socialism to reach a less drastic interpretation. He showed body can obtain the optimum use of means on the condition that it by Barone is theoretically correct. Accordingly, the central planning tical inability of socialism to develop a rational economy. Hayek, like that Mises's reasoning demonstrates not the theoretical, but the prac-Robbins and others, considers that Pareto's argument as expanded F. A. Hayek took Mises's solution as the starting point of his own

¹A. Bergson, 'Socialist Economics' in a Survey of Contemporary Economics, vol. 1, published by the American Economic Association and edited by Howard Ellis in 1949 (repeatedly republished).

translation in Collectivist Economic Planning, edited by F. A. Hayek (London, ⁸ E. Barone, Il Ministerio della Produzione nella Stato collectivista, English

Planning, ed. F. A. von Hayek, 1935, p. 92. ¹L. von Mises, 'Die Wirtschaftsrechnung', quoted from Collectivist Economic

cannot exist in practice. a rational socialist economy, although theoretically conceivable Because, at best, it would seem difficult to fulfil this kind of condition, mechanism.)However, this planning body would have to take account produced, prices, production coefficient, and needs of services. As such it assumes perfect accuracy of data on the number of goods thousands of equations with hundreds of thousands of unknowns. taneously, be obliged to solve a system composed of hundreds of of all the mutual interrelationships in an economy and would, simulbehaves consciously, ex ante, and analogously to a perfect market

Lange-Lerner solutions in earlier but less precise German works.4 of articles (in part a mutual polemic) in the Review of Economic important contribution to the inter-war discussion through a series Socialist Economy'2 by the English economist, H. D. Dickinson. article had to await publication of Lange's book to make an impact.) Studies.3 Lastly our summary must note a certain similarity to the Yet it was Abba Lerner and Oskar Lange who made the most A further important contribution is the article 'Price Formation in a to produce a solution along these lines. (It is noteworthy that the Guidance of Production in a Socialist State'1 made the first attempt tion are socialized and planning is centralized. Fred Taylor, in 'The ism which guarantees optimum decisions when the means of producrather they must try to show that it is possible to construct a mechanprove the theoretical possibility of a rational socialist economy, but Therefore, the advocates of socialism must try not so much to

the 'Lerner-Lange solution'). choice is Lange's work in its final version and as subject to modifisufficient to extract the most representative of these studies and to cation by the comments of Lerner (hence the frequent allusions to functioning of a socialist economy. As that representative the best use it as an example in considering the proposed mechanism of the For the purposes of the ensuing review of the period it will be

Clatera line of managing the factors of production, what is required is not prices of choice alternatives). Hence the prices to be used for allocating commodities on the market) but in the most general sense (an index in the narrowest sense (the actual exchange relationship between two Briefly the argument runs as follows: in order to solve the problem

¹ The American Economic Review, 1929.

Lerner in years 1934-7, Lange in years 1936-7.

end. Given the following assumptions which are not at variance with constructed: such prices are not arbitrarily established then the problem is at an office as a basis for their own decision-making. If it is the case that of capital.) The centrally calculated prices are parametric in so far as goods is excluded by the nature of socialism and social ownership owners but must be ones calculated by the central planning office managers of socialized enterprises cannot influence price determina-(The former alternative based on the private exchange of producer factors must not be established by actual exchange among various the principles of a socialist system, objective price structure can be tion, but, on the contrary, are given prices by the central planning

given incomes, the prices of these goods will establish themselves as 1. There is freedom of choice in the consumer goods market; with

equilibrium prices similar to those of a competitive market.

market. which in the same way tends to establish an equilibrium in the labour 2. There is freedom of choice of occupation and place of work

assumption of a labour market. among members of society; here arbitrariness is limited by the 3. There are established principles for the distribution of income

Consequently marginal rates of substitution will be equalized. tion of output to the point where marginal cost is equal to price tion of the average cost per unit of output; b. regulation of produc-4. Managers act according to definite principles: a. the minimiza-

interest which equalizes the demand for and supply of capital. of production and to enterprises is achieved by using a rate of the central planning office; while the allocation of capital to branches 5. The rate of accumulation is directly established by references to

supply and lowering those of goods in the opposite situation, allow cessive approximations, raising the price of goods or services in short managers constrained by the general conditions listed above. Sucof course, is the independent result of the decisions of consumers and servation of the movement of supply and demand. This movement of thousands or millions of equations, what is needed is the obmations). Far from requiring the simultaneous solution of hundreds interconnections—are achieved by trial and error (successive approxiof all decisions.' Equilibrium prices—and hence, not arbitrary ones set of equilibrium prices—the only one guaranteeing the consistency 'The conditions of equality between supply and demand determine a and demand of not only consumer goods but also of producer goods. the central planning office to obtain an equilibrium price structure. but such as are objectively determined by the whole set of complex On these assumptions, price is the single determinant of the supply

seems to be less clear than his article. ² Economic Journal, 6/1933. Dickinson's book, Economics of Socialism (1939),

⁴ B.g. C. Landauer, *Planwirtschaft und Verkehrswirtschaft*, 1927, B. Heinemann, Sozialistische Wirtschafts- und Arbeitsordnung, 1932; H. Zassenhaus, 'Ueber die Oekonomische Theorie der Planwirtschaft', Zeitschrift fuer Nationaloekonomie,

In this summary of Lange's views I have omitted the problem of the criteria for establishing objectives of the central planning organ and the definition of the optimum allocation of available factors (for the latter we must have a standard of evaluation). These interconnected difficulties, long the intensive subject of welfare economics, are related to the principle of consumer's sovereignty—which amounts to the adaptation of the composition of production to consumer preferences expressed as effective demand. Lange, at first, included this principle in the foundations of his socialist system. Later, expanding his theory, he showed that the procedure for achieving price equilibrium by the use of successive approximations can also be applied when production is adjusted not to consumer preference scales but to a specific scale of preferences set by central

able, at least as well as capitalism, to achieve what is described as the are decisive than when the consumer is 'sovereign'. Such an abandontendency) when the specific preferences of the central planning body ginal rates of substitution does not correspond to any economic itself.² Obviously this idealized picture of the equalization of marthe alternative that is sacrificed, we shall have completely achieved commodity is produced unless its importance is greater than that of thus: 'If we so order the economic activity of the society that no conditions will tend towards the situation which Lerner describes the abstract it is possible to agree that the economy in the assumed optimum allocation can be achieved in line with those preferences. In tion of Lange's model. He tries to show that the socialist system is ment of reality, it seems to me, is related to the extreme decentralizareality. It is, however, further removed from reality (even as a the ideal that the economic calculation of a socialist state sets before ference scales are assumed, it is possible to say that by trial and error Theoretically this thesis arouses few outcries, for when given pre-

optimum in the conceptual apparatus of 'welfare economics'. He points out that it can, perhaps, do it even better, thanks to the accurate information in planners' hands concerning the situation in the entire economy. In Lange's model the central planning board differs from the market only in that it prescribes the rate of accumulation and puts into practice the principles of income distribution. In all its other functions in accordance with the rules established for managers it merely replaces the market. The suitability of this model is more for controlling output under pressure from direct reactions of the 'sovereign consumer' than for controlling output under the influence of separate overall social preferences. Hence doubts arise as to the universal applicability of the theory.

argument but by concentrating on questioning the possibility of organizing quasi-competitive conditions without private ownership. show the baselessness of the assertions of Mises, Hayet, Robbins, etc., of how far practically it is possible for the central planning authority decisions. Another general set of criticisms hinges on the question of the director of production who is obviously not in a position to the state of official entrepreneur dilemma with regard to the position Oskar Lange and Dickinson,² not by opposing their general line of often on a completely different basis. Hayek, for example, attacks peating old arguments, attempting instead to put forth new ones went unchallenged. However, their opponents refrained from rethat rational economic calculation under socialism was impossible. pants in the discussions which led to the competitive solution was to reaction to changed conditions). to fulfil the role of the market (this is a question of the speed of bear actual material responsibility for the consequences of his ferences; the question of incentives for lowering costs of production; This does not mean that Lange's and Lerner's articles of that period independent productive units where there are strong central pre-The weakest points he uncovers are the difficulty of separating The most noteworthy achievement of Lange and the other partici-

It is not my intention to minimize the importance of such criticisms.

Practice has shown no simple solutions to the marginal autonomy of the enterprise from the centre, no greater results have been obtained for the problems of criteria, incentives, and managerial responsibility. By the light of experience we would certainly be more cautious in judging Hayek's arguments than, for example, Schumpeter. The

¹ Some of the ideas in this section have been developed in chapter 4, especially in the discussion of the criteria to be employed in the choice of investments and their relation to the law of value.

² F. A. Hayek, 'Sozialistische Wirtschaftsrechnung', 3—'Wiedereinfuehrung des Wettbewerbs' in *Individualismus und Wirtschaftliche Ordnung* (Erlenbach-Zürich, 1952).

¹ Lange correctly distinguishes between consumer's sovereignty and freedom of choice in the market for consumer goods. But freedom of choice in the finance for consumer goods does not imply that production is actually guided by the choices of the consumers. One may well imagine a system in which production and allocation of resources are guided by a preference scale fixed by the Central Planning Board while the market prices are used to distribute the consumer goods produced. In such a system there is freedom of choice in consumption, but the consumers have no influence whatsoever on the decisions of the managers of production and productive resources (O. Lange and F. Taylor, On the Economic Theory of Socialism, pp. 95–6). It is quite clear, in this case, that the price structures of marketed consumer goods and the prices paid to the producers (and hence the price structure of producer goods) must be separated from one another, e.g. by a system of taxes and subsidies.

³A. P. Lerner, 'Statics and Dynamics in Socialist Economies', *Economic Journal*, 1957, 47, p. 253.

state capitalism. capitalism constitutes a basic material precondition for socialism; of other contemporary socialist countries which have had insufficient of capitalism in Poland. (In this, Poland is not unlike the majority production—is among the negative results of the underdevelopment satisfactory managers—a group mandated by society to manage corporate managers. On the other hand the difficulty in developing solution. As evidence of the possibility he points to the behaviour of on the basis of arguments put by the advocate of the 'competitive' the more so in the setting of the development of various forms of prises). It is unquestionable that the high degree of separation of the (or poor) experience in operating state-owned or corporate enterlatter replies affirmatively to the question 'can socialism function?' function of management from ownership visible in contemporary

careful in his formulations, writes that 'it must be conceded, too, socialism to purely political criticism concerning the relationship nessed by their later shift from proofs of the economic inefficiency of Mises were aware of the insignificance of these arguments is witseen by Hayek may cause some difficulties, they form no insuperable been found inadequate to sustain.2 No more need be added to this. tactical manoeuvre, to bolster a cause which Mises's theories have the conditions necessary for this end are fulfilled.) That Hayek and this issue [planning and freedom] sometimes has the appearance of a that the emphasis that the critics of socialism have lately placed on between planning and individual freedom. Bergson, generally very barriers to ensuring economic effectiveness. (It is also assumed that Independently of actual present situations where the obstacles fore-

socialist economy as it emerged during the inter-war years in the Soviet Union. Included in this group are Maurice Dobb, Paul solution' to consideration of criticisms of our theme from those whose positions we could constitute as the 'left'. These are the portance we shall pass now from consideration of the 'competitive Western Marxist economists who base their positions on the planned Baran, Paul Sweezy, and Charles Bettelheim. Although they were Leaving aside many other notes and comments of varying im-

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return later to some problems raised by the other two of the quartet. not entirely in agreement with each other, I will concentrate on one, Lange. In part I also want to take up an article by Baran and to Dobb, who immediately and vigorously took up the cudgels against

of capitalism on the basis of the social ownership of the means of More than that, regarding the mechanism, it is at best an imitation tive solution' derive from a fear that such a model does not make it On Economic Theory and Socialism. His doubts about the 'competiviews mistaken. This point is emphasized in one of the footnotes in organization of the Soviet economy, he later declared his previous influence of the changes which had taken place in planning and possible to show the superiority of the planned socialist economy. development of the Soviet economy, Maurice Dobb⁶ was very close to the views of Dickinson and Lange. However, evidently under the At the time of NEP when he wrote his first book devoted to the

distinguish it from the model of a capitalist economy. their model contains two assumptions of cardinal importance which In reply advocates of the 'competitive solution' might state that

cyclical movements in the process of reproduction; same time, this means the elimination of one of the chief causes of ences, and hence that it guarantees the optimum growth rate. At the the central planning authority on the basis of general social prefer-1. the assumption that the rate of accumulation is determined by

impossible to achieve in capitalism. economic stimulation. This is a basic condition for the socially structure of consumer demand). As with the above this is also rational allocation of factors by the market mechanism (a proper the principles of income distribution—principles based on justice and 2. the assumption that the central planning authority determines

especially in the transition period when certain sacrifices in producand distribution of national income. (This is a very basic problem with efforts to transform the socio-economic foundations of output tioned on the grounds that an ideal allocation of factors conflicts observing the other principles which had been adopted for the sistencies. Of these the most noticeable is the extent to which it was functioning of the economy. For example, the model can be quespossible to achieve general social preferences while simultaneously to criticisms that their proposed model contained internal inconeconomic structure and to achieve a more rapid long-term growth tion may be required of society in order to transform the socio-However, the advocates of the 'competitive solution' did not reply

entitled 'The Human Element'. ¹ J. Schumpeter, Capitalism, Socialism and Democracy (London, 1957), chapter

A. Bergson, Socialist Economics, pp. 412-3.

⁽London, 1955); see also Soviet Economic Development since 1917 (London, 1948). A number of his articles were published in On Economic Theory and Socialism

in vol. 2 of A Survey of Contemporary Economics, edited by Bernard Haley, 1952.

4 Paul Sweezy, 'Socialism', Economic Handbook Series (New York, 1949).

4 Ch. Bettelheim, Les problèmes théoriques et pratiques de la planification * P. Baran, 'National Economic Planning', Part 3, 'Planning under Socialism

⁽Paris, 1946).

¹ M. Dobb, Russian Economic Development (London, 1928).

rate.) Even apart from this special situation it is doubtful whether that given period is also capable of guaranteeing the postulated growth mechanism which guarantees the 'ideal' allocation of means in any

subsequently made more concrete by examples.2 offers many of the criticisms of Lange's model. Put forward as a series of articles on economic calculation in socialism1 they were It is on this plane, that of general economic equilibrium, that Dobb

interest previously assumed. which makes it impossible to achieve equilibrium at the rate of pensity to invest. Built into the system there is a cumulative process of the production of consumer goods and hence the greater the proequal to the difference between the price of consumer goods and their establish simultaneously the investment rate and use any 'equilibrium emphasize his main idea. He feels that it may prove impossible to cost of production. The greater the rate of investment I/Y (where I is may assume that the magnitude of funds available for investment is levels and to allocate funds among users. Simplifying somewhat, we investment and Y is national income), the greater is the profitability interest rate' to reduce the demand for investment funds to desired Here, rather then repeat Dobb's argument, I would merely like to

are deficits. However, to Dobb, this procedure is very complicated especially since it may be necessary to differentiate the approach for in the investment rate or by the introduction of subsidies when there are unable to appreciate society's point of view in assessing the authority and thereby to ensure realization of social preferences? ment indirectly and to allocate the funds directly through the central would it not be better to abandon attempts at influencing managebalancing are complicated and fraught with the probability of error, funds is not automatically equalized, and if special methods of different branches. Thus, if the demand and supply of investment turnover) which will limit excessive profits resulting from an increase allowances for the time factor. (The types of decisions which come up merits of a decision and they are incapable of making the proper holding that individual enterprises are too limited in their scope; they Dobb argues further against decentralizing investment decisions by prises, the number of units in each branch, and their location.) He investment goods (1) and in capital which produces consumer goods between departments 1 and 2—investments in capital which produces for special mention are those dealing with the division of investments (2). Within each of them he alludes to decisions about scale of enter-This difficulty can be overcome by the introduction of a tax (or

can be applied to a long-term rate of interest given a considerable co-ordinated calculations for the whole complex of investments, and in this shows a special lack of faith that the trial and error procedure favours centralizing decision-making because of the need to make time-lag between the decision and its effect.

decisions, decisions concerning current problems of production can under certain circumstances be decentralized.1 In the article of 1939 Dobb points out that unlike investment

of output from a given plant) might still be settled according to Dr. the intensity of utilization of plant, and as much adaptation to unquestions could be decentralized; i.e., day-to-day decisions about operating cost) with price. This would mean that 'short period' Lange's and Mr. Lerner's rule; i.e., of equating M.O.C. (marginal finally sanctioned) centrally, questions of class 1 above (the volume Even if all questions of investment were decided (or had to be foreseen circumstances as would be possible . . .

come. It is apparent how his view corresponds to the trends of even further in the direction of centralization. Briefly his arguments Concerning Economic Calculation in a Socialist Economy? he goes in an article published in 1953 entitled 'Review of the Discussion development in the Soviet system of planning at that time. 2 Moreover izing day-to-day decisions but ultimately, he feels, they can be over-Admittedly Dobb indicates a number of difficulties in decentral-

- sumer's sovereignty. However, the unconditional adoption of this consumption, and c. a factor recently of increasing importance, the assumption is incorrect (though important, the consumers' desires simple conventional origin of some needs ('keeping up with the necessity of earmarking a certain amount of income for communal are neither the only nor the most important factors) because of a. the frequently irrational behaviour of consumers on the market, b. the 1. A decentralized model involves recognizing the principle of con-
- impossible. On the other hand, such an argument depends on the plicated alternatives which in practice makes rational procedure with the problem of choosing among an enormous number of comtrating all decisions in the hands of the central authority confronts it the number of possible alternatives involved be lessened. Concenmechanism is largely based on the premise that only in this way can 2. The justification for using a decentralized decision-making

¹ M. Dobb, On Economic Theory and Socialism (London, 1955), pp. 34-41.

^a Ibid., 'A Note on Saving and Investment in a Socialist Economy', pp. 41-55

¹ M. Dobb, On Economic Theory and Socialism, pp. 102-3.

^a M. Dobb, Soviet Economic Development, p. 378. ^a M. Dobb, On Economic Theory and Socialism, pp. 104–70

commodity into mass production at all and producing it on a very price ... The practical consequence will be that no intermediate price level and then highly elastic within the neighbourhood of that socialism. ('Where there are no large inequalities of income, the large scale indeed'.)1 position may be practicable for planning between not putting the market demand for a thing is likely to be negligible above a certain durable consumer goods as a result of equalizing incomes under capital and consumer goods; d. sudden spurts in the demand for production; c. complementarity in the supplies and demands of both among other things, to the increased specialization of the factors of b. the relative stability of technical coefficients of production, due, some causes of 'discontinuity'. a. the appearance of bottle-necks; allocation patterns from which the planner can choose', and he lists tinuities can frequently reduce the number 'of alternative positions or absolute, i.e. the function is continuous. In reality, however, disconnumber of possible choices is infinite, while the ability of resources is assumption of the classical theory of equilibrium in which the

of rationally resolving. Rather it faces a comparatively small number of major problems, and these few can be most rationally dealt with divisibilities and fixed coefficients. Attempting to cope with such choice among few technological alternatives involving large inliterature on socialist economics.'2 perplexities, the Board would look in vain for guidance to the adjustments to small changes—the main pre-requisite analysis—but countries alike, the problem facing the Board would be not slow who denies that the discussion of the optimum allocation in socialism sidered. This facet of the problem is sharply stressed by Paul Baran, centrally, because the interests of the entire economy can be conconfront a plethora of relatively minor problems which it is incapable has any theoretical value at all. 'In the advanced and backward The significance of this is that the central planning body does not

such valuable elements of a planned socialist economy as the extremely limited application. In that area it threatens to eliminate sense, intended in 'welfare economics'. In fact, literally interpreted, outlays, and of direct co-ordination of decisions. general social point of view, of a high concentration of investment and Hayek had the virtue of making it possible to oppose basic capitalism. The adoption of the frame of reference dictated by Mises attain automatically optimality in the refined, if somewhat unreal possibility of determining the effectiveness of investment from a market process of achieving equilibrium by trial and error has an utilizing the potential elements in socialism which make it superior to Lange's model does not provide the most favourable conditions for relief the weaknesses of a model which assumes that it is possible to practical solutions. Especially for investment, the market or quasi-Theoretical criticisms but was less favourable to the development of The tremendous import of these condensed arguments is to put in

eliminated by adopting some of the elements of the decentralized model. At this point I would like to give some important examples. of one's opponent. If we accept most of Dobb's argument, it is discussion should resemble a duel in which the only aim is the defeat impossible not to notice some basic weaknesses which can only be petitive solution' prompts the philosophical reflection that no The argument between the critics and advocates of the 'com-

ordinated. And if, even to a limited extent, some decentralization even of investment decisions is necessary, a price structure becomes achieved those overriding priorities to which all else was subcentralization of decision-making, especially when the economy has of restitution investments and in smaller, secondary investments. an indispensable instrument of proper allocation. tion processes and this is related in turn to the proper organization Here it is difficult to expect an appropriate solution with strict 1. We confront difficulties in ensuring a uniformity of reproduc-

number is so limited that no difficulties are created for the central natives (especially for key problems) one cannot agree that the actual 2. Although it is difficult to assume an infinite number of alter-

economic planning, the transitional period would be accordingly shorter and words—developmental requirements loomed less large in the early stages "autonomous programme" was small from the very beginning, where—in other within the Board's relevant "priority classes"... It goes without saying that most of these problems [the limitation of the effect of consumer preference on ^a P. Baran, National Economic Planning, p. 385. On the other hand, Baran adds: 'At the peril of some oversimplification it may be said that the Board its "priority classes"—in other words—increase the area of the Board's inproduction] disappear or lose much of their urgency as soon as the Board's would permit consumer's preference to determine the composition of output difference with respect to the allocation of resources. Where the Board's autonomous programme has accomplished its purpose ... Loosening the Board's priorities schedules, this development would, at the same time, widen

ization exclusively with 'the area of the Board's indifference' without perceiving in fact both types of problem are always interconnected, although not always countries alike'. The sequential division would seem to be somewhat mechanical: of the problem with which the Board is faced 'in advanced and backward truth in them, cannot be entirely reconciled with the description (cited above) simpler' (ibid., pp. 386-7). These assertions, although there is a great deal of to the same degree. Finally, Baran seems to connect the possibility of decentraldecentralized decisions the possibility of realizing general social preferences from a given system of

satisfy the desired supply structure at the lowest cost.1 sumer needs but also of the choice of productive techniques used to cannot be solved effectively at the centre. This holds not only for problems of adopting the supply structure to the structure of con-Practice indicates an enormous number of daily problems which

made by the central planning board. advantages than a system in which the necessary corrections must be direct change is one in which changes in the price structure improve considerations. First, ex ante decisions are not necessarily synonydecisions are neither always possible nor always correct. If either of profitability and thereby leads to an increased supply. Second, ex ante adjustments as opposed to those made ex post, he overlooks two these is the case a decentralized mechanism of adjustment yields more mous with direct decisions (obligatory planned targets). Such a non-3. Although Dobb rightly stresses the advantages of ex ante

making the optimum decision. Problems of decision-making, the instruments and a study of the respective spheres of decentralized an examination of the part played by prices and other economic efficiency of enterprises from society's point of view, and of incenversus centralized decision-making is absolutely indispensable. tives, are neglected. This is so, even though for management purposes that the whole problem of management in socialism is reduced to 4. In all Dobb's arguments there seems to be the tacit assumption

to indicate that the problem is far more complicated than either of problems to which the entire book is devoted. My concern is merely manifests, Oskar Lange is far from overrating the possibility that a lined here recognize these complexities. As much of his present work both representatives of Marxist thought whose views have been outthe alternative presentations examined hitherto. Moreover, today In these few remarks I do not claim to have the answer for those

and the problem of equalizing marginal rates of substitution (not, obviously, in or the other of these materials. In this sense substitution is practically unlimited, steel for the production of good A and aluminium for the production of good B) of steel and the use of aluminium (i.e. when it is technologically necessary to use Produkcji (Theory of Production), Warsaw-Lódz, 1947, p. 354.) In this case to assume that the coefficients are stable is less than agreed upon of production can be altered, among other things, by changes in relative prices of the price structure is undoubted. On the other hand, the technical coefficients textbook form) appears in a new light. From this point of view the importance in the sense of establishing the relative efficiency of economizing in the use of one there always exists a practical problem of the choice between steel and aluminium possibilities of reducing outlays. Even when there is no choice between the use understood in a broader economic sense, e.g. as the choice between alternative in its limited sense as the technical substitutability of factors. It can also be (Edward Taylor has drawn attention to this, though in a different context. Teoria ¹ It should be noted that both Dobb and Baran seem to understand substitution

> and it is with considerable satisfaction that we note them. disappeared. However, the signs of a growing agreement are there economy. That is not to imply that all differences of opinions have ever with the problems of the law of value and prices in a socialist in his criticism of decentralized projects1 and is more concerned than ical discussions. He has recognized that he was, perhaps, too severe view of the experiences of a planned economy and of recent theoretregard to investment. Maurice Dobb has also adjusted his stand in socialist economy could function automatically, especially with

and Organization in Eastern Europe' organized by the University of assumptions on which it ought to be based. An illustration is the lation in a socialist economy. At most, it is interested in the usefulness we must, at least, allude to the fact that post-war non-Marxist calculation applied and the lines of discussion followed in socialist positions, they are all interested in the examination of the methods of California at Berkeley in June, 1958.2 Not one of the papers presented international symposium on the subject of 'Economic Calculation of applying one form or another of this calculation and with the literature is very little concerned with the question of economic calcuthere dealt with the Mises-Hayek problems, although, from different Jumping forward in time from the inter-war period to the present

countries and from the changes which have led to an increase in the socialism's supporters, I would like also to indicate that we are faced whole intent, in noting this, to rouse a sense of satisfaction among us economic role of the state in some capitalist countries. It is not my issue from the eloquence of the economic experience of the socialist study Western writings on economic planning, especially since we with a new situation. More now than ever, it is necessary for us to socialist economy which we did not deal with hitherto. have become concerned with many problems of the functioning of a The reasons for this shift of emphasis are not difficult to find. They

Soviet economic discussions in the 1920s and the functioning of a socialist economy

contribution to the solution of the problems of the functioning of a For obvious reasons one would expect to find the most important

and on a price system'), specially written for the Polish edition of M. Dobb's systemic cen' ('Remarks on the role of the law of value in a socialist economy the discussion about price policy, Soviet Studies, vol. no. 2. book On Economic Theory and Socialism, pp. 452-68. See also 'A comment on ¹ See his article 'Uwagi o roli prawa wartości w gospodarce socjalistycznej

University of California Press (Berkeley and Los Angeles, 1960) ² The papers were published in Value and Plan, edited by Gregory Grossman

appraisal of the literature as a closer study of archives progresses. analysis concerning the past. Shortly we would expect a fuller economic theory of socialism. From these circumstances arise the reservations we must make, initially, regarding the fairness of the tant and unusually interesting period in the history of the Marxist moment we are still in the early stages of reconstructing this imporseem to indicate that the situation will improve gradually, but for the reference was ever made to them in current publications. True, signs recently) to gain access to works published in the period, and little economy. Yet much remains to be accomplished before it will be tory' and obtain first-hand experience in the working of a planned October Revolution, they were able to work in a marvellous 'laborain the 1920s and early 1930s. It has been difficult (at least, until possible to appraise fully the economic discussions which took place socialist economy being made by Soviet economists. As a result of the

condemnation and was final in any controversy. of opinion, originality, and factual argument. This is in contrast to as they were, the discussions were characterized by a great freedom the later period when a political argument was used as a proof of the university faculties and economic institutions.) Politically sharp termed Communist to distinguish them from bourgeois economists in thinking of the work of Marxist economists at the time universally did not try to avoid the political consequences of a theoretical posicussed and the acerbity of subsequent exchanges. The latter not only exceptions are the scholastic discussions on the works of Rubin.) contain materials of prime importance. Apart from that, even in the and official economic actions. Party and state documents frequently tion but were aimed at laying them bare. (It is obvious that I am Deep involvement is witnessed both by the choice of questions dispressing problems of actually building socialism. (Among the few found not only in academic but also frequently in political practice best theoretical writings, we sense a close connection with the The studies and results of discussions during this period are to be

socialism was inseparably linked with the unfolding of a system of tion, was dominated by the conviction that the progress of building Communist economic thinking, especially just following the Revolucommodity economy and between every form of plan and market. difficult to oppose. Among these untested assumptions was the one which held that there was a contradiction between socialism and a were reached without certain a priori assertions which were rather In the foregoing it is not meant to imply that disputants' positions

practical attempts were made to solve the mountain. of complex labour to simple labour 1 receive the problem of direct calculation in labour units by the so-called reduction method (the reduction of complex labour to simple labour). Here, too, can be found the shortly after the Civil War, as a process of eliminating money. As point in the programme of the Russian Communist Party.² such, it is a concept which seemed to agree with the corresponding roots of the early attempts to treat hyper-inflation, during and

ning were important both in economic policy and in theoretical work. Analyses of market processes and the resultant conclusions for plancommodity economy (khozraschot), in the socialist sector itself. and countryside and of the effects induced by the revival of a moneyarose for a theoretical study of the role of market links between town in which the theoreticians worked were slightly altered. The need With the transition to the New Economic Policy the circumstances

as a special kind of planning mechanism. The system of physical allocation 'war communism' was no longer generally treated as an economic synonym for paradise, lost. formed itself among some circles into the conception of the market relationships came when the idea of their mutual negation trans-The first signs of change in Marxist views toward market-plan

compulsory mobilization of labour, allowing no freedom of movement for workers in their jobs, rationing, etc.3 to a reversal to such unpopular and ineffective economic methods as importance of using value forms. Failure to employ them would lead Pashukanis, a prominent lawyer and economist, emphasized the In the discussion aroused by Preobrazhenski's book (cf. infra)

Commissar for Finance he wrote:4 played by money. As a specialist in monetary policy and long-time G. Sokolnikov makes some interesting comments on the part to be

on the market is absolutely necessary for the small (commodity) coercion which existed during the Civil War? I think so. Trying to producer. To what degree is it indispensable for the worker, and market for everyone who possesses it . . . This freedom of choice By itself money bears a certain right to choose goods on the were we correct in going over to this form of freedom from

⁸ Vestnik Kommunisitcheskoi Akademii, no. 14, 1926.

period, e.g. Na planovom frontie (Moscow, 1958), a collection of Strumilin's Another sign is to be found in the republication of several works from this

¹ See, for example, E. Varga, 'Reckoning of the Value of Production in a Moneyless Economy', Ekonomicheskaya Zhizn, no. 259, 1920, which provoked much discussion.

Dobb in Soviet Economic Development since 1917, pp. 121-2. ² See above, pp. 15-16. Some typical statements on this subject are quoted by

rekhodnuyu epokhu', Sotsialisticheskoye Khozyaistvo, no. 5, 1925. 4G. Sokolnikov, 'O korennykh voprosakh denezhnovo obrashchenya v pe-

organize the economy so much that the consumption of each manner—a much more complicated manner—through wages and The regulation of consumption must be carried out in a different incorrect task and, for the present, one which is quite unfeasible. human unit is regulated compulsorily is to set oneself an essentially price policies, etc.

I. Smilga puts the problem even more generally:

operation of the law of value, constrained by a series of specific no less than an attempt to reopen the problem of plan and market, a machine gun which serves the man who fires it. To attempt to orders issued by the state . . . The law of value can be compared to mum of outlay. In theoretical terms it means the restoration of the management in order to obtain the maximum effect for the mini-What does the principle of khozraschot mean? It means economic which has already been settled in practice in the conditions of the treat the law of value and planning as mutually exclusive factors is New Economic Policy.

economic motives and stressing the need to preserve marked attempts to give a general description of socialist economy based on measures² in Soviet literature of this time, but there are even Not only can there be found opposition to using administrative

equilibrium in planning.

communism, wrote:5 supporting the physical allocation used under war communism, Lev emphasizing the market as an instrument of a planned economy limit of the old guard Marxist economists stubbornly clung to this view mentation cited above. At any rate some of the chief representatives economy? Perhaps, the last alternative is best supported by the docuthemselves only to the multi sectoral (public and private) transitional look to the socialist economy in general. Did those who were whether, and to what degree even these writers extended their out-Kritzman, the author of a comprehensive monograph on war On the basis of the fragmentary materials available it is hard to say

¹ Smilga, 'Piat let NEPa', Planovoye Khozyaistvo, no. 2, 1926

no means the best, A. Mendelson, 'Planirovaniye promyshlennosti', *Planovoye* Khozyaistvo no. 3, 1926.

such that by the exclusive pursuit of its own advantage it will fulfil the will of the economy as a whole. Y. Repshe, 'Nashi ekonomicheskiye problemy', Planovove Khozyaistvo, no. 2, 1926.

1 Novozhilov, 'Niedostatek towarov', Vestnik Finansov, no. 2, 1926. ⁸ Every economic organization ought to find itself in an economic environment

§ L. Kritzman, Geroicheskiy period Velikoy Russkoy Rewolustii. Opyt analiza tak nazyvayemogo voennogo kommunizma, 2nd ed., 1926, p. 177.

and its lack of purity, it was an anticipation of the future, a transmade by some people or a class. Rather despite certain distortions steps in the transition to socialism. In essence it was not a mistake letarian economy run in physical terms, the experience of the first War communism was the first large-scale experience of a probelongs to the past). formation of the future into the past (a present which already

first president of the Gosplan:1 The situation was also clearly expressed by Kzhyshanovski, the

intention to create such an outline . . . the transition to free turnmoneyless economy? It is easy to show that there was a clear Was it intended under war communism to create the outline of a over of commodities and to a more or less explicit money economy .. constitutes a tactical retreat.

great difficulty. of the economy did make some headway, it did so only with very a new socialist-type market as an important element in the operation reasons for the appearance of the money-commodity relation were to they were used were at their apex, it was still strongly held that the area covered by money-commodity relations and the degree to which be found outside that socialist economy itself and that the 'market' was a synonym for 'spontaneity'. And, although the development of Thus, one can say that even in the middle of the 1920s when the

operation, anti-market views decisively won the upper hand. In practice, all theoretical 'concessions' in this sphere were sharply conclearly identified with spontaneity. A 1930 article by Strumilin dealt administrative methods of operation, and the market was just as demned as everywhere 'planned economy' because equal to direct with this relation between plan and market in the NEP.2 Towards the end of the 1920s, as the first five-year plan went into

economy more and more fully, gradually but quite consistently to By opening up a certain area for the operation of spontaneous entirely replaced by planning. limit the spontaneity of the market until this element had been intentions. It was intended, as it became possible to plan the New Economic Policy had serious and long-term, but no permanent market relations in the name of peace with the countryside, the

va', Planovoye Khozuaistvo, no. 1, 1926. ¹G. Kzhyshanovski, 'K voprosu ob ideologii sotzialisticheskogo stroitelst-

²S. Strumilin, 'Pervye opyty perspektivnovo plainrovanya' in his book *Na planovom fronte*, p. 247, (italics are in the original).

46 A survey of the history of the problem

the development of socialism. spontaneous element hindering the planning activity of the state and prises did. To this extent it is fair to say that the market was a trived to adapt itself to the market better than the socialized entermust be remembered that their negative attitude towards markets found in the fact that the private sector (including capitalists) conthe practical causes of this attitude towards the market are to be line of thinking which appeared on the theoretical front. Generally, derived from practical conditions of that period as well as a particular In dissecting the theoretical views of these Soviet economists, it

of Petrograd during 1920.1 national economy without a market in his lectures at the University later an emigrant, who tried to prove the impossibility of having a way different from those of Mises were expressed by Boris Brutzkus, bourgeois economics came out in defence of the market; views in no At the same time, in the theoretical realm, representatives of

the fulfilment of those tasks. The stand of this group of economists received a good deal of attention from Strumilin in an article presidium and committees of the Gosplan): referred to above. Thus, he quotes the following statements of market conditions must be the most essential element for assessing and a planned economy, advocated an NEP-form of market as an Bazarov from archival material (protocols of the meetings of the determining the aims of the plan, and they held that changes in that market phenomena must be treated as the starting point for indispensable component of any planning system. Further, they held Another group of economists, while accepting the Soviet system

ditions allows the creation of an automatic control of all operations, Basic assumptions of NEP, i.e. the existence of a market and khozraschot constitutes the basis of all possible planning, inbranch of the economy and of each enterprise individually. an automatic meter, showing the results of the operation of each work. But that is not enough: only the market in the present con-Historical experience shows a healthy interest in the result of his dependently of whether a world revolution takes place or not.

von Mises, Die Gemeinwirtschaft, although the author of this article had no economy socialism in the well-known book by the Viennese professor, Ludwig ideas of my lectures are the same as those to be found in the critique of naturalhe published an article entitled 'Plan i rynek w Rosji Sowieckiej' (Plan and market in Soviet Russia) where he describes these lectures as follows: 'The basic ¹ These lectures were later included as part 2 of a book by Brutzkus, Economic Planning in Soviet Russia. (London, 1935). In 1937, in the Warsaw Economist, access to Western literature as he was living in Russia' (Ekonomista, 4, 1937)

> reservedly to Bazarov's views.1 Groman and Kondratiev, as Strumilin writes, subscribed un-

a commensurate view of economic phenomena. plan, even if only because, otherwise, we lose all possibility of and prices, undoubtedly, constitute a basis for formulating the to the plan, but constitutes one of its foundations. The market tocol) that the existence of the NEP is not only not contradictory I agree with Bazarov's thesis (says Kondratiev in the same pro-

g current and predicted market situation. Hence they seemed to advocate a sui generis supremacy of the market over the plan. tion of the tasks of the plan and the forms of its fulfilment to the article that they made a fetish of the market, proposing the adaptafication of ideological campaigns in economics. It appears from his article was written in 1930, hence in the period when there had just each of their statements. This may be especially needed as Strumilin's been a transition to centralist forms of planning and marked intensito undertake a more extensive study of the content and context of Obviously it is difficult to judge these views without being able

disagreement with this approach to the plan-market problem does real interrelations appearing in a socialist economy are inverted, but quences in the form of unused enterprises, unemployment, etc.22 The will cause over-production and market crises, with all its conseassertion should be recognized as basic, since all departures from it section of the Gosplan, also manifest this clearly. 'The production the population for products, but to their ability to pay ... This plan should correspond not to the theoretical needs of the state and denied that it was possible to reconcile socialism with the market.3 not necessitate adopting the conclusion drawn by Strumilin when he The statements of Kalinnikov, the then director of the industrial

planning, we would have to pay too high a price—it would mean relinquishing socialism as a system, since it is incompatible with In accepting the market as an indispensable basis for all possible

hence the forms of its operation); it dealt chiefly with the content of economy of that time. True, it was not mainly concerned with the dispute about the main regulator of economic processes in the Soviet theoretical discussions of this period. This was the long, passionate problems of the mechanism of the functioning of the economy (and Our subject demands consideration of yet another aspect of the

¹ S. Strumilin, Na planovom fronte, pp. 253-4 (his italics).

² Ibid., p. 257.

since it so closely relates to the theory of socialism. directly this particular dispute is very important to our undertaking type of output and between savings and investment. However, inmacro-economic magnitudes such as major sectoral growth rate and planning and with the character of its proportion between various

opposition within the communist party; Preobrazhenski was one of during the discussion views very similar to his were expressed by Communist Academy over that chapter dealing with the law of value in a socialist economy. Although, Bukharin did not actually take part ekonomika1 containing a number of theses which were attacked by right-wing opposition. tant Marxist economic theorists for the contending wings of the many of the participants.3 Thus Preobrazhenski and Bukharin may Bukharin.² The dispute culminated in the several-day debate in the feeling is reinforced by their respective positions as the most imporbe considered the main protagonists in the great debate, and this in the verbal struggle, an article of his was read as a co-report and Irotski's chief representatives, while Bukharin was the leader of the The core of the debate was a book by Preobrazhenski Novaya

them and the influence of the state on the exchange processes. Among analyses of commodity trade and the experiences of the contempornature and structure of foreign trade etc.), we note the attempt to ary Soviet economy are particularly important. Here our chief source others Preobrazhenski differentiates: is Preobrazhenski's book and the summary of the discussion in the differentiate markets on the basis of the types of parties dealing on USSR of that time (the relative magnitude of private trade, the Communist Academy. Leaving aside problems particular to the In relating our discussion to the problem of a socialist model the

chased from private producers and retailers. extent which varies directly with the number of wage-goods purvalue operates exclusively through the labour force and then to an forms of commodity exchange make their appearance and the law of 1.) Turnover between state enterprises, where, he feels, only the

but not as a monopoly seller (mainly where manufactured goods are 2.) Turnover in which the state appears as a monopoly producer,

considerably influenced by incomes from private holdings. Thus, it determines prices, but which must reckon with a structure of demand, sold in the countryside). This sphere is controlled by the state, which processes and the law of value, which retains a certain influence. forms a 'field of battle' between the new laws regulating economic

mum-dictated by profitability.) founded on new economic laws policy can only operate within this Here the direction of influence is contrary to previous cases since the framework. (The maximum price—the world market price, the minibasic price ratios are established by the law of value, and state price This case applies mainly to the purchase of agricultural raw materials. requently along with other purchasers and hence not as monopolist) 3. Turnover in which the state appears as a purchaser (most

of output) in production (e.g. the automatic rise in output where between demand and supply by price policies. However, price should not necessarily affect the distribution of labour (and hence the pattern price exceeds value.) population). Preobrazhenski feels that the operation of the law of value is manifested through the necessity of maintaining equilibrium (4.) Retail turnover in consumer goods (mainly sales to the urban

different ways depending on the sphere of turnover. Preobrazstrength of the operation of the law of value, in itself, indicates his tent. There is an attempt here to interpret Lenin's thesis that the economy of that time is commodity exchange in its economic conattempts to avoid a schematic reply to whether exchange in the Soviet condition of socialist production relations. Directly put:1 standpoint with regard to the question of commodity turnover in the of an absolute monetary value by virtue of the direct and indirect labour henski's division of markets into different spheres according to the input); hence products are part of a process which proceeds in product of a socialist factory is ceasing to be a commodity (possessed Preobrazhenski's market morphology is striking because he

means the result of immanent laws of development and the structure of the state's economy itself. Market relations are here Market relations within the area of state property are by no form of its mutual relations with the private sector. formal and imposed on the state economy from without, by the

considerably weaker than state organs in resisting the law of value."2 operation of the law of value in the sphere of state ownership and in the sphere of co-operative ownership. 'The co-operative sector is It is characteristic that Preobrazhenski differentiates between the

¹ Preobrazhenski, Novaya ekonomika Opyt teoreticheskovo analiza sovietskovo

khozyaistva. Kommunistitsheskaja Akademia, Moscow, 1926, vol. 1, part 1.

N. Bukharin, 'K Voprosu o zakonomernostyakh perekhodnogo perioda. Pravda, 9. nos. 148, 150, 153, 1926. Kriticheskiye zamechanie na knigu tov. Preobrazhenskogo 'Novaya ekonomika',

³ The discussion, together with Preobrazhenski's summing up, was published verbatim in Vestnik Kommunisticheskoi Akademii, nos. 14 and 15, 1926. Among those taking part were Stetski, Mendelson, Pashukanis, Motilev, Chernomordik, Rosenberg, Bogdanov and Kritzman.

¹ E. Preobrazhenski, Clarendon Press Ed., Novaya ekonomika, p. 160 ² Vestnik Kommunisticheskoi Akademii, no. 16, 1926, p. 62.

It is not at all impossible that we have here the roots of Stalin's similar conception in Economic Problems of Socialism in the USSR. is interesting since he stated it a quarter of a century before Stalin's sphere are formal and that this character results from external factors, theoretical inspiration. His view that commodity relations within the state-dominated

strict sense. 'The sphere in which money exchange appears is not supporters (Solntsey, Kogan etc.) as concerned with at least two identical with the sphere in which the law of value operates.11 The money-commodity forms and the operation of the law of value in the because he attempted to distinguish clearly between the use of book's text and related discussion, show Preobrazhenski and his However, Preobrazhenski was more precise than Stalin, chiefly

market forms to establish these proportions, the law of value no economic categories of the economy) to the end that even if we use spontaneity, while a socialist economy demands a planned determination of proportions (between the different branches and The essential feature of the operation of the law of value

the law of value. Clearly other types of exchange relations would also especially at this period. The problem is to obtain exchange relations other proportions in the growth of individual branches of producother than those which would develop as a result of the operation of involve other proportions in the distribution of social labour and equivalence of exchange where price conforms to cost and therefore no surplus for investment is generated. And it is just this which Preobrazhenski feels cannot be tolerated in the Soviet economy, the operation of the law of value leads (or at least, tends to lead) to above all with a definite content of the proportions. In other words, specific method of achieving the proportions within the economy, but The operation of the law of value is connected not only with the

associated with Preobrazhenski's thesis on the law of primitive socialist accumulation, which is in conflict with the law of value in the role of economic regulator in the transition period. The law of primitive socialist accumulation to mail to a second the law of primitive socialist accumulation to mail to a second to the law of primitive socialist accumulation to mail to a second to the law of primitive socialist accumulation to mail to a second to the law of primitive socialist accumulation to mail to a second to the law of primitive socialist accumulation to mail to a second to the law of primitive socialist accumulation to mail to a second to the law of primitive socialist accumulation. content of the law of primitive socialist accumulation is not ground became a kind of theoretical symbol of the anti-peasant tendencies of Party of the Soviet Union, and in handbooks of political economy. It the Trotskyites. Undoubtedly, such an assessment of the political Soviet literature, in handbooks of the history of the Communist Obviously, the second problem is the most important. It is

¹ E. Preobrazhenski, op. cit., p. 158.

which the countryside participates in ensuring the needs of accumulacourse of later events is taken into account (the extent and way to tion in the USSR). In toto his argument goes as follows: at the time was decidedly over-simplified, especially if the actual less, especially given the actual conditions of the period. Nevertheless, I feel that the way in which Preobrazhenski's theory was elaborated

tions, would be too slow. It is doubtful whether the latter would have been feasible bearing in mind external conditions and the requirerequires that exchange be non-equivalent (or not in conformity) and hence contradicts the law of market exchange and sensu stricto the of different branches. To accomplish this task with relative rapidity vention. Conclusion: the law of primitive socialist accumulation of the new relations of production and thus demand special internormal market processes are not sufficient (too slow) for the triumph is to be found in the methods, but in the fact that in both cases tion, by analogy to its capitalist counterpart. Obviously, no analogy need to accelerate the process and to enable a 'supernormal' accumuments of the socialist rebuilding of the countryside. Hence there is a normal process of accumulation, corresponding to market proporrequires the accumulation of a large supply of means, because the that radical change is necessary in the prevailing relative importance development on the basis of new productive relations. This means ward countries, is the creation of the conditions for economic Preobrazhenski describes as the law of primitive socialist accumulalation concentrated in strictly delineated sectors. This process The basic problem of the socialist revolution, especially in back-

higher price than in the open market provides another instrument for economic content of exchange relations. The content constitutes a commodity forms. The main issue for him is not forms, but the exporting grain and selling manufactured goods to peasants at a sion but as a norm, a part of the pattern of the period. He openly cites conscious non-equivalence (of value and price), redistributing means redistributing income. accumulation of the monopoly of foreign trade. In Soviet conditions the behaviour of monopolies, and emphasizes the importance of in favour of socialist industrialization. It is meant not as a conces-As we can see, Preobrazhenski is not proposing to discard money-

of the period of war and revolution . . . became and remained one of with a frankness to be respected, he noted that 'the terrible poverty the elements of socialist accumulation, in the sense that in the light He credited the importance of accumulation in socialist industry, and from the countryside to industry is the sole source of accumulation. It would be incorrect to think that this redistribution of income

abolition of intensive labour, etc. advantageous/have a negative effect on the accumulative ability of socialist organization of production, which are in themselves insufficient, since, among other things, the low level of the maturaone'. Furthermore, Preobrazhenski held one source of accumulation of this recent expression, it is easier for working class itself to limit its socialist enterprises) This is a reference to the development of labour growth of labour productivity and the reduction of cost. An addition of productive forces (technological attainments) hinders the needs in the years when the task of socialist accumulation is the main protection, social services, the shortening of the working day, the tional point of interest here is the remark that some features of the

socialism and capitalism. contradiction in this transition period, the contradiction between means outside the socialist sector, mainly in the countryside. Thus versus equivalence. These are the basic indications of the main socialist accumulation versus the law of value, non-equivalence certain areas have not vanished. From this arises the thesis of two production and the operation of the law of value as a regulator in regulator, but it is not the only one since the basis for commodity proportions and structure of division of labour different from those lation, for planning in the transition period, is to create changed regulators and of the conflict between them; the law of primitive sense the law of primitive socialist accumulation is an economic Preobrazhenski feels the chief purpose of primitive socialist accumuthat derive from the unimpeded operation of market forces. In this From the preceding is derived the necessity of finding considerable

Bukharin strongly attacked this theory of two regulators together with Bogdanov, Eichenwald, Pashukanis and to some extent of general significance for the functioning of a socialist economy. mainly to the transition period, they do contain a number of elements As in the preceding discussion, although Bukharin's theses refer brochure form) Bukharin advanced his own concept of the regulator. the patterns of development in the transition period' (later in Motiley, though there was never complete agreement among them In the article mentioned above, 'A contribution to the problems of

Briefly stated his position goes as follows:

planned mechanism. In the sense of a spontaneous regulator the law replace the spontaneous regulating mechanism of the economy by a more than a mere spontaneous regulator of private commodity develops. But the law of value in its material content is something of value disappears from the scene as the socialist economic base The socialization of the means of production makes it possible to

1 *Ibid.*, p. 137

outlays). Two passages from Marx are cited in this connection, conceivable way.1 then often expressed—the law of the proportionality of social labour which later in the course of the discussion are interpreted in every law of the proportional division of labour in society (or, as it was production. It is the particular historical form taken by the general

society. However, so long as this regulation is performed not by or another, by means of the labour time which is at the disposal of possible when property is socialized) but by the movement of direct conscious control of society over its labour time (only correctly in the Deutsch-Franzoesische Jahrbuecher remains in prices of goods, then everything which you have already stated No form of society can avoid regulation of production in one way

to Kugelmann: The second passage is from the letter of 11th July 1868 from Marx

form of social production can in no way dispense with the necessity social labour are indispensable. Hence it is self-evident that a given needs, various and quantitatively determined amounts of joint in order to produce a mass of products satisfying a variety of weeks, let alone a year, would perish. Every child also knows that Every child knows that any nation which ceased to work for two manifests itself is the exchange value of these products. products the form in which proportional distribution of labour labour exists in the shape of private exchange of individual Hence in a social system where the interdependence of social after the manner in which it makes its appearance. The laws of nature cannot be done away with. In different historical conditions, only the form in which these laws appear can be changed distributing social labour in definite proportions; it can only

without the capitalist tendency to achieve equilibrium by continually spontaneous division of labour is replaced by a planned division disturbing it. But the material content which was always concealed society's labour inputs, a universal law of economic equilibrium. The law of value is transformed into a law of the proportionality of Bukharin develops his argument in the same spirit: in socialism the

on 'Capital') Warsaw, 1957, p. 148). In referring to the Deutsch-Franzoesische In this essay Engels gives a critical account of capitalist competition Jahrbuecher Marx had in mind Engels' Outline of Critique of Political Economy printed in his periodical in 1844, (See Marx and Engels, Selected Works, vol. 1). Letter to Engels, 8.1.1868, (from Marx and Engels, Listy o' Kapitale' (Letters ² Letters on 'Capital', p. 188.

of 'economic futurism' which threatens to sever vital links between competition) would be developed as the result of the operation of various spheres of the economy, (chiefly between industry and duction in individual branches and enterprises, and particularly rural exchange. It will be recalled that the latter was elevated by principle of recompensating labour outlays) Bukharin has a theorewould establish itself (post factum) if regulation was spontaneous."1 market forces. As Bukharin states the plan is 'an anticipation of what in perfect circumstances (one might say in conditions of perfect amount of indispensable labour contained in the products of this branch of enterprise in society's income is proportional to the behind the form of the law of value remains; the share of a given farms. For this reason Bukharin finds in Preobrazhenski a symptom lation. Non-equivalence endangers the normal conditions for repro-Preobrazhenski to the rank of the law of primitive socialist accumutical basis for rejecting the principle of the non-equivalence of urbanthe division of society's labour (i.e. that society ought to observe the In asserting that the plan may not disturb the proportionality of branch or enterprise. The plan anticipates these proportions, which

ditions for the existence of a society. branches, i.e. a systematic conflict with the most elementary consystematically jolting society out of balance by systematically dis-According to Preobrazhenski the proletarian plan consists in turbing the socially necessary proportions between different

exchange. One of the basic tasks of a planned economy is to guarantee equilibrium or correct proportions between branches of supply structures etc.). To ignore these broadly conceived proporproduction and, in addition, between all the spheres of economic life (industry, agriculture, production—consumption, demand and harin and other economists of his period, proponents of the laws of reproduction (including consumption). He continues with the i.e. they result from an improper juxtaposition of the elements of only in the disturbance of the foundations of economic equilibrium, 'Elements of crisis which jar the course of reproduction can be found him as the leader of the right-wing deviation, Bukharin wrote: tions spells instability. In a later article just prior to the attack on the proportionality of social outlays and hence the equivalence of following significant remark: 'the disturbance of the necessary This is a concept of extreme importance in understanding Buk-

economic interdependances has its obverse in the disturbance of political equilibrium of the country."

what we now call balanced grawth, Bazarov also focused attention on the question of balanced growth³ cerned to maintain an equilibrium in the growth process, to ensure which does not allow, say, acceleration. Rather he was chiefly contionality of labour outlays fixes immutably some rate of growth tions of an economy. He does not hold that the law of the proporand in the whole complex of conditions which determine the proporcapitalistic proportions. This is primarily because of radical changes and agriculture. This proportion (1:2) was said to correspond to the in the distribution of the national income, in the demand structure proportionality of labour outlays will differ basically from the old that the proportions established under the influence of the law of the article directed against Preobrazhenski, Bukharin clearly emphasizes optimum economic conditions of Russia." However, this accusation economy ought to preserve the pre-war proportion between industry identification of the concept of equilibrium and the law of prosimplified nature. One of the main oversimplifications was the hardly seems justified by an analysis of Bukharin's statements. In an portionality of society's labour outlays with the thesis that the Soviet we know from numerous later presentations sometimes of a rather Again we have here a clearly formulated 'theory of equilibrium

constitute the goal of the plan; determination of the condition of The economic plan ought to solve two cardinal problems which the line of transition from the present system of equilibrium to the future one.

a moving economic equilibrium. production and consumption, or in other words—the foundations of the foundations for a proper connection between different spheres of Bukharin yields a similar formulation: 4 'The task is to determine

ing the rebirth of capitalism and elements of the plan and elements of proportionality of social labour outlays, was only in its initial stage. time, the process of transforming the law of value into the law of the in many sectors the law of value still operated in its old form favour-Obviously he realized that in the mixed Soviet economy of his

¹ Pravda, no. 150, 1926

¹ N. Bukharin, 'Zametki ekonomista', Pravda, no. 228, (4080) 30.9.1928.

i prakticheskie sledstviya', Sotsialisticheskoye Khozaistvo, no. 5, 1929. ² Among those who interpreted Buhkarin's conception in this way was A. Leontiev in his article, 'Zakon trudovych zatrat, yevo metodologicheskye korni

Moscow-Leningrad, 1927. V. Bazarov, Kapitalisticheskye tsykly i vostanovitelnyi khozyaistva USRR,

Teoriya rivnovahy i Marksizm (in Ukrainian), Kharkov, 1930 4 N. Bukharin, op. cit. See also the criticism of this conception in G. Glezerman

spontaneity were continually at war with each other. Nevertheless he, unlike his principal antagonist, considered that only the form of the operation of the law of value, and not the material content concealed within it (equivalence), hindered the development of socialism. He thought that it was possible and necessary for the socialist state, founded on socialist economic sectors, to utilize the market and the law of value.

Preobrazhenski replied to Bukharin's criticisms at length in the second edition of this book and in the discussion in the Communist Academy.

He doubted whether there was any validity in the statement that the law of value is supplanted as a regulator by the planning element merely because of social ownership. This statement is meaningless if it is not known what is meant by the plan and hence how economic proportions are to be shaped. Bukharin's reasoning on the latter subject, the proportionality of labour inputs, can be considered correct only when the socialist mode of production is completely developed. This eventuality exists not only when new productive relations hold absolute way, but also when the same is true of the new productive forces corresponding to socialism.

system has two functions (1.) the satisfaction of the needs of society in a way appropriate to the given condition; 2) the self-preservation structure of investment (and hence also the structure of the producwhich are to change the economic structure radically. Today's cannot provide indicators sufficient for determining the proportions would be the greatest and vice versa). It is the necessity to reckon with the second function which means that frequently specific prosociety's labour so that the demands of the law of the proportionality of production). If it were merely a question of the former function, and development of the system (expanded reproduction of the means of outlays would be fulfilled (where the most intensive need of the the whole problem of planning would boil down to allocating structure of needs which have not thus far manifested themselves in tion of investment goods) must, to a certain degree, correspond to the difference of opinion lies in the proportions which are to be achieved needs." Again and again this same leit-motiv reappears. The chief lays i.e. in conditions where production is designed only to satisfy portions are required 'which can be formed neither under the infinal consumer appeared, there, the relative amount of social labour the question of the mechanism is secondary. Markets and their prices fluence of the pure form of law of proportionality of social labour out-According to Preobrazhenski every regulator of the economic

¹ E. Preobrazhenski, op. cit. Introduction to the second edition. (Moscow 1926).

effective demand but which are, in part, created by today's investments. For this reason it is not possible to limit planning to the anticipation of the operation of the market; this would be to transform the plan into a *sui generis* instrument of the law of value.

approaches to the make-up of class forces (especially the peasantry) sudden change of proportions becomes of particular importance. development problems of Baran's 'steep approach' in which a ation. The distance between their ideas has to do with their different of the means of production. The latter is the sphere not directly conallocation, the correct distribution of social labour, the preservation certain; we have here a consideration of the same problem from two possible, leaving out all the secondary elements. Although not everyof investment and allowing for needs indicated by the market situuse of the existing productive apparatus with a more gradual growth market. Bukharin's reasoning clearly emphasizes the fullest possible nected with the current structure of consumer demand and with the of equilibrium and the balanced development of every branch of and to the speed of reconstruction of socio-economic relations. large-scale investment and primarily on investment in the production production and consumption. The former concentrates mainly on Bukharin, on the other hand, attaches much greater importance to sides Preobrazhenski devotes his main attention to the acute thing in this discussion is, perhaps, clear to us today, one thing is I have attempted to render as true an account of the argument as

the theory of the functioning of a socialist economy is found so as to guarantee equilibrium on the basis of equivalence. For commodity forms. Bukharin, for example, in defending the need to similar method. Both Preobrazhenski and Bukharin differentiate spite of the profound differences in opinion, they have a largely in the method which they both employ to deal with the problem—in clusions are not always explicit in their statements they are implicit primarily in general methodological conclusions. Although these conequivalence as the source of primitive socialist accumulation. (Again forms. On the contrary, in the long run he foresaw an appropriate the law value) did not identify this with the application of market ality of social labour outlays and, hence, with the material content of between the operation of the law of value and the existence of moneypreserve equivalence (in accordance with the law of the proportionturthermore, as we have seen from extracts, Preobrazhenski clearly Preobrazhenski the essence of the problem could be found in nonforms or commodity exchange as an instrument of redistribution however, this was not identical to abandoning money-commodity The importance of the Preobrazhenski-Bukharin controversy for

emphasized the differences between the law of value and moneycommodity forms.

of a socialist economy.1 value and commodity forms. We only note it in order to deal with it later as one of the essential elements in the theory of the functioning This is not the right place to analyse distinctions between the law of

formulates a series of what we would call today postulates of the accompanies the development of industry.') At the same time he development is obtained when a rapidly developing agriculture evolve. ('From the long-term point of view the greatest rate of portions between the development of industry and agriculture to and labour) and warns against the consequence of allowing disproment targets (especially in relation to available supplies of material in 'An Economist's Notes', he emphasizes the need for realistic investthe authors. In Bukharin's case, while discussing the Five-Year Plan achieved. The latter point is quite clear from statements by each of the tasks of economic planning and the forms by which they are elements). I am concerned only to emphasize that there is a certain would be problematical since both contain correct and incorrect not intend to judge which concept was correct (such a judgment of management than the economic policy implicit in Bukharin. I do practice of large-scale applications of direct administrative methods structure and a greater straining of industrial effort, is nearer to the doubt the policy contained in Preobrazhenski, a more violent change of of contention was that of the areas of expansion and the proportions a model to this methodological conclusion. Although the chief point though by no means automatic—connection between the content of tion of the mechanism of the operation of the economy. Without a ditions—each of these two concepts ultimately brings us to the quesof them in the process of reproduction—bearing in mind existing conhenski-Bukharin discussion if we limited its significance for defining We would be underestimating the importance of the Preobraz

problems ought to be more strongly and much more categorically elements working for socialism. This requires an extremely comletting go of the reins, since basic decisions and the most important few steps in the direction of a commune-state. This does not mean group, mass, social, and state. We have overcentralized everything. plicated combination of different forms of initiative-personal, We should ask ourselves whether we would not be better to take a We ought to set in motion the maximum number of economic

stitute a large total cratic hindrances. We could operate more elastically, with more of ploy many of these possibilities because of a multitude of bureausuch decisions, responsible for their own domain. Over centralizathousands of more or less stupid mistakes which in the end conto adjust to real conditions. In this way we could avoid making beginning with the individual state enterprise, we were better able the necessary manoeuvrability and with much better results, if, forces, means, resources, and possibilities. We are unable to emtion in many areas means that we deprive ourselves of additional Bodies at lower levels already operate within the strict terms of (and thereby more carefully) handled by decisions made at the top.

of practical economic measures. economists, as in the authoritative pronouncements of political should be sought from them not so much in public statements of controversies on various subjects including the problems of a model extremely promising theoretical discussions and studies. Traces of ment of Soviet economics up to that time ended many creative and demnation of both the achievements and the whole trend of developpoint in the history of Soviet economic science. The total conwas changed in the following period which also marked a turning leaders (above all Stalin) who laid down the obligatory interpretation history of discussions of a model in USSR. However their character The debate broadly outlined here obviously does not exhaust the

decisions. Changes occurred only in the 1950s and then especially a broad and deeply-rooted conviction that a planned economy was after the 20th party congress of the Communist Party of the Soviet to be identified with the maximum centralization of all economic economic mechanism or to general theoretical considerations and either to particular elements of the existing highly centralized from the general atmosphere of those times and/also no doubt from interpretations of the system which was taken as given. This derived The economic literature of the 1930s and the 1940s was devoted

which followed a system of economic management crystallized zation and the collectivization of agriculture were fixed. In the period socialism was defined. Above all the rate and methods of industrialiconcern about the functioning of a socialist economy shifted to the achieving the general Party line in the struggle for the building of management. At the end of the 1920s the practical manner of practical process of the formation and development of a system of Because of the circumstances of economic theory, the centre of

¹ See in particular chapter 5.

N. Bukharin, op. cit.

only known pattern of a socialist economic model.¹ which basically was to last almost a quarter of a century forming the

first socialist economy was a contribution of historical importance for the development both of socialist economic practice and of theory, which cannot progress without a reality from which how this system is regarded today, beyond a doubt the shaping of the Before recapitulating, one point needs to be made. Irrespective of

functioning of a socialist economy may be summarized as follows: Our brief survey of the theoretical heritage of the principles of the

of all forms of market relations and founding the socialist economy on the principles of in-kind distribution. tions have been interpreted as arguments favouring the elimination elements of the functioning of the economy, some of their suggespremises for a planned economy. However especially because these general conceptions were rather hastily applied to more detailed the October Revolution provide a number of valuable general The works of Marx and Engels and other Marxist writers prior to

Western discussions during the inter-war years not only discredited

nomy. The elimination of 'Associations' in 1934 and the transfer of their functions to the central branch director's offices which served as organs of the Ministries which, hitherto, had been the basic institution in the industrial organization, and this was a promotion due to the liquidation or severe restriction of the trusts is one normally cited as strongly emphasizing the role of the enterprises (the Party (b) 5th December 1929 on the reorganization of industry. This resolution gave formal recognition to this evolution. which rapidly developed into an administrative organ as it took over the main means the breadth of decision-making which the trusts had possessed. The unit immediately superfor to the enterprises was then the 'obyedinenye' (Association). plan. The new reform gave enterprises juridical independence but not by any had operated on the principle of profitability within the general limits of the enterprise is the main link in economic control'). However, for the enterprise functions of the old syndicates along with certain elements of economic autotime in a resolution of the Central Committee of the All-Union Communist ¹ The principles of the Soviet system of management were laid down at that

planning directives proceeded concomitantly with the expansion of the directing managerial organs. They rapidly changed from centres of economic which increased to 21 by war's outbreak. National Economy was broken into four industrial commissariats (ministries) policy to centres of operative control. In 1932 the Supreme Council of the The subordination of all aspects of an enterprise's activities to a system of

of planning and the financial system (unification of the tax system, credit reform 1930-1) were also altered. Corresponding to the changes in the organization of industry, the organization

some extent in chapter 4. "Attempts are made to make an analysis of this kind in chapter 3, and to

> interpretations of the problem of the plan and market and of centralism and decentralism in a socialist economy. polemic among socialism's adherents, produced a series of interesting the view that socialist economic calculation is impossible, but in a

strates that they arise directly from practice and are not merely inthe plan and the market, of centralization and decentralization etc. methodological assumptions and in the connection between the attempts to formulate the economic theory of socialism on Marxist vented by theoreticians. Moreover, the way in which these problems were handled demonproblems of building models and economic socio-political practice. the relationship of the law of value to money-commodity forms, of It is especially important that the Soviet debate faced the problems of The importance of the Soviet debate of the 1920s lies in the

in the Soviet debate. On the other hand, it is difficult to expect these the past the problems were raised rather than solved. sources to give direct answers to the problems now facing us, since in worth examining and as far as possible filling the lacunae especially of a socialist economy has a great deal to say about the problem. It is In general, then, it is fair to say that the history of the functioning

field is an attempt to overthrow long established maxims of Marxist foundation of the accusation that the quest for new solutions in this The point of asserting this truism is to indicate the complete lack of



incentives which undermine instead of strengthening the connection between the interests of the state and those of the individual.

5. Bureaucratization of the state and economic annaratus which

5. Bureaucratization of the state and economic apparatus, which led to all kinds of extremely unfortunate economic and sociopolitical results.

Finally and most controversially, there were criticisms of the central planning authority for some of its crucial investments, which were felt to be irrational. This could occur because there was no proper system of prices, which made the accuracy of economic calculation inadequate and overburdened central authority with current problems of economic administration.

The views of a significant number of economists (and in my opinion the theoretical criticism of the centralized model and its proposed changes) were founded in the belief that too little account was paid to the role of the law of value in a socialist economy. Such a position (as can be clearly seen from some of the pronouncements in the publications I have just named) did not gain universal support and furthermore, was not even uniformly interpreted by its adherents. Undoubtedly the entire discussion was hampered by too little clarification of even some of the most fundamental elements of the Marxist theory of value in a socialist economy. And this says nothing of the chronic lack of verbal precision.

Therefore a vital condition of progress in discussions of the model is an analysis of the operation of the law of value in a socialist economy and careful definition of several concepts employed in such discussions. This will be mainly theoretical though not lacking in important consequences for practical facets of the problem. Otherwise there is a danger that we shall find ourselves imprisoned in a circle of paralysing misunderstandings which will not only prevent practical, rational solutions but will even make impossible unequivocal definitions of disputed points. Even though this is a subject for which Gladstone's remark quoted by Marx has significance: 'Not even love has made a greater number of men into idiots than brooding on the subject of the essence of money', consideration of this problem is necessary to verify the above inferences about the centralized model which we shall discuss later.

¹ Examples: Ekonomiści dyskutuja o prawie wartości (Economists Discuss the Law of Value), Warsaw, 1956; Dyskusji o prawie wartości ciag dalszy (Discussion of the Law of Value Continued), Warsaw, 1957; Dyskusja o polskim modelu gospodarczym (Discussion of the Polish Economic Model), Warsaw, 1957; W. Brus, Prawo wartości a problematyka bodźców ekonomicznych (The Law of Value and Economic Incentives), Warsaw, 1956; the book by H. Fiszel referred to above, Prawo wartości o polityka cen w przenyśle socjalistycznym (The Law of Value and Price-Policy in Socialist Industry); and Z. Fedorowicz, O prawie wartości i rozrachunku gospodarczym (The Law of Value and Khozraschot).

The law of value in a socialist economy

This chapter will be chiefly concerned with clarifying the following questions: What ought we to understand by 'the operation of the law of value' in its strict sense and to what extent does this law really operate in a socialist economy? Among other things considering these problems ought to make it possible to clarify whether in socialism the existence of money-commodity relations necessarily means the operation of the law of value.

') The analysis will <u>not</u>, however, touch on the causes of the existence of commodity production in socialism. Here I will merely draw attention to a point which follows from discussions in the Soviet Union.¹

The vast majority of economists have now discarded the formulation, (one found in my book The Law of Value and the Problem of Economic Incentives) adopted after the appearance of Stalin's last work, which held that money-commodity relations within the state sector are the result of the law influencing the socialist production from without. Quite apart from fairly basic differences of opinion on the origins of commodity production and the law of value in socialism, the prevalent view is now, that money-commodity relations are not just some kind of moon-like reflection of external light but are derived from the inherent features of the state form of socialist ownership as well.²

and the law of value in socialism: 1 Zakon stoimosti i yego ispolzovanitye v narodnom khozyaistve SSSR, report of a discussion organized by the Economic Institute of the Academy of Sciences of the USSR, ed. J. Kronrod. Moscow, 1959. The views of 50 economists including all the best-known specialists in the field are contained in 514 pages. The only fragments of the discussion omitted were those dealing with the relations between the MTS and the kolkhozi which ceased to be of interest when the MTS were dissolved in accordance with decisions of the central Committee of the CPSU. 2 Zakon stoimosti i yevo rol pri sotsjalizme—a similar report of a discussion organized in January 1958 by the Faculty of Political Economy in the Economic Department of Moscow University, ed. N. Tsagolov, Moscow, 1959. I shall refer to these publications as the Soviet Papers on the Law of Value, nos. 1 and 2 respectively.

² To avoid misunderstandings, I must clarify my opinion that money-commodity relations may exist in the state sector. This is not the same as asserting the identity of their economic content with money-commodity relations between

General definitions

In approaching the problems considered here I would like to concentrate on the connection between the operation of the law of value and the proportions of the division of society's labour in a socialist system. The problem is very closely related to our understanding of the law of value in socialism and has a basic significance for the model of the functioning of the economy.

In Marxist literature the general concept of the law of value and

different owners (including of course, the co-operative market but also the market for consumer goods and the labour market). Thus I maintain the point I made at the second conference of Polish economists, that it is necessary to distinguish between the transfer of a product from one owner to another and the exchange without change of owner. See my paper '() roli prawa wartości w gospodarce socjalistycznej' ('The role of the law of value in the socialist economy'), Ekonomista, no. 5, 1956, pp. 91-2. The peculiarities of money-commodity relations among state enterprises or between enterprises and state organs are seen in at least two interconnected points (1) In the process of exchange there is no real redistribution of income (2) Money-commodity relations are not the only means by which the social division of labour (adjustment of the structure of production to the structure of needs) is achieved; there are even cases when they do not fulfil this role at all. K. Ostrovitianov upholds a similar opinion in Soviet Papers on the Law of Value, no. 1, p. 2.

Stalin's view, it will be recalled, was that the law of value 'influences production' since 'consumer goods, which are needed to compensate labour input into production, are produced and sold in our country as commodities coming under the operation of the law of value'. (Economic Problems of Socialism in the USSR, p. 23).

ance is made for the market in agricultural products and foreign exchange which processes still penetrate 'to within' through costs (assuming given freedom of market) (Therefore, there can be no talk of separating the money-commodity profession and place of employment). This is even more easily seen when allowduction within the state sector are reduced to the role of units of account market conditions of demand and supply,) Even when the prices of the means of prorelations within the state sector from the market where prices must reflect also relative 'prices' which are also ultimately specified by market means (the labour thereby affects the restoration (restytucji) of labour power; but it is also apparent since relative costs of production are determined by the amount of labour and which are fixed in the plan. This link is apparent not only in Stalin's point that respectively to the structures of consumer goods output and of employment indispensable for adjusting demand for consumer goods or the supply of labour in the state sector with the markets for consumer goods and labour. As I have planned economy with the centralized model, then does it contain an interesting ever, if it is not treated literally and if it is remembered that Stalin identified a consumer goods enter the market which ultimately determines their price and tried to show, in the latter money always plays an active part, as far as it is and valuable concept of the labour power as a factor linking the peculiar market of the appearance of money-commodity relations within the state sector. How-Literally taken, this theory is obviously inadequate especially as an explanation

its functioning in competitive capitalism are usually interpreted in an unambiguous way. This concept corresponds more or less to that expressed in a Soviet textbook on political economy in the following way: The law of value is a law of commodity production; its essential meaning is that commodities are exchanged according to the amount of socially necessary labour used up for their production.²¹

Ignoring the question of what constitutes labour outlay and under what circumstances it becomes a socially necessary one (the problem will not be discussed in this work) one can say that where the law of value operates, the exchange ratios of goods are established by the ratios of their values, i.e. the socially necessary amount of time used up for their production.²

Approaching the problem less generally, viz. for the commodity money economy, the operation of the law of value means that price ratios are determined by the ratios of value. Of course, this is not tantamount to asserting that in every case price ratios are identical with the ratios of value. However, the tendency is in this direction. Bearing in mind these few comments we would define the operation of the law as a continuous tendency towards the adaptation of price ratios to those of value.

Sometimes the general fear is voiced that the definition of the law of value as the law of prices may restrict its meaning to an excessive degree. Paul Sweezy, for example, writes that 'what Marx called the law of value summarizes those forces at work in a commodity producing society which regulate a 'the exchange ratios among commodities, b 'the quantity of each commodity produced', and c.) 'the allocation of the labour force to the various branches of production... the law of value is essentially a theory of general equilibrium developed in the first instance with reference to simple commodity production and later on adapted to capitalism.'3

Other writers emphasize the tendency of the law of value to reduce individual labour outlays to the socially necessary proportions, to reduce socially indispensable outlays by technical progress and so on.

Of course, an analysis of the law of value in a commodity economy cannot be limited to the problem of fixing price ratios. It must comprise not only the elements included in the definition of the law itself, but also a description of its role and its effects in a commodity-type economy. What is important, however, is that the law of value

¹ Ekonomia polityczna. Podręcznik (Political Economy. A Handbook), Warsaw, 1955. p. 104. (The Polish translation is based on the first edition. Massaw, 1964)

^{1955,} p. 104. (The Polish translation is based on the first edition, Moscow, 1954), 2 Obviously, here it is possible to talk only of the comparative ratios and not of absolute quantities which cannot be directly measured.

⁸ P. Sweezy, The Theory of Capitalist Development, (New York, 1942), p. 53.

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touches different aspects of social reproduction not in spite of, or parallel to price regulation, but through it.

For example, take the question of reducing individual labour outlays to those which are socially indispensable. A uniform price for a given commodity (and such a price is created on the market by competition) always means greater gains for those who make smaller outlays. By reducing the uniform price to the level of the socially indispensable outlay (more strictly, by reducing the ratio of price to the ratio of inputs) the law of value allows producers with lower than the socially indispensable level to obtain greater gain while those who have higher outlays have smaller gains. Thus, the law of value 'persuades' producers (I assume we are dealing with producers guided by the motive of money income) to keep within the limits of socially indispensable outlays; drives the incompetent producers from the market; and spurs technical and economic progress.

ance of deviations but the release of economic springs which reduce ant for the operation of the law of value is not so much the appearcontinual deviations of price ratios from value ratios operates here. The law of value appears even more clearly in regulating the output of goods and the allotment of labour power to particular areas of value ceteris paribus causes the movement of a certain amount of relative excess of supply over demand at a price corresponding to price ratios to value ratios. A downward deviation caused by a production with which Sweezy deals. The classical mechanism for process occurs spontaneously, without possibility of attaining a ditions of production retain superiority. I feel no proof is needed operation of the law of value, though in the final analysis the convalue ratios). Thus the mutual relationship between conditions of balancing of supply and demand at price ratios which reconcile with profitability. The convergence of price ratios with value ratios is thus inseparable from the regulation of the social division of labour deviation leads to the flow of labour towards it because of high social labour away from the production of a given good; an upward I would like to emphasize the word 'eliminate' since what is importregulating the social division of labour by tending to eliminate the (conditions of competition between individual producers) the whole for the generally accepted fact that in private commodity production production and conditions of exchange find their reflection in the in such a way as to bring about a state of equilibrium (e.g. the

state of relatively stable equilibrium. This results in economic losses and leads to definite social effects.

capitalism is modified by the motive of maximizing the return to sectoral allocation of labour by means of a continual interaction of of production) will occur only along with the regulation of the of prices towards the 'norm' (the level determined by the conditions are exclusively concerned to learn whether the operational mechanrium based on production prices, differ from those which would prevail if value were the norm of the median of price oscillation.¹ However, we are not interested in this aspect of the problem; we social labour between branches, which are established in an equilib-It should be noted that the relative proportions of the division of convergence of price ratios and the ratios of production prices) peculiar to competitive capitalism (a tendency in the direction of the above definition of the law of value may also apply to a situation transformation' (of value into production price) and assuming Produktionspreis) which replaces value in the strict sense as the median of price oscillations. Disregarding the famous problems of capital as the direct aim of production. It is manifested, primarily, capital that the production price really is a modified form of value, the is value in the strict sense or the production price as a modified ism of the law of value (in its modified form) works in a similar, in the appearance of the category called production price (Marx's 'the law of value' will be used whether the median of price oscillations though more complex, way to the one described. The gravitation form of value. production and exchange conditions. Henceforth the notion of The functioning of the law of value in a developed competitive conjugate the return to

Monopoly capitalism changes the situation greatly. Monopolies employ their power to hinder the process of adaptation based on the interaction of production and exchange conditions. Hence in mono-

¹ Strumilin rightly stressed this fact in 'Zakon stoimosti i planirovaniye', Voprosy Ekonomiki, no. 7, 1959, although he draws a number of important and highly controversial conclusions from it. He feels that the appearance of the production price and the law of the average rate of profit is not identical to the operation of the law of value which he interprets strictly as the law of the equivalence of goods exchanged or what amounts to the same thing—'prices proportional to values.' Strumilin adopts the view that 'the points at which the law of value has fully realized its demands, with respect to the proportions of production and exchange, are optimum from the viewpoint of economizing society's time and labour outfays. 'In so doing he treats equilibrium based on production prices as a continual deviation from the optimum allocation of social labour (another argument against capitalism); and he feels that 'increasing divergencies in the organic composition of capital lead unavoidably to increasing divergencies of prices from value and in growing disproportions of exchange' (and in production, as follows from his reasoning), pp. 124-5.

¹ 'Price is a manifestation of the law of value. Value is the law of prices, i.e. a generalized expression of the phenomenon of price.' V. I. Lenin. One more Defeat of Socialism—marginal notes on Struve's book 'Economy and Price', Works, vol. 20, p. 205 (Polish Edition).

unequivocally defined content. polistic barriers and enables 'normal' changes in the structure of Thus to the extent that competition succeeds in destroying monocompetition, though very distorted, does not cease to function. eliminated since monopoly is never complete and the mechanism of labour allocation, the law of value operates in agreement with its ment of state intervention, the deviations of price from production poly capitalism, due to the activities of monopolies and the developprice become significant and more importantly are of longer duration 'normal' production price ratios is not and cannot be completely (monopoly prices). Obviously the tendency to reduce price ratios to

On the other hand, the non-equivalence of exchange becomes more and more a rule. It results from the strength of monopolies and makes the tendency towards equilibrium lead to patterns of supply and demand different from those of free competition.

when there is a long-term rise in labour productivity. of the law of value is ignored and attention is focused on problems like the equivalence of the sums of values and the fall of prices monopoly capitalism. The problem of equivalence in the operation unexpected transition to a completely different position in analysing above definition and apply it to competitive capitalism, there is an of monopoly prices? Here the meaning of the law of value undergoes modifications of the law of value in capitalism. However, this is not does not touch this problem and is instead inclined to speak about capitalism without serious reservations. 1 Generally Marxist literature can this assertion be justified in view of the obvious non-equivalence poly capitalism is fully operative and that its form is changed. How the same thing. Modification implies that the law of value in monospeak about the operation of the law of value at all in monopoly a metamorphosis. In many works, in which authors begin with the The above definition gives rise to the question, whether we can

a real connection between price movements and increases in labour commodities. Changes in the general level of prices are—in given productive conditions—merely the expression of a change in the different distribution of value created. The second argument makes purchasing power of money, while changes in price ratios lead to a sum of prices can never differ from the sum of the values of all The first of these latter arguments is tautological. In reality the

clearly Paul Sweezy, The Theory of Capitalist Development, and as well R. L. Meek, Studies in the Labour Theory of Value, Chapter 7 ¹ Strumilin's formulation is in the above cited article. Similar though less

² Cf. eg. Ekonomia Polityczna, Podrecznik, p. 314, K. Ostrovitianov, 'Stoimost', The Great Soviet Encyclopaedia, 2nd ed., vol. 41, and the article 'Zakon Stoimosti pri kapitalizmie and monopolnaya tsena' in Krakti ekonomi-cheski slovar, Moscow, 1958.

> prime importance is little more than a way of admitting that the found in its full form in monopoly capitalism. principle of equivalence of exchange is not (or tends not to be) the attainment of equilibrium, etc. Therefore to make this factor of would not concern the regulating of the division of social labour; the long run were to constitute the content of the law of value, the connection between labour productivity and the price level in from that enunciated in the prior definition of the law of value. unit is assumed constant) but it is a connection of a different type productivity (nominally visible only if the value of the monetary

as a simple money commodity do not treat as a separate element the monopolistic stage. happen even though this interrelation appears more clearly than in interrelations between prices and labour productivity. This may Typically, analyses of the law of value in competitive capitalism or

number of oversimplifications. capitalism derive from disturbances in equivalence, is based on expressed view which holds that many negative aspects of monopoly to examine such a problem. However, it seems that the frequently mations in the economic base which are limiting the operation of the with a violation of this law or with the results of major transforin themselves. Therefore we must first clarify whether we are dealing distortion of equivalence may be symptomatic to the violation of an least, far-reaching limitations on the law of value? Not quite, since a here. Then does this fact justify the conclusion that there are, at law of value in an objective sense. It is beyond the scope of this book objective economic law, and the economic results may be harmful general definition of the law of value to monopoly capitalism. On the other hand, as a rule, the equivalence of exchange is distorted There are no reasons for abandoning the idea of applying the

School of Political Economy)—unfortunately, even today Marxist is not a new one, it can be found in Preobrazhenski's book and in significance for the theory of value in socialism. Though this view of the law of value in monopoly capitalism would be of great literature has made no real progress in its study of the problem Blumin's Subjektivnaya shkola politicheskoy ekonomii (The Subjective A thorough study and clarification of the problem of the operation

The formulation of the problem for a socialist economy

in a socialist economy. Primarily this was due to a lack of precision in defining the concepts used; in turn the result was an illusory dimensions similar to those reached in examining the law of value In hardly any other theoretical problem has confusion reached

discussions without previously lending due precision to the terms and concepts used. To some extent I shall try to remedy this now. common in this field—the habit of engaging in complex theoretical Economists¹ which displays vestiges of a bad habit particularly articles and even of my paper before The Second Congress of Polish accord, or difference in point of view. This is true also of my own

managing the economy.'3 This quite obviously confused position read that 'the errors of earlier teaching which denied that the law of economy in which control over the bulk of economic resources is in of money-commodity categories presumes the operation of the law of value, since the mechanism of equalizing the ratios of prices with competitive situation. There, indeed, the mere fact of the existence by a socialist state and which thereby employs the law of value in wrote: 'The money form of value is the economic form that is used on in socialism.' Since then many different versions of this view of difficulties in clarifying categories like money, banks, credit, and so value continues to operate in a socialist society created insuperable blue, recognized the operation of the law of value in socialism.² We in the course of this conversation that Stalin, like a bolt from the politicheskoy ekonomii'---the first, semi-official interpretation of the expounded in the article 'Niekotoriye voprosy priepodavaniya mere existence of money-commodity categories is evidence in degree that it amounts to a qualitative difference) of a socialist true of monopolistic capitalism; it is also true (indeed, to such a must accept the system as given and adjust themselves to it.) This is competition when those who control the factors of production commodity categories can no longer presume the law of value tration such that those who exercise it can effectively influence the when control over economic resources reaches a degree of concenprobably stems from an unwarranted parallel to the classical the operation of the law of value have been expressed. J. A. Kronrod itself, of the operation of the law of value. This view was first whole system of economic quantities, the existence of moneythose of values (or prices of production) functions freely. However, famous conversation of some economists with Stalin in 1941. It was (Contrast this with conditions approaching the so-called perfect To begin with, I think we should finally reject the idea that the

it would not provide any basis, or framework for a national price operation of the law of value is to deprive the law of any objectivity; of values not accidentally and temporarily, but because of a conscious as the 'utilization of the law of value' if price ratios differ from those the appearance of money-commodity categories cannot be defined state controls proportions and social production by means of a plan, policy. At any rate, to view any system of prices as proof of the the hands of the State as founded in social ownership. When the

consumer goods be set at a level which equalizes demand and it justified to say that the need to fix equilibrium prices must be a i.e. without physical rationing).³ The question arises then: Why is is economically unjustified (at least, for goods sold in a market, socialism, too, the price which does not equalize demand with supply supply.2 Today almost all Marxist economists consider that under Generally this statement is interpreted to require that prices of regulating factor' in the sphere of the exchange of commodities of Stalin's Economic Problems of Socialism in the USSR, that 'the aw of value retains, of course with certain limitations, the role of a More concrete is the conclusion, adhered to since the publication

no. 5, 1956. 1 W. Brus, 'O roli prawa wartości w gospodarce socjalistycznej', Ekonomista,

nection with the proposed alterations in the *Handbook of Political Economy*) was ever published. The article cited here, unsigned and later distributed as an offprint to universities as a programme document, appeared in the journal ² No proper account of Stalin's conversations with the economists (in con-

Under the banner of Marxism, no. 7–8, 1943.

^a J. Kronrod, Diengi v sotsialisticheskom obshchevstvye (Moscow, 1954), p. 147

stoimostnye kategorii v sotsialisticheskom khozyaistve, p. 100. value.' In my opinion this is inaccurate; it is perhaps better to talk about the CONSCIOUS exploitation of value categories. P. Erdoss, Tovarnoe proinzodstvo i They sometimes call price policy the conscious exploitation of the law of

surplus (zatovariwanye) arises, when prices are too low-a shortage, etc.' Stoiwhen the prices of foodstuffs and consumer goods are too high, a commodity in commodity turnover is revealed in the movement of supply and demand . . . and supply are in equilibrium.' A similar interpretation is offered by K. Ostro-Economists: 'The role of the law of value as a regulator in commodity turnover vitianov writing roughly about the same time: 'The operation of the law of value is to be found chiefly in adjusting market prices to that level at which demand ² It was this interpretation that I adopted in my paper at the Congress of

which equalizes demand and supply since at a low price there ought to be a it feels warranted increasing. But this should not violate the principle of a price siderations, can and ought to set low prices for those goods whose consumption supplies, etc.), ibid., p. 99. It is obvious that the state, guided by social conof low prices for goods of primary need (especially children's goods, medical anical flexible application of this principle, taking as examples the establishment most', The Great Soviet Encyclopaedia, 2nd. ed., vol. 41, p. 21.

This was shown by the Ukrainian Economist A. Kasevina, in her contribution corresponding increase in supply. In these circumstances it is a question not of discussion. A. Kulikov, who begins rightly by stating that price policy must heed the relation of supply and demand. Then he speaks of the need of a non-mechdifficult to understand the reservations made by one of the participants in the to Soviet Papers on the Law of Value, no. 1, pp. 384-7. On the other hand, it is increasing consumption and hence mutually adjusting supply and demand at a lowering a price when it is impossible to buy a commodity but of actually

modity and confine themselves only to superficial observation of with those of values only by the crudest schools of economic theory. pattern of production equilibrium price ratios and value ratios by means of changes in the from values can be regarded as an element in the operation of the market phenomena. Equilibrium prices which are set to deviate Price ratios which equate supply and demand are treated as identical be attained also at a price considerably different from the value. of commodity exchange? It is obvious that market equilibrium can manifestation of the regulating role of the law of value in the sphere law of value only when such deviations induce the convergence of These are the schools which deny any 'internal value' of the com-

As Stefan Kurowski writes.¹

existing resources of labour from the production of one set of commodities to the production of another. given good is equal to the existing supply. If after the first stage strives to establish itself at a level for which the demand for a the total outlay of labour per unit of production or he shifts the the aligning process . . . the producer either increases or decreases value. Hence, after this first stage there must be a second stage in nothing happens... there would be no movement of prices towards were in two stages. In the first stage the price of the commodity This mechanism [the alignment of prices with value] operates as it

provision that it does not mean that prices must correspond to a very enigmatic fashion as there is commonly a reluctance to define frequently even such a flexible definition is circumscribed by a expressions of the relations between price and value. Moreover, stitutes the economic essence of price; 'a socialist state takes as a between price and value.² However, this connection is described in point of departure the value of goods produced—these are typical reflect socially necessary outlays, to a greater extent'; 'value con-'Prices are based on value'; 'value forms-price, cost, etc.-should terms and a usage of the least precise definitions in this context. law of value in a socialist economy usually refer to the relationship Herein lies the crux of the matter. Inquiries into the working of the

Value'), Kierunki, no. 14, 1956. 1S. Kurowski, 'Demokracja a prawo wartości' ('Democracy and the Law of

rejected the idea acknowledge it now' (Soviet Papers on the Law of Value, no. 1 many people now agree to this. It was pleasant to hear many comrades who once value is directly denied-perhaps Gatovski was thinking of some unpublished p. 504). I know of no post-war work in which the connection between price and Academy of Sciences of the USSR said: 'At the base of prices lies value. Very ²L. Gatovski summarizing a discussion in the Economic Institute of the

> mechanism for realigning of price with value. deviation is an indispensable feature which sets in motion the portions in the division of labour is spontaneously manifested. The deviation of price from value is the medium through which disprosame time it is forgotten that these are circumstances in which a deviation, is to be sought in the form of the prices as such.' At the 'the possibility of non-equivalence between price and value, i.e. a continual divergence of prices from values and in particular that statements to the effect that the law of value operates through a deviate from values in a planned way. Some of Marx's pronouncevalues. In a socialist state it cannot mean this, since there the opments are frequently quoted to justify this paradox. He has made portunity provided by the law of value is seized and prices are set to

expression as the average result of apparently blindly operating such a method of production whose inherent laws can only secure of this form, on the contrary, it admirably adapts the price form to irregularities that compensate one another.'2 between price and value Marx emphasized that: 'It is not a defect In a reference to the possibility of quantitative non-equivalence

excludes it. Without the use of sophistry (which is sometimes offered values. the law of value since the sum of prices remains equal to the sum of question. And it is of no use to observe that deviations do not affect as dialectical argument) it is not possible to answer the preceding anism aligning price and value but, on the contrary, consciously This is a process which not only fails to set in operation the mecha use of the law of value the planned deviation of prices from values deviation of prices from values; the inherent law (for this is the ultimate idea) works its way through disorder. But why describe as In this sense the law of value operates essentially through the

is not a regulating factor of production.' This premise is explicit or customary to quote the basic economic law of Socialism and the are not based on it but on other economic laws. (At this point it is law of planned balanced growth.) 'The law of value operates, but it the law of value can be found in the genuine difficulties of reconciling the law with the tenet that proportions of production in socialism In my opinion the reason for the vagueness of the definitions of

on the Law of Value, no. 2, pp. 193 and 195. of the law of value . . . the limitation of the regulating role of the law of value prices of particular goods is in agreement with the mechanism of the operation dokormov, said quite simply: 'Correct, economically justified deviation of the the law of value in socialism, but directly constitutes its content.' Soviet Papers [in planning price] not only does not conflict with the conception of the use of One of the participants in the discussion at Moscow University, G Khu-

² K. Marx, Capital, Everyman, London, 1940, vol. 1, p. 79

implicit in the enormous volume of printed pages devoted to the problems of that law in socialism. And yet the law as it regulates production requires that all social labour be apportioned among the production of different goods; and it must be done so that the quantities of various outputs produced enable (a tendency towards)

the balancing of demand with supply and the convergence of price ratios with the ratios of values. Therefore to deny the regulating role of the law of value and to maintain simultaneously that it operates under socialism is a contradiction in logic. Rejecting or timidly omitting the sole definition which expresses the sense of the Marxist law of value (that price ratios tend to correspond to value ratios) is, of course, not a way of escaping the contradiction. A true escape may take the form of one of three possibilities:

then we can speak of its validity without qualification.

value—under certain conditions, in certain branches, etc. Here the thesis which holds that the law operates within certain bounds is maintained. If objective economic conditions do not warrant directing the pattern of production towards a convergence of price and value ratios it cannot be validly argued that 'the law of values is made use of' and 'it operates although it does not regulate'. It is better to say that the operation of the law under given conditions and in a given field, etc. is limited (or non-existent).

value. In other words, there is no need to develop patterns of production in such a way that price ratios correspond to values and a price policy should be based on entirely different premises. In order to be consistent this statement should be accompanied by another assertion that the law does not operate in socialism; this is not to exclude the possibility even the necessity of employing moneycommodity forms (some authors use the term 'value forms or value categories').²

In my paper at the Second Congress of Economists I identified the operation of the law of value as the regulator of production with *spontaneous* regulation and on these grounds denied the regulating function of the law of value in socialism: "We are faced here with a function of the law of value which is qualitatively different from its function in capitalism." I think it was right to draw attention to the difference in forms of operation, but this does not solve the basic problem.

² Peter Erdöss supports a similar view with admirable consistency not only in title (Commodity Production and Value Categories in a Socialist Economy and not the Law of Value) but also throughout the paper in which he speaks always of the employment of value categories and not of the law of value. I made no differentiation of this kind in my paper to the Second Congress of Economists. This was undoubtedly one of the reasons why some critics found nothing more in it than a statement of managing the economy by means of money-commodity

To generalize we could say this: to the extent that the law of value operates, it is the regulating factor of production also under socialism. I have already suggested (in dealing with monopoly capitalism) that the question of whether the law of value operates cannot be answered by mere empirical observation of the actual ratio of price to value.

This is particularly true of a socialist economy where the concentration of economic power is on a scale hitherto unknown.

underemployment of the available resources of social labour, both of the law of value ought to reveal itself in harmful economic results; appear. If in a given situation it is actually functioning, the objectivity of infringing the normal course of the economy's functioning will appropriate administrative measures, not even the least symptoms and, given appropriate adjustments in proportions of production or science has yet to solve the issues involved. plement them with other, vital elements are extremely complex and ment of assumptions specific to this question. Attempts to supallocation. It can be theoretically defined only in terms of an arrange-Particularly complex is the concept of the optimum resources because it must be conducted with the aid of imperfect instruments. That task requires theoretical proof made even more complicated and the area covered by it cannot be demonstrated experimentally as the optimum. Unfortunately, the operation of the law of value the impossibility of attaining the situation described in economics live and 'embodied'; insufficient satisfaction of needs; or succinctly— Prices can be maintained which are at variance with the law of value force can behave, at least temporarily, in defiance of social laws. gravity for a moment. Man, on the other hand, with a certain use of brilliant acrobat and the best cosmic rocket cannot defy the law of Social laws differ from natural laws in being mutable. The most

Thus we are faced with the question: If the pattern of production and exchange do not match patterns that the law of value would form, does it impair the objective economic law and result in economic waste? Or is it justified by new regularities formed by new economic conditions? In socialism this question assumes greater importance than in monopoly capitalism. A socialist planned economy enables conscious control of the distribution of economic resources in the public interest on a hitherto unknown scale. Such a great opportunity involves an equally high degree of responsibility for the negative effects of an incorrect allocation of means of production.

categories (proportions unconnected with the law of value) while others found in it a complete and unqualified subordination of the economy (including investments) to the law of value. In fact, as I am still trying to show, my views were not and are not so one-sided.

called the law of proportionate development. He goes on to emphawithout crisis. waste and bottle-necks to a minimum and thereby can allow growth size that in a centrally planned socialist economy the potential for Lipinski identifies the operation of the law of value with what is planned development as a growth policy can reduce dislocation, economy it is much easier to adjust prices to values and to guarantee the proper distribution of available labour and the pattern of output. it appears (especially the degree of planning). In a planned socialist does not touch the heart of the matter but merely the form in which as a regulator and is the law of economic equilibrium; that is to say regulation of the structure of production. The law of value operates Congress. There he opposed separating the law of value from the the law of proportional distribution of available labour resources. in a paper read by Edward Lipiński at the Second Economists' The difference in the operation of the law in capitalism and socialism One form of an attempt to answer the requirements may be sough

satisfactorily precise and properly developed. Moreover multiple than an outline of the problem. interpretations are possible due to the fact that his paper is no more it should be stressed that this view often lacks reasoning which is impossible and hence is responsible for economic losses. However, venes the law of value makes an optimum distribution of labour social or political aims of economic policy-activity which contra-It follows from Lipiński that—abstracting from the particular

Strumilin's approach

aniye referred to above.3 development of those ideas appeared in his Zakon stoimosti i planirov of calculation of approximate values in socialism, he reflects his position on and the great importance of the law of value. A fuller published early in 1957.2 Although his main subject was the method Stanislav Strumilin constructs a similar argument in an article

assumed in a commodity economy by the general law of 'time For him the law of value has a broad meaning since it is the form

subject matter of economics and economic laws'), Ekonomista, no. 5, 1956. See especially pp. 24-32. ¹ E. Lipiński, 'O przedmiocie ekonomii i prawach ekonomicznych' ('On the

proizvodstva v sotsialisticheskom khozyaistve, Planovoye Khozyaistvo, no. 2, 3 S. Strumilin, 'Zakon stoimosti i izmereniye obshchestvennykh izderzhek

version of the article. In 1961 it appeared in a book, Problemy sotsializma i kommunizma v SSSR (Moscow). ⁸ He also published a pamphlet with the same title which is an expanded

> disproportions in production. Long live equivalence in exchange."2 values be reached with an absolute equilibrium of supply and corresponds to the structure of needs as expressed in effective value can be expressed in a condensed form by the words: away with demand given the income distribution. Only when all disproportions duction—hence the distribution of available labour resources in production are eliminated will the proportionality of prices Strumilin considers the equivalence of commodity exchange (prosaving' which regulates the division of labour. As already indicated, demand.1 Elsewhere he writes: 'The requirements of the law of value. Equivalence can be attained only when the structure of proportionality of price to values) a direct requirement of the law of ਰ

means and especially in material form. capitalistic ownership may be a hindrance to the redistribution of duction in a planned way according to the law of value. Private conditions of social ownership) of shaping the structure of prosuperiority) are outlined in seven carefully chosen points. He is the possibility (engendered by freely redistributable resources in the side of both output and consumption. Also basic to his analysis of the law in socialism by taking account of foreseeable changes on over capitalism in operating with the law of value (for Strumilin of the important economists of the period. For him the law of planned balanced growth is the socialist 'embodiment' of the law vigorously stresses the possibility of a degree of ex ante satisfaction these are among the most important elements in socialism's goodwill and therefore with better effects. Socialism's advantages are fulfilled not through compulsion but in a planned fashion of the new conditions society is conscious of its requirements and they of value. The essentials of any qualification of the law are that in discussions of the 1920s, there is no doubt that he is close to some proportionality of outlays of social labour', which was used in Soviet Although Strumilin never used the expression the law of the

position to violations of equivalence.4 The following forms the grounds for Strumilin's forceful op-

elimination of disproportions in output and exchange in a comsatisfaction of all society's needs. modity guarantee the maximum exploitation of the existing Strict observance of the law of value as well as the complete productive forces while simultaneously maintaining a balanced

1S. Strumilin, 'Zakon stoimosti i planirovaniye', Voprosy Ekonomiki, no. 7,

1959, pp. 1-25.

S. Strumilin, Problems of Socialism and Communism, p. 139.

8 Ibid., pp. 135-9.

⁴S. Strumilin, The Law of Value and Planning, p. 130

ditions as a whole. This point deserves stressing since it provides a labour resources cannot be achieved once and for all and that the equivalence by the fact that the equality of the totals of prices and economic optimum. He castigates those who advocate income closely adhered to as possible to avoid the risk of not attaining the primarily a recording device. The latter type of price is more efficient good illustration of the difference between Strumilin's ideas and price structure to keep pace with basic changes in economic convalues is preserved. He realizes fully that the optimum allocation of redistribution through prices and rejects the justification of nonarise and especially when political considerations play a part. the less the unit of calculation changes . . . those of economists who treat money-commodity categories as the need for a more flexible price policy which would enable the Furthermore he envisages the consequences of this fact—including proper proportions of today may be the disproportions of tomorrow. These, however, are only exceptions to a rule which ought to be as particular social preferences regarding the structure of consumption Individual cases of deviations from the law can only take place when

question of opposition between the law of value and the plan; the wants to manage its economy effectively. law of value must be the basis of planned social activity if society Strumilin's solution is decided and consistent; there can be no

symptom of irrationality in economic management or, in other socialist economy solved by recognizing the regulating role of the words—waste? law of value? Is every deviation from the law of value really a But is it correct? Is the whole problem of resource allocation in a

clear up the misunderstandings which have accumulated round the in particular, but because his decisive position makes it easier to socialist economy. problem of the law of value and the model of the functioning of a light of Strumilin's work; not because I wish to scrutinize his views These problems to which we shall proceed are considered in the

a narrower one. His reasoning embraces two areas of the problem—a broader and

The narrower one deals with the law of value in socialism through reasoning identical to that of the first volume of Capital. This is

general tasks of the plan' (ibid., p. 128) In such cases the law of value must obviously also be subordinated to the more economic but also by the various political tasks of the moment. These tasks someinterests in order to achieve at a given moment more important political results times demand certain sacrifices from us at the cost of some secondary economic 1 'Our plans at any given stage are determined, as we know, not only by the

> tion). It follows from the argument that he always considers the average outlay within a whole branch of industry as the socially conditions of a simple commodity economy. Value—the basis on capital outlays (total fixed and turnover capital engaged in producwhich the state of equilibrium rests—is determined exclusively by reasoning at a very high level of abstraction corresponding to the patterns of output which guarantee the equivalence of exchange, when he mentions the law of value in socialism and postulates the socially indispensable outlays of living labour regardless of for specific marginal magnitudes in certain circumstances. And the value of agricultural products in Volume 3 of Capital—they allow possibility of applying elements similar to the Marxist concept of indispensable outlay. Thus in a socialist economy he ignores the Volume 1 of Capital, rejecting all its modified forms. thinks of equivalence solely on the basis of values as defined in

shall measure the deviations (defined according to Volume 1 of Capital abstract from a definition of the basic magnitude from which we or according to production price, to average branch outlays or to magnitude, which are considered in Marxist literature, necessarily important differences, all formulae for constructing the basic to society so that the price ratio of goods corresponds to the relations is there an objective necessity for distributing the labour available marginal outlays) the basic problem remains. In a socialist economy have one common feature: it is determined by the conditions of between some basic magnitude? It will be observed that, despite law of value in a socialist economy. most general form assumed by the problem of the operation of the production. Perhaps the above formulation may be treated as the The problem also has its broader aspects. For even when we

socialism and how it is quantitatively determined. I will merely of production. assume that we are faced with a norm derived from the conditions into the problem of the actual form in which value appears in I shall use the concepts 'law of value' and 'value' without delving This is the general level at which I intend to conduct the analysis.

allocation in only one given productive apparatus. On the contrary the first importance and in particular the question of the relation his argument was limited to discussing the pattern of labour resource problem of economic growth. Strumilin never explicitly stated that between resource allocation by means of the law of value and the Such a broad approach enables clarification of several matters of

economy'), Ekonomista, no. 3, 1958. socialistycznej' ('Some remarks on the problem of marginal calculus in a socialist ¹See W. Brus, 'Uwagi o problemie rachunku marginalnego w gospodarce

specific passage from his pamphlet, The Law of Value and Planning consumption, i.e. the determination of the rate of growth. The division of the national income into savings accumulation and cannot be imagined without including investment processes—and satisfying the requirements of the law of value, such development if the plan can guarantee balanced development only through kind of decision from the operation of the law of value. That is the preferences of consumption patterns Strumilin excludes only one by that law. Apart from political factors and particular social therefore without capital allocations, according to criteria provided

sumption goods. This holds even if we ignore the third areaproduction between the basic types of capital goods and conincome into given proportions also fixes the main proportions of and defence expenditures.) Moreover, the division of national value—but also the basic patterns of distribution—which lie well operates and the dimensions of the tasks undertaken are incomneed to comply with the requirements of the law of value, referred 'means of destruction'—so important in the area of imperialistic between consumption and saving (v:m) or between investment beyond the sphere regulated by the law. (Examples are the ratio portions of output-in complete agreement with the law of law of value operates. Our plans determine not only the proparably greater and more varied than in the areas in which the be recalled that in the USSR the areas within which planning there is not such danger and can be no danger. Primarily, it must importance of planning in the Soviet economy? In my opinion to above, mean going too far in limiting and diminishing the We are faced with the completely justified question: does not the

(He goes on to discuss the political aims of the plan which we refer

Strumilin never mentions the distribution of investment expendi

of outputs are also outside the sphere of the operation of the law of value. regulated by the law of value. However, here the impression is that the structure of distribution as the relation between consumption and accumulation...etc.' (p. 128). The difference is clear. From the first formulation it follows that the plan establishes only the ratio v.m in accordance with the law and that the planning', the basic idea of this quotation is put rather differently. After noting ¹ Problems of Socialism and Communism, p. 128, (italics in original). It is interesting that in the shorter version of the article 'The law of value and division between investment and defence expenditures 'lies outside the sphere our plans determine the proportions of production and such basic proportions that the plan covers a wider field of operation than the law of value we read:

> of the functioning of a socialist economy. of the law's operation especially from the standpoint of the model and defence expenditures lies outside the sphere regulated by the law of value. Here is undoubtedly a key point in the whole problem the law of value and the ratio v:m and the division into investment ture between sectors that the plan establishes in accordance with

least complicated: the basis of the existing productive equipment. It will probably be fruitful to conduct the analysis in two stages beginning with the law of value we must consider its role in allocating social labour on Before proceeding to the relationship between investment and the

of output of the objects of labour. structure of the final output of consumer goods. Then we shall also go on to consider briefly the relationship of the law to the structure words we assume that transformations are possible only within the of objects of labour (raw materials, semi-manufactures). In other normally utilized. Here let us consider the problem given the output product on assuming the productive capacity to be given and 1. First we will relate the law of value to the structure of current

economy is closed except for a few clearly marked instances. Other be briefly discussed later.2 simplifications will, necessarily, also appear and some of them will the state sector of production is the only existing one and that the investment. This analysis will be conducted on the assumption that 2. Secondly we shall relate the law of value to the structure of

The operation of the law of value with the given productive apparatus

and the assumption of a free choice of consumption goods on the market, making demand equal with supply for each good, requires a each good (i.e. of a given value). The total value of supply equals as well as given socially necessary outlays for the production of the sum of effective demand; but a given structure of production faced with a given structure of final production of consumer goods, Beginning the first phase of our analysis, we assume that we are

with value' or 'the deviation of price from value' since strictly one should speak of the equivalence or non-equivalence of price ratios with value ratios (cf. p. 91). ² One of these simplifications is the use of the term 'the equivalence of price

without new investment or changes in the sources of supply. of output of consumer goods since changes in the size of output may also take the productivity of 'living' labour, the use of raw materials, etc.) and hence place as a result of changes in the 'coefficient of efficiency' (the use of equipment, ¹ I do not understand this assumption as identical with the complete constancy

profitability or even loss for others. in above-normal profitability for some goods and below-normal deviation of the structure of prices from value. This deviation results

equal with the maintenance of the total value of supply and the sum total of effective demand.1 to the structure of value. In this way profitability would be made with demand for every good, with the price structure corresponding change in such a way as to make possible equilibrium of supply about through an increased share of those goods which at the initial point were the most profitable and a decreased share of goods working force and material supply, then equilibrium should come fixed means of production, or from the angle of the structure of the run into any difficulties either from the angle of the structure of the equalizing profitability. Assuming that shifting production will not bringing a low profit or a loss. The structure of production should tendency for the structure of production to move in the direction of The functioning of the law of value should find expression in a

categorical 'Yes'. It is easy to prove, using the well-known 'indifference curves' (not necessarily in the form of a smooth even curve, of the influence of various 'social preferences' the answer is a in the structure of production are in harmony with the interests of but also in the form of broken convex curves), that when two the society and the goals of the socialist economy. With the exception However, the question must be asked as to whether or not changes

¹ Obviously, equilibrium conditions here are presented in a simplified way; for we have not taken account of the interdependence of the number of goods work of the assumptions adopted, be considered as a simplified correspondent curve, the nature of the flexibility of demand, and many other aspects of the straction. It would demand consideration of a number of variants for the cost problem especially in any attempt to pass to a somewhat lower level of abmarginal costs intersect with price. However, I do not wish to go into this type of possible here to apply Lerner's formula of equilibrium at the point where cost per unit can only mean rising marginal costs. Hence it would ultimately be with unquestionably inverse relation between the scale of output and the fixed assumption implies a certain shape of the cost curve: the constancy of total value each scale of output (or at least, for each level considered). Already such an to the equalization of the rates of substitution. value, and the uniform profitability of different articles), may within the frametheory of production which are not indispensable at this point in the analysis. ing from changes in the scale of output. As it is we assume unchanging value for produced and the effects on cost of possible changes in the value of goods result-I feel that the equilibrium conditions given above (prices corresponding to

this statement I mean to avoid any possible misunderstanding that the problem is treated exclusively on the assumption of market forms of economic relations variant of the plan while the corrected structure constitutes a second variant. By refer to any correction of a predetermined pattern of output (correction ex post). One might equally well assume that the original pattern of output is the first Apart from this it must be noted that the example cited does not necessarily

> sum total of outlays would be equivalent. outlays, solutions according to the criterion of the magnitude of the be placed on one straight segment with a slope equal to the line of curve with the same slope as the outlays line. In special cases when outlays would be in all the possible points lying on the section of the equivalent structures of consumption the minimum sum total of outlays. Of course, if the broken line was an overall picture of structures of consumption are given, that structure which corresall the available structures of production of consumer goods would ponds to equilibrium prices and unit outlays will require lower total

and exchange in accordance with the principle of equivalence. The law of value does play here the role of the regulating force; it is the appears an objective necessity of arranging proportions of production law of proportional distribution of a given amount of society's described situation, the law of value actually does work. There Using the criteria formulated above, we can say that in the

of output to the pattern of the needs of the consumers. This is creates the best circumstances for the adaptation of the structure is more, it is precisely the socialist economy which theoretically under given conditions, for a given distribution of the national income, output to the pattern of needs as manifested in effective demand adaptation. private ownership which hampers the freedom of the processes of applied in complete accordance with socialist economic aims. What of 'consumer's sovereignty' understood in this way should not be etc., then apart from particular social preferences, the answer would understood. If it is understood as the adaptation of the structure of usual, the answer largely depends on the way in which the latter is a recognition of the principles of 'consumer's sovereignty'? As because it eliminates the existence of special interests deriving from have to be in the affirmative. There is no reason why the principle production by adapting them to the structure of demand constitute Does such a process of shaping the structure (proportions) of

as an officer's word changes the ranks of His Majesty's guard; whose every whim changes the pattern of output almost as efficiently economy in general; if the consumer is turned into a kind of king the rank of a basic premise for the rational management of an If, however, the principle of 'consumer's sovereignty' is raised to

of demand. A significant picture of this type of phenomenon is given by J. K. production by means of price policy and artificial interference with the structure group of enterprises. Hence the monopolistic practices of preventing shifts in be entirely at variance with the interests of the owner of a given enterprise or Galbraith in The Affluent Society (Boston, 1958). ¹ Changes in the structure of production which are socially advantageous may

in the last analysis, production determines the volume of demand conditions determined by production value being determined by economic reality. For, in the first place, equilibrium is established in for a given good with a given income distribution. the socially indispensable labour outlay per unit of output. Thus then we have entered a fictional world which has no concern with

consumers do not fall from the skies, but are the product of a whole complex of economic and sociological factors. second place, the structure of demand is obviously also determined about various changes in the decisions of the 'sovereign'. In the scarce and cheaper, which obviously affects demand and brings by the distribution of incomes. In the third place, the tastes of facturing a particular good changes for the better, it becomes less If, for example, the socially necessary outlay of labour for manu-

of the consumer, not individually, of course, but as a regular mass account several non-economic factors, can one explain the behaviour cornerstone of economic theory. On the contrary, only by analysing the social laws of production and distribution, while taking into Thus the principle of 'consumer sovereignty' is not fit to be the

means of the price system. correct the social structure of the distribution of money income by problem is far more complex; 2. When it is deemed advisable to consumption of socially desirable products. We can include in this consumption of products which are socially detrimental (because of social preferences: 1. When production and exchange patterns of consumer demand, based on the principle of conformity and such 'consumer sovereignty' may be at odds with public interest. category the classical example of liquor versus books, although the their physical properties) and to an unnecessary limitation of the (proportions) consistent with the law of value lead to an excessive distribution of income. However, there are situations when even Two types of cases exist in which conflicts arise between the structure that the structure of consumer goods output is adjusted to the pattern of demand given the conditions of production and the As we have seen, the regulating role of the law of value means

authority of the basic economic law of socialism. theoretical point of view, although many authors invoke here the exchange? This question is difficult to answer from a general preference in determining the proportions of production and To what extent is it desirable or permissible to include this type of

a right to shape the structure of production for its population by say about it is that to some extent any civilized society probably has The first type of case has non-economic justification. All we can

> behaviour (this applies not only to the consumer). 'sovereignty' does not automatically guarantee rationality of means of special—and not only educational—measures. It is because

pensated by correspondingly increased profit at another. owner-the State-reduced profits or losses at one point are comof different types of goods is concentrated in the hands of one deviations of prices from values, is greater. When the production Hence in a socialist economy the scope for active price policy, i.e. ablished on the basis of purely social preferences which would not of shoes and lower prices of textiles or vice versa. From this point of of goods produced in state enterprises are changed, but the sum of be true in the case of private ownership of shoe and textile factories, view, price ratios are a matter of indifference and they can be estgeneral level of income of the state may be attained at higher prices prices (the whole mass of commodities) remains constant. The particularly apparent when price ratios of particular goods or groups decisions taken by economic authorities in a socialist state. This is oligopolists. Such interest does not play any part in analogous commodity B below its value, there are the individual interests of the price of commodity A above its value and a decrease in price of the private property interest. In capitalism, behind an increase in structure of consumption because in principle it should be free from particular entrepreneurs and especially those of monopolists or A socialist society can claim an even stronger right to influence its

of the employed. The most important case—especially in the period arise between needs and actual possibilities of differentiating incomes direct methods. This applies primarily to situations in which conflicts the rural populations. It is from this angle that the problem of equivalence or non-equivalence was often discussed by Soviet solve this conflict by admitting relatively wide differences between income—such as wage policy—there are circumstances in which at its disposal many direct methods of influencing the distribution of does not completely lose its relevance. Although a socialist state has with only state-ownership. But even within this framework the should be eliminated by our assumption limiting us to an economy economists in the 1920s. Strictly speaking, this particular problem for purposes of creating incentive. It is often considered advisable to the use of price may be necessary, or more advisable than the use of question of the function of prices in correcting income distribution of transition from capitalism to socialism-is that of employing prices to correct the distribution of income between the urban and the distribution of income among different social groups or categories preferences here is not the material structure of consumption but The second case is of a different nature. The subject of social

and below-value prices for those purchased by lower income groups. 1 money earnings; their impact is then reduced by setting above-value prices for products consumed by people in higher income brackets

appointment of aims and confrontation of gains and losses which above the minimum. Minimization of total outlays per given unit of side effects of the deviations.2 with values; methods should be used which result in the minimum on methods of implementing a policy of setting prices at variance often does lead, to abuse of the redistributive function of price and losses can be offset by surpluses may lead, and as experience indicates should be carefully weighed, particularly because a socialist state needs, and then on a scale necessary to meet them. Gains and losses value: deviations should take place only where justified by real against the adverse results of a decision conflicting with the law of in decision-making. Therefore, the intended effects should be weighed result from accepting proportions different from those determined postulated. Beyond this optimizing procedure are, however, the in the framework of alternatives satisfying the social preferences precise—including or excluding autonomous social preferences. If final consumer output demands that conditions should be made value results in a definite cost—in the form of surplus of total outlays said above it must be clear, however, that satisfying social preferences established by the law of value. In connection with what has been active price policy leads to a division of labour different from that not formal and hence that prices will balance demand and supply, to arbitrariness in economic policy. Attention should also be focused the existence of one common pool, the relative ease with which has wide possibilities of pursuing an active price policy. Owing to by the law of value. It is necessary to be aware of these consequences by means of establishing the proportions deviating from the law of these are included, the outlays minimization calculus is made only Assuming in both cases that deviations of prices from value are

optimal for public interest, are not identical with those corresponding under certain conditions the exchange and output patterns which are Even with all these reservations in mind there is no doubt that

of the law of value in a socialist economy is subject to certain limitstructure of consumption and the social structure of the distribution of ations as a result of special social preferences regarding the physical we can say, even at the first stage of the analysis, that the operation to the law of value. Thus according to the criteria accepted above

So far we have considered the problem of establishing production materials etc.).1 adaptation in capacity or in the output of the objects of labour (raw not only be undesirable, but even impossible without appropriate materials. This is obviously not a very realistic assumption. In fact either in the structure of productive capacity or in supplies of have assumed that changes in production do not encounter difficulties and exchange structures in the field of final consumer output. We the attainment of equilibrium at prices corresponding to value may

given productive apparatus. output structure for objects of labour while continuing to assume a Let us now consider the role of the law of value in forming the

ation of the direction of investments, we cannot deal with them at structure of investment goods is closely connected with the determindivision was made and that it was protected from any further materials may serve both ends. However, let us assume that such a easy to make this division, especially as a considerable part of such of the objects of labour into broad classes: the supply of materials of the national income into an accumulation fund and a consumption goods (including increased stocks). If we assume that the division share earmarked for consumer goods. for those used for consumer goods. Taking into account that the for the objects of labour used in producing investment goods and for the production of investment goods. Technically, it is not always for the production of consumer goods and the supply of materials fund is decided ex ante, we must necessarily divide the total output labour is linked with the output of 1. consumer goods 2. investment this point. Instead we shall limit ourselves to a short analysis of interference. Then it would be necessary to make separate analyses he output pattern of the objects of labour in the framework of the It is important to note that the output structure for objects of

output. Equilibrium in the production of objects of labour can be within this group are established by the needs of consumer goods Both the size and pattern of demand for the objects of labour

free or subsidized benefits. however, this is achieved not by price policy but by means of various kinds of ¹ In practice, an adverse situation may develop in which the differentiation of real incomes is greater than that of money incomes. In normal conditions,

production of the labour force, but this connection is certainly less direct phases of manufacturing. It is true that they exercise some influence on the remeans of production, because they have no effect on calculation in the following sumer product are of much less consequence than deviations in the prices of the especially when deviations are not a rule. 2 It is worth noting that the deviations of prices from value in the final con-

shifts in production—the problem of an appropriate structure of supply of non-economic aspects, are labour difficulties encountered in consequence of skilled labour, and its mobility. ¹A separate problem which cannot be considered here, because of several

output pattern of the means of production. means of production. Hence it also leads to a tendency to change the of consumer demand but also in the structure of the demand for of the law of value. Therefore, the deviation of the prices of consumer regardless of whether a given pattern of output fulfils the demands attained only in relation to effective demand for consumer goods goods from values not only causes certain changes in the structure

and consumer demand as well. producers of consumer goods or they affect the output structure relationships between producers of the objects of labour and the system of direct rationing in physical terms) may depend on the effects of the resulting deviations of prices from values (or of a i.e. without needing direct allocation. The output pattern for the actual circumstances involved. Either they are confined to the problems similar to those with which we have already dealt. The objects of labour may also be affected by special social preferences particularly concerning the use of substitutes. Here again arise for the objects of labour is satisfied at prices corresponding to values, distribution of society's labour resources is reached when demand itself to the demand pattern of final producers. The optimum In principle the output pattern of objects of labour ought to adap

output and exchange proportions. of them), altering the pattern of demand and hence also those of of the product (or even only the consumers' subjective assessment when social preferences between methods do affect the use properties product or the capacity of the market). The second case is found raw material for another without altering the use-value of the consumer demand is not affected (e.g. substitution of one kind of where the degree of that satisfaction is neglected or at least where affect only the choice of methods of satisfying a given demand and The first case is found in its pure form when social preferences

goods and the structure of demand. which will obviously affect the structure of output of consumer labour by means of foreign trade, we run up against disproportions given potential alterations in the actual output pattern of objects of possibility is new investment. Given a productive apparatus, and necks. If bottle-necks cannot be eliminated by foreign trade, the only objects of labour is other than optimal because of capacity bottle-Finally we have the situation in which the pattern of output of the

and the objects of labour. Of much greater importance is the problem caused by the mutual interaction of the spheres of consumer goods points apart from obvious complications to the process of adaptation production of the objects of labour does not raise any new theoretical Thus, it would seem, the operation of the law of value in the

> to manufactured goods. of time-lags in adapting the pattern of supply to a pattern of demand. however, the demand for the objects of labour is much more stable materials (especially agricultural and mineral ones). At the same time, These may result from the inflexibility of supply of many raw than the demand for final consumer goods, particularly with respect

The law of value and the choice of investment pattern

with prices corresponding to values would meet insuperable obstacles. of investments, sooner or later the tendency to achieve equilibrium of making shifts within the output of a given productive apparatus argument to this conclusion, but it is quite clear that the possibilities play a limited though important role. If the regulating role of the of needs and that of production is pre-eminently connected with the question of overcoming disproportions between the structure correction by foreign trade.) When capacity utilization is very high, abstracts from certain social preferences in consumption and from exchange on the principle of equivalence. (Naturally, this assertion enables us to determine the structure of output in a way that bases law of value was not extended to cover the structure of the allocation investments. As I have pointed out, Strumilin does not carry his From our discussions it follows that the structure of capacity for examining the operation of the law of value in a socialist economy. Strumilin's approach to choosing the investment pattern as a basis So far our argument seems to confirm the earlier discussion of

such a distinction is possible will be discussed presently. in which no special extra-economic preferences are at play. How far authority, which also determines the size of investment for social ends? Let us try to answer these questions assuming that the rate of of the law of value? What criteria stem from the operation of the investment expenditures for strictly economic purposes for spheres purposes, defence etc. Thus, the problem concerns allocating investment is determined autonomously by the central planning law in allocating investment resources among various competing What is implied for investment choices by the regulating influence

that of the methods of implementing investment projects. into the problem of choosing the methods of production nor into directions of investment, i.e. the fields in which capacity is to be increased and also the rate of any increase. We shall enter neither In our answer we shall deal mainly with the question of choosing the

consumer goods, and all possibilities of eliminating it by shifts between the structure of supply and the structure of demand for Let us return to our starting point. There exists a disproportion

below normal (possibly even involving a loss).1 group of commodities is above normal, and for another group, within the existing apparatus have been exhausted. This disproportion manifests itself in that the margin of profit on a certain

where profits are lower or non-existent. as to promote equalization of profit rates: to invest, first of all, in investing less, or not at all, or even allowing disinvestment in sectors those sectors in which profitability is higher than normal while According to the law of value, investment should be allotted so

Let us deal with this problem in greater detail. for choosing the directions of investment in a socialist economy relationships among quantities do not provide sufficient indication they change the data and alter equilibrium conditions. Hence, actual problem is not so simple. Investments make a system dynamic; of the directions of investment would be right.2 However, the whole matter, those who regard market criteria as sufficient for the choice If this simple rule could be considered as exhausting the whole

strict sense. reflected in profit differentials calculated on the basis of value in its be taken into account. This marginal capital output ratio is not vestment expenditures necessary for increasing production has to increase the productive capacity of commodity A. The size of in-A is higher than on commodity B, and to decide on this basis to ratio. It is not enough to say that the margin of profit on commodity We have to start with the problem of the marginal capital output

calculated on the basis of the 'prices of production' in the sense this term was given by Marx in vol. 3 of Capital. As a result the latter On the other hand, it is manifested only by differences in profitability ing the amount of fixed and working capital used in production. Strumilin, among others, makes this postulation without consider-

the differences of profitability of consumer goods. level; otherwise the effects of disproportion at all levels will be concentrated in in outlet are reflected in differences in profitability correspondingly placed at each brium prices are employed in the turnover of the objects of labour, disproportions proportions are reflected through differences in profitability depends upon the of labour needed to produce consumer goods. The manner by which these disducing consumer goods directly and also in capacity for producing those objects principle adopted for determining prices of the objects of labour. When equili-¹ The cause of such deviations may be bottle-necks both in capacity for pro-

effective area, character, structure, rate and location of production and productive investments'. J. Popkiewicz, 'Prawdziwa rentowność' ('True rentability') in the collection Dyskusji o prawie wartości ciąg dalszy (Discussions about the ² It is only from the market that enterprises and economic managements at all levels can receive indications on the actual state of social needs and the degree to which they are satisfied as well as on the correct and economically most Law of Value, continued), Warsaw, 1957, pp. 35-6 (my italics—W.B.)

> clearly illuminated. But this is not the most important thing. and it would not be worth mentioning were it not that difficulties investment priorities. To say this is no more than stating a truism, in profitability cannot be regarded as an automatic indication for efficient of reproduction', but in practice it is not realistic. It follows capital coefficients of a previous period. Theoretically the production involved in rigid implementation of the principle of equivalence are that, with any formulations of the basic magnitude, more differences prices could be corrected by what might be termed a 'capital coproduction prices cannot be taken literally, because they reflect the can better express long-term alternatives of choice. But even the

change in per-unit labour input. Such relative changes for indifferent simplified example, it illustrates the genuine potential for deep-seated new productive equipment. products can lead to profitability differentials, as a result of using basis of value relation A:B=5:10. Although this is an extremely B, as old equipment wears out and attaining equilibrium on the solution than investing in A, and reducing capacity for producing point of view, investing in production of B and achieving an equilithan the previously postulated one of 5:10. From an economic ratio A:B=8:7 turns out to be closer to equilibrium conditions outlay per unit from 10 to 4. With this new ratio of values the price more, new investment in the production of B allows a reduction in socially necessary labour outlay per unit of the commodity. Furtherbrium based on the relation A:B=5:4 becomes a more justified that new equipment does not significantly change the amount of the progress took place in the technology of producing A, and therefore, value and price relations. Let us imagine, however, that no special and that of product B deviates downwards (value 10, price 7). the production of A is clear against the background of the given Assuming capital coefficients equal, the priority of investment in price of product A deviates from the value upwards (value 5, price 8) of production and thus on ratios between values. For example, the The second problem is the influence of investment on conditions

authority which is guided by market signals. And yet, the abovecomponent part of the total set of planned investment decisions an investment project for a particular sector is considered as a is considered separately, as if in isolation from others. If, however, mentioned factors will suffice only when each investment decision vestments are made by autonomous enterprises, or by the central not concerned here with the institutional aspect, i.e. whether inmade on the basis of existing output and exchange patterns. We are modifications on the choice of investment pattern which might be Thus, we already have two factors which impose fundamental

considered, but also all those sociocultural conditions which affect conditions. Moreover, not only purely economic conditions must be of equilibrium should be considered for a completely new set of the structure of demand. the basis of what is called a broad time horizon, then clearly problems general investment decisions are made in a long-term plan, i.e. on of the country in the level and structure of income, of costs etc. If and how it affects the conditions of production in a given branch, Now we are not only concerned with the degree of capital intensity considerably extended. We can say that it acquires a new quality. then the scope of alterations involved in patterning investment is technique, in the magnitude and structure of the productive capacity but with more or less radical transformations in the general level of

saleable commodities'.1 expected rate of profit on investment in all lines of production of competitive model and tending to bring about an equalization of the follow this guidance they are acting upon the principle of the planners in deciding priorities of expansion, and in so far as they from any particular commodity may serve as a useful guide to the Joan Robinson writes in one of her papers that 'profits obtainable

considered identical to the requirement that price ratios should be branch of production brings greater returns than in other branches, it should be given priority. Neither does the concept of profit used equalized with the ratios of values. And this is the tendency to shape that expected rates of profit should be equalized can, in fact, be general economic point of view as well as from the point of view of higher price, then by producing it we achieve better results from a we can produce two kinds of goods, one of which can be sold at a satisfied by a given commodity—that is without evaluating the price cannot be measured without considering the intensity of the need activities both under socialism, and in long-term choices. The effects whole surplus over cost included in price. Indeed, this is one of the rational allocation of resources. As long as the next input to some the structure of production and exchange in accordance with the the enterprise. If we disregard very subtle differences, the requirement that the buyer is prepared to pay. If with the same amount of means indispensable yardsticks for measuring the effects of economic by the author call for reservations; by profit she understands the the equalization of marginal revenues is taken as the criterion for this statement, as indeed of any statement in which the principle of Generally speaking one can hardly deny the logical correctness of

School of Economic and Social Studies, no. 2, 1958, p. 134. ¹ J. Robinson, 'Some Reflections on the Philosophy of Prices', Manchester

> whole picture are very difficult to predict, especially in quantitative as far as possible, on the principle of equivalence, consistent with planning improves, it should play an increasingly important role. ment for long-term planning since many component parts of the the law of value. It is not, by any means, easy to meet this requirestructure to the then prevailing demand structure and in this sense form. Nevertheless, it cannot be ignored that as the technique of the future production and exchange proportions should be based, ultimately create the future conditions for adjusting the output bear in mind that the structure of productive capacity should aspect). From the point of view of optimal resource use, we must specific sense, far different from its usual interpretation; it works in set of investment decisions. The law of value acquires here a new calculating 'expected profits' in a socialist economy, we must take applied to the initial structure, but to the projected structure. In the perspective aspect (a very important, though often forgotten Inal situation from their original state because of the fruition of a into account all the new conditions which will be different in the here: the requirement that equalization of profit rates should not be However, one reservation of great consequence should be raised

the principles of a competitive model'. development priorities', or that these authorities 'act according to mean that the principle of the equalization of the rates of profit becomes a sufficient 'guide for planning authorities to determine That this aspect of the law of value has been admitted, does not

of profit etc., will be attained with different proportions than cases demand. Equilibrium based on value, the equalization of the rates choice of general lines of development. If a relatively greater amount those of electrical goods. This, of course, will have a bearing on that chemical prices corresponding to values will drop in relation to of resources is employed in the chemical industry, it is to be expected or vice versa, cannot be deduced from the rule itself, regardless of the satisfied with cheaper chemical and more expensive electrical goods structures of capacity. Whether the principle of equivalence is achieved at different levels and for different levels and for different production and exchange correspond to the law of value can be The equalization of profit rates implying that the proportions of decisions concerning the future productive apparatus are to be made. given productive apparatus and not at the moment when basic pattern of development rather than in choosing that pattern. very important, factor. It operates within the framework of a chosen as the guide for development, but rather as a supplementary, though Equilibrium based on value is unequivocally determined only for a In the first place, the equalization of profit rates cannot be treated

composition of its capacity, can and should we introduce criteria even for a distant time horizon. Only within the broad framework autonomous prospective system of general conditions. direction of influence cannot be detected. But what is dominant of further growth.) The scrutiny of these criteria will not be without sumption and income distribution or at odds with the requirements of the target system, desired equally for the level and structural development of the electrical equipment industry. Although choosing in which investment decisions would relatively accelerate the will probably be necessary because of a mutuality of dependence. influence on the original structure; sometimes certain corrections that they are not at odds with socially preferred patterns of conin which conditions of equivalence can be satisfied. (This assumes ment of patterns of supply and demand, prices and incomes, etc. based on the law of value. Then, we can strive for a mutual adjustthe criteria for this choice cannot be reduced to the law of value the direction of development is not an act of an arbitrary nature, here is the dependent nature of equilibrium determined by the However, this mutuality does not mean that the basic and dominating

economy. of supply and demand etc. To act according to the rules of a comsubordinating the direction of investment to the prospective situation, the process of growth in the characteristic manner of a capitalist main directions of investment by means of these rules would shape today, and perhaps for the relatively near future. Achieving the petitive model is to act under the influence of the law of value for portions, arises a given system of prices and costs, a given structure Therefore, out of a given set of production and exchange probut primarily to signs and incentives coming from the market. the general lines of an economy's development. This would mean not principles of a competitive model for investment projects which fix Secondly, planning authorities cannot act according to the

capital coefficients, or of rationalization in methods of production; able element in the choice of investment. Capitalist enterprises Secondly, the existing set of market magnitudes is the most measurand they in turn always depend to some extent on the size of profits. trends in economic activity. of supply and market capacity; and certain forecasts of general include, of course, in their calculations such elements as the marginal set of costs and prices largely determines investment possibilities, decisions made by private enterprises and the market. First, a given the effect of investment on technical coefficients and on the structure Two causes lead to the connection between the investment

However, general forecasts are not very reliable so that it is

get beyond current market conditions. exclude co-ordinated conscious activity aimed at the creation of a enterprises, but generally also by the relations of production which are limited not only by the supplies of capital available to individual calculation. Leaving aside social-service investment which cannot be economic situation in order to enable measurable profitability and since any resulting situation is the accidental product of sponnothing that one could describe as a specifically intended end result, harmonious target situation. These factors make it impossible to in capitalism the time horizon and the scale of related investment translated into the language of direct profitability, one can say that there is no other choice but to found decisions on the existing taneous, unco-ordinated, often contradictory individual decisions, difficult to stray far from the point of departure. Since there is

ism is still, in the main, determined by private decisions. public investment, the development curve of contemporary capital tion of the effectiveness of this type of increased state intervention. activity of modern capitalism. This is not the place for an appreciaescape these limitations is found in the increased public investment calculation in terms of directly measurable profits. An attempt to constrain the scale of investment to that which merely permits sibilities of progress, do not allow use of a wider time horizon, and governing private actions prevent utilization of the objective pospush back the limitations, they cannot eliminate them. The motives own economic interests. But even monopolies, or oligopolies, only of adjusting to given market conditions gives way to estimation of constant. With the increasing concentration of capital, the problem that after any one of these decisions the existing situation stays of perfect competition is relatively close to reality. It assumes that taken under an immense pressure of existing conditions. The fiction investment are particularly limited, and investment decisions are great number of separate bodies, the time horizon and scale of degree of capital concentration. Where capital is divided among a But one thing is certain—in spite of the increasing part played by the possibilities of influencing the market in order to promote one's the influence of individual decisions is infinitely small and hence limited may differ depending on a number of factors, above all, the The degree to which the time horizon and scale of investment is

from one set of proportions to another occurs through successive the straight line of transition from the original position to the one the curve (or rather the broken line) of capitalist development and the current set of actual market conditions. The difference between tractional changes, and that their direction is largely determined by Capitalistic production relations thus maintain that the transition

aimed at is well illustrated by the so called 'pursuit curve'.1 True, reflect the merits of planned development but from our point of the situation shown by means of the pursuit curve does not fully

view it is worth mentioning. In the 1920s, among many interesting scientific discussions in the

emphasizes the active, transforming nature of the plan. dispute, which was affected by historical circumstances, it appears structure and only then on the paths of transition from the original tended that planning should, first, concentrate on the target economic and the teleological approach. Those in favour of the genetic were to follow. Those in favour of the teleological approach con-(proportions) from which the directions of further development approach stressed the importance of the original economic structure different conceptions of the plan: the so-called genetic approach, that the teleological approach has much in its favour because it to the future structure. Although it is difficult to review the entire Soviet Union, there was controversy between the supporters of two

effectively structural disproportions, appearing at particular stages, current structural disproportions—the cause of non-equivalence magnitude of possible changes and their pace. To refuse to submit endangers both immediate and long-term objectives, and explains regardless of what happens along the way. This kind of one-sidedness one-sided and concentrated only on attaining the prescribed future development). Investment efforts in a socialist society cannot be are mitigated without simultaneously disturbing the main trend of without harming the economy in the long-term, helps to eliminate directions of investment, but it is undoubtedly one of such criteria. not be disregarded. The need to eliminate disproportions existing in adjusting the original economic structure toward an equilibrium planned investment decisions cannot be subordinated primarily to meekly to the conditions of today should not mean to ignore them. ness and of disregarding feasibility, especially in determining the directly eliminate capacity bottle-necks. The allocation of resources the closer it is to balanced growth (i.e. it is easier the more Moreover, one must remember that transition has an easier passage Ceteris paribus, that solution will be closer to the optimum which, the original setting does not form sufficient criteria for choosing the based on the law of value, at the same time, this adjustment shuold Thus, there is also some truth in the genetic approach. Although for this kind of investment is subject to rules sımılar to those which the importance of complementary investment projects designed to However, special care is needed to avoid the dangers of arbitrari-

aspect, due to consideration given to the capital coefficients and such allocation should be based on the law of value in its 'current' from specific social preferences as to the structure of consumption, determine the output pattern in a given capacity structure. Apart their impact on the ratios of values.

substantially from initial ones are not exceptional and pertinent only structures. If we grant a growth in the importance of long-term equilibrium. On the other hand, this does not mean that such plans clearly the ex ante formation of target structures which differ several years will induce essential changes in overall economic growth. With a growing rate of technical progress, any period of economies will become less dynamic, less capable of rapid economic target positions more attention will be given to ensuring current developed socialist countries will attain a mature economic structure, and dynamic points of view are supreme. True, previously underexplanation can only be found among the general properties of a explain why the choice of the main directions of investment are so affect the sharpness of the 'bend', but they are not adequate to the necessity of moving in leaps will gradually wane, and in planning planned, socialist economy for which macro-economic, long-term relatively independent of the requirements of the law of value. An market indicator would be sufficient. Special conditions undoubtedly exceptional and shortlasting nature while in normal cases the general is necessarily limited to this kind of special case of a more or less structure and violating the conditions of equivalence if such occur, profound transformation of social relations. I cannot agree with the This is particularly true in periods of rapid industrialization with a value, may entail the opposite. It may mean shattering the existing structure differs radically from the initial one, the task of investment view¹ that autonomous determination of the directions of investment planning, far from attaining equivalence with the given ratios of coincide with those of the initial one. When, however, the target the economically justified proportions of the target structure largely based on the law of value are correct in a planned economy when role of the initial structure depends upon the degree of difference decisive role belongs to the optimal target structure. Therefore, the one of hierarchy rather than of two exclusive alternatives. The between target proportions and initial ones. Investment decisions target economic structure in determining investment allocation is Then the relationship between the role of the initial and of the

¹ See M. Dobb, On Economic Theory and Socialism, p. 40

¹ A view of this kind is put forward by Ch. Bettelheim in *Les Problèmes théo-riques et pratiques de la planification*. Similarly some Yugoslavian writers strongly emphasize this point (see for example Borivoje Jelič, 'Neki aspekti dejstva plana i trizista u nasoj privredi', *Ekonomist*, no. 1–2, 1958, Belgrade).

value would set the growth process on a slow and vastly circuitous of investment under socialism. At best, relying solely on the law of guidelines of the law of value are insufficient to fix the main directions Thus it is not only during rapid industrialization in general that the Rather they are normal features of a planned socialist economy to the initial growth stages of underdeveloped socialist countries.

capacity of goods whose market price is higher than value, in order to accepting the simple formula which recommends expanding the I think our discussions confirm the thesis, that the question of a rational choice of the directions of investment cannot be solved by

align price and value ratios. Although the relative deviation of current price ratios from the

completely mistaken conclusions. with the optimum choice of future consumption might lead to definitely inadequate. Dependence on this deviation as a criterion sumption) the deviation of prices from costs at a given moment is direction of economic development and the final structure of conwith the basic investment decisions (which in turn determine the from costs in a given moment. As a criterion for decisions dealing for allocating investment outlays based on the deviation of prices to assume that this deviation might become the primary indication decisions as to the structure of investment, it is nevertheless difficult ratios of socially necessary outlays should play some role in making

ponents of the economic process, at least in general. decisions determine the distances and movements of all comlaw of value, but (to paraphrase Marx in The Introduction to the Critique of Political Economy) it absorbs them as elements subrange of criteria peculiar to an economy in which conscious macroordinated to a more developed proposition. The result is a wider Planning investment does not reject criteria stemming from the

of equilibrium price ratios from value ratios. preferences in the target situation will give a basis for the deviations aspect) comes to the fore again. And only the appearance of social (in condition of target situation—the law of value in perspective rule of harmony between equilibrium price ratios and outlay ratios of final consumer output fulfilling appointed aims are possible, the But now in this framework, if in the final analysis different structures basis of current market indications, a general set of proportions. The plan defines, to some extent autonomously—i.e not on the

ordinating some objectives for individual sectors to the objectives production and distribution processes. As such it demands subof society's entire productive and distributive endeavour, it demands Socialist planning achieves socio-economic rationality of the

> which society is guided in its economic activities.¹ the integration of sectoral objectives towards the common goal by

patterns different from even those in the most perfect markets. and thus determining the general trends of development. When broad social interest, the central authority wants to ensure economic objectives attained by separate economic units. This is evidenced social goals arises because the latter is not a simple collection of the the market itself, since frictions are avoided. If only because of the fact, it might realize a market structure of the economy better than (though in a different form) in the image of the market. In actual through the process of choosing the direction of investment flows The need for the integration of individual aims into common the cause is not merely a desire to have the central authority behave Marxist economists stress centralization of basic investment decisions, This common end is not, of course, the sum of autonomous ends.

of investing in man). to factors traditionally treated as non-economic (the whole problem the steady increase in the long-term economic importance attached elements from those of a broadly social nature. I am disregarding definite social ends, and it is difficult to distinguish strictly economic the whole of economic activity under socialism serves to achieve clearly distinguished if viewed from a sufficient distance. After all, distinction between economic and non-economic factors cannot be as a general guide. In my opinion, this holds because the line of quantitative index (e.g. the size of national income) can only serve to express the purposes of socialist economic activity in a uniform I entertain some doubts about the accuracy of his view. It seems that expressed in a quantitative way in uniform units of measurement.2 economic activity is possible only when the ends and means are think so. One of them is Oskar Lange who believes that rational which is based on relating money outlays to profits? Some authors quantitative way similar to those of private economic rationality, Can socio-economic criteria of rationality be expressed in a

quantitative calculation. It does, however, imply that the latter are on the law of value as insufficient is not tantamount to abnegating accepting the superiority of social objectives. Viewing criteria based nature (those which concern broad social benefits) to be constantly weighed against criteria of a rather qualitative investment, they appear to be conducted on the common basis of importance. In particular on the choice of the major trend of Differences of opinion on this subject are of rather secondary

At this point I want to refer briefly to criticism of the centralized

¹ See O. Lange, Political Economy, p. 179.

form of reflecting alternatives of choice. When the price system is of labour, whose cost should correspond to the prevailing economic standable since the choice of means affects chiefly the existing supply would not favour rational choice.2 incorrect, even small decisions must be taken centrally; this certainly is a condition of decentralizing a portion of investment decisions authority from the responsibility for every investment decision. It conditions. Finally, the price system is basic to freeing the central projects, than in determining the aims themselves. This is undermuch greater in selecting methods for executing planned investment authority are not restricted to the range of assumptions which must expansion. The choice of long-term investment trends by the central that there exists a correct price system since it is an indispensable But where long-term decisions are involved, the role of prices is is different to a proper price structure in making investment decisions. satisfy an entrepreneur. That is not to say that the central authority basis of its knowledge of the economy's general prospect for dividual enterprise, can adjust prices for its own purposes on the dictated by broad global criteria. The central body, unlike an inelements should be treated as variables dependent on decisions planning body, particularly on a long-term basis, many of these dicators whilst concealing the economic perspectives. For a central to that occupied by individual capitalist enterprises for which all of course, it does not exclude the existence of other causes of error. Prices (including the price of capital) constitute the tangible inthe elements of the economic situation are given from without. The central authority in a planned economy is in a contrary situation was necessarily irrational. It is difficult to agree with this, though, price structure was faulty, the choice of the main flow of investment model found at the end of the previous chapter. It was asserted that if the law of value was disturbed in this model and the resulting

Conclusions

exchange, operates under socialism unfortunately defies a simple elements) does not fully allow for the tremendous complexity of probably that Strumilin's view of the law of value (with its useful the problem. Whether the law, strictly interpreted as equivalence of The most general conclusion to be drawn from this chapter is

is not clear-cut answer. Though the reader might prefer it, in my opinion the answer

with the basic objective regularities of a socialist economy, the above with results closer to the social optimum. decisions may also go in other directions, without causing losses and uses the law of value as a prime criterion of rationality. For in line authorities need not be constrained to maintain any structure which The autonomous character of investment decisions means that central target structure of capacity, and as the transition from the initial examine economic results on the direction of development, on the from any that would follow from the law of value. It is essential to does not imply that by definition the choice of solutions must differ cannot be accepted as an objective necessity. The chief investment to the target position, which would follow from applying the law. however, that subordination of main investment flows to the law consistently observed in the realm of investment decisions. We know, equilibrium requires that the regulating role of the law of value be at price ratios which correspond to value ratios. To attain this type of to control the output structure so that supply and demand balance decisions made by central authorities should be autonomous. This Operation of the law of value cannot be separated from attempts

limits. Thus defined, it would be erroneous to treat the law's role equivalence. Consequently, using our concepts strictly, we must say that the law of value operates under socialism within certain current preferences. Within these bounds, the allocation of the but significant, elements. allocation under given conditions. They are included as subordinate as being of little significance merely because of its largely static available labour resources is the more rational, the better the prolimits determined by autonomous decisions at the level of the central nature. The dynamic aspect hardly eliminates problems of resource authority and primarily by decisions on investments and on certain output and exchange proportions. It retains this role only within portions of production and exchange conform to conditions of The law of value, then, is not an absolute, general regulator of

which ought to be fulfilled by an efficient economic mechanism commodity forms. Our analysis of the factors regulating the socialist Certainly not directly and not in the traditional sense which identifies the structure of the mechanism of functioning of a socialist economy? value while simultaneously enabling us to conform with the law's division of labour leads rather to revelation of specific conditions the area of operation of the law of value with that of using the moneyhis mechanism ought to make it possible to transcend the law of Does the law of value, as defined here, pre-determine to any extent

See p. 88 above.

² See the very interesting statement of L. Kantorovich in the discussion in the Economic Institute of the Academy of Sciences of the USSR (Soviet Papers on the Law of Value no. 1, pp. 289-95)

requirements in all situations where the law of value retains its quality as a regulating factor of the division of labour in a socialist society.

These are the criteria which should be applied when evaluating the assumptions of models of the functioning of a socialist economy.

A model of a planned economy with a built-in market mechanism ('a decentralized model')

Thus far we have rigorously confined ourselves to a generalized analysis of the working of the law of value. We wanted to study the relationship that exists between the optimal proportions of the division of society's labour resources under socialism and the proportions of that division determined by the law of value. This was exclusively an analysis of what could be called the essence of the allocation problem in a socialist economy, completely excluding the actual form of the allocation. In particular, our discussion did not include the role of money-commodity forms of resources allocation and their relation to the law of value. Only one general thesis has been formulated in this respect: the existence of money-commodity categories itself does not necessarily mean that the law is in operation. In this chapter we shall elaborate this thesis and draw various conclusions relevant to the theory of models of the functioning of a socialist economy.

Definition of the market mechanism

and statistical purposes. Similar in character are the so-called express the aggregate output of individual establishments and of modity, money, price, trade, credit etc. in a socialist economy may Money-commodity categories, or value categories, such as comcluding current price) provided it is not related to any acts of conventional, accounting magnitude used primarily for recording monetary distribution. Price in this case fulfilled the function of a the whole state economy. Yet in the government sector the form of communism' price as a money-commodity category was used to with the problem of resource allocation. For instance under 'war have different meanings and in varying degrees may be connected purchase and sale or to the flow of money from the recipient to the recording role can also be played by any other price system (inplan fulfilment in enterprises or industries. In principle a purely constant prices long used as basic units for measuring the degree of transferred from producer to consumer by means of direct, nonpurchase and sale did not appear at all, and goods produced were