

The Triple Revolution

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THE AD HOC COMMITTEE
ON THE TRIPLE REVOLUTION

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A Letter

The following letter was sent on March 22 by The Ad Hoc Committee on the Triple Revolution to President Lyndon B. Johnson. The White House reply from Mr. Lee White, Assistant Special Counsel to the President, was received shortly. The letter to the President, together with the Report, was also sent to the Majority and Minority leaders of the Senate and the House of Representatives and to the Secretary of Labor. Texts follow:

March 22, 1964

Dear Mr. President:

We enclose a memorandum, The Triple Revolution, for your consideration. This memorandum was prepared out of a feeling of foreboding about the nation's future. The men and women whose names are signed to it think that neither Americans nor their leaders are aware of the magnitude and acceleration of the changes going on around them. These changes, economic, military, and social, comprise The Triple Revolution. We believe that these changes will compel, in the very near future and whether we like it or not, public measures that move radically beyond any steps now proposed or contemplated.

We commend the spirit prompting the War on Poverty recently announced, and the new commissions on economic dislocation and automation. With deference, this memorandum sets forth the historical and technological reasons why such tactics seem bound to fall short. Radically new circumstances demand radically new strategies.

If policies such as those suggested in The Triple Revolution are not adopted we believe that the nation will be thrown into unprecedented economic and social disorder. Our statement is aimed at showing why drastic changes in our economic organization are occurring, their relation to the growing movement for full rights for Negroes, and the minimal public and private measures that appear to us to be required.

Sincerely,

Donald G. Agger	Gunnar Myrdal
Dr. Donald B. Armstrong	Gerard Piel
James Boggs	Michael D. Reagan
W. H. Ferry	Ben B. Seligman
Todd Gitlin	Robert Theobald
Roger Hagan	William Worthy
Michael Harrington	Alice Mary Hilton
Tom Hayden	David T. Bazelon
Ralph L. Helstein	Maxwell Geismar
Dr. Frances W. Herring	Philip Green
Brig. Gen. Hugh B. Hester	H. Stuart Hughes
Gerald W. Johnson	Linus Pauling
Irving F. Laucks	John William Ward

THE WHITE HOUSE

WASHINGTON

April 6, 1964

Dear Mr. Ferry:

The President has asked me to thank you for your letter of March 19, in which you enclose the memorandum, The Triple Revolution, drawn up by your Committee.

In recent months the President has taken a number of steps addressed to the problems discussed in your memorandum — poverty, unemployment, and technological change. He has committed this Administration to an unrelenting war on poverty and, as you are of course aware, has submitted to the Congress major new legislation requesting the necessary weapons for the prosecution of this war. On December 21 he established the Committee on Economic Impact of Defense and Disarmament. The Committee will provide central review and coordination of activities in the Executive branch designed to improve our understanding of the economic impact of changes in defense expenditures. The President has also asked the Congress to establish a Presidential commission to study the impact of technological change on the economy and to recommend measures for assuring the full benefits of technology while minimizing any adverse effects.

Rapid advances in technology and sharp changes in the direction and location of economic activity pose both challenges and problems for the Nation. Your Committee has clearly been willing to take a completely fresh look at these matters. You may be sure that the Committee's analysis and recommendations will be given thoughtful consideration by all of those in the Executive branch who are concerned with these problems.

Sincerely,
s/ Lee C. White
Assistant Special Counsel
to the President

Mr. W. H. Ferry
The Ad Hoc Committee on the
Triple Revolution

THE TRIPLE REVOLUTION

This statement is written in the recognition that mankind is at a historic juncture which demands a fundamental reexamination of existing values and institutions. At this time three separate and mutually reinforcing revolutions are taking place:

The Cybernation Revolution: A new era of production has begun. Its principles of organization are as different from those of the industrial era as those of the industrial era were different from the agricultural. The cybernation revolution has been brought about by the combination of the computer and the automated self-regulating machine. This results in a system of almost unlimited productive capacity which requires progressively less human labor. Cybernation is already reorganizing the economic and social system to meet its own needs.

The Weaponry Revolution: New forms of weaponry have been developed which cannot win wars but which can obliterate civilization. We are recognizing only now that the great weapons have eliminated war as a method for resolving international conflicts. The ever-present threat of total destruction is tempered by the knowledge of the final futility of war. The need of a "warless world" is generally recognized, though achieving it will be a long and frustrating process.

The Human Rights Revolution: A universal demand for full human rights is now clearly evident. It continues to be demonstrated in the civil rights movement within the United States. But this is only the local manifestation of a worldwide movement toward the establishment of social and political regimes in which every individual will feel valued and none will feel rejected on account of his race.

■ We are particularly concerned in this statement with the first of these revolutionary phenomena. This is not because we underestimate the significance of the other two. On the contrary, we affirm that it is the simultaneous occurrence and

interaction of all three developments which make evident the necessity for radical alterations in attitude and policy. The adoption of just policies for coping with cybernation and for extending rights to all Americans is indispensable to the creation of an atmosphere in the U.S. in which the supreme issue, peace, can be reasonably debated and resolved.

The Negro claims, as a matter of simple justice, his full share in America's economic and social life. He sees adequate employment opportunities as a chief means of attaining this goal: The March on Washington demanded freedom *and* jobs. The Negro's claim to a job is not being met. Negroes are the hardest-hit of the many groups being exiled from the economy by cybernation. Negro unemployment rates cannot be expected to drop substantially. Promises of jobs are a cruel and dangerous hoax on hundreds of thousands of Negroes and whites alike who are especially vulnerable to cybernation because of age or inadequate education.

The demand of the civil rights movement cannot be fulfilled within the present context of society. The Negro is trying to enter a social community and a tradition of work-and-income which are in the process of vanishing even for the hitherto privileged white worker. Jobs are disappearing under the impact of highly efficient, progressively less costly machines.

■ The U.S. operates on the thesis, set out in the Employment Act of 1964, that every person will be able to obtain a job if he wishes to do so and that this job will provide him with resources adequate to live and maintain a family decently. Thus job-which economic resources are distributed. holding is the general mechanism through Those without work have access only to a minimal income, hardly sufficient to provide the necessities of life, and enabling those receiving it to function as only "minimum consumers." As a result, the goods and services which are needed by these crippled consumers, and which they would buy if they could, are not produced.

This in turn deprives other workers of jobs, thus reducing their incomes and consumption.

Present excessive levels of unemployment would be multiplied several times if military and space expenditures did not continue to absorb 10% of the gross national product (i.e., the total goods and services produced). Some 6 to 8 million people are employed as a direct result of purchases for space and military activities. At least an equal number hold their jobs as an indirect result of military or space expenditures. In recent years, the military and space budgets have absorbed a rising proportion of national production and formed a strong support for the economy.

However, these expenditures are coming in for more and more criticism, at least partially in recognition of the fact that nuclear weapons have eliminated war as an acceptable method for resolving international conflicts. Early in 1964 President Johnson ordered a curtailment of certain military expenditures. Defense Secretary McNamara is closing shipyards, airfields, and Army bases, and Congress is pressing the National Space Administration to economize. The future of these strong props to the economy is not as clear today as it was even a year ago.

How the Cybernation Revolution Shapes Up

Cybernation is manifesting the characteristics of a revolution in production. These include the development of radically different techniques and the subsequent appearance of novel principles of the organization of production; a basic reordering of man's relationship to his environment; and a dramatic increase in total available and potential energy.

The major difference between the agricultural, industrial and cybernation revolutions is the speed at which they developed. The agricultural revolution began several thousand years ago in the Middle East. Centuries passed in the shift from a subsistence base of hunting and food-gathering to settled agriculture.

In contrast, it has been less than 200 years since the emergence of the industrial revolution, and direct and accurate knowledge of the new productive tech-

niques has reached most of mankind. This swift dissemination of information is generally held to be the main factor leading to widespread industrialization.

■ While the major aspects of the cybernation revolution are for the moment restricted to the U.S., its effects are observable almost at once throughout the industrial world and large parts of the non-industrial world. Observation is rapidly followed by analysis and criticism. The problems posed by the cybernation revolution are part of a new era in the history of all mankind but they are first being faced by the people of the U.S. The way Americans cope with cybernation will influence the course of this phenomenon everywhere. This country is the stage on which the machines-and-man drama will first be played for the world to witness.

The fundamental problem posed by the cybernation revolution in the U.S. is that it invalidates the general mechanism so far employed to undergird people's rights as consumers. Up to this time economic resources have been distributed on the basis of contributions to production, with machines and men competing for employment on somewhat equal terms. In the developing cybernated system, potentially unlimited output can be achieved by systems of machines which will require little cooperation from human beings. As machines take over production from men, they absorb an increasing proportion of resources while the men who are displaced become dependent on minimal and unrelated government measures—unemployment insurance, social security, welfare payments.

These measures are less and less able to disguise a historic paradox: That a substantial proportion of the population is subsisting on minimal incomes, often below the poverty line, at a time when sufficient productive potential is available to supply the needs of everyone in the U.S.

Industrial System Fails to Provide for Abolition of Poverty

The existence of this paradox is denied or ignored by conventional economic analysis. The general economic approach argues that potential demand, which if filled would raise the number of jobs and

provide incomes to those holding them, is underestimated. Most contemporary economic analysis states that all of the available labor force and industrial capacity is required to meet the needs of consumers and industry and to provide adequate public services: Schools, parks, roads, homes, decent cities, and clean water and air. It is further argued that demand could be increased, by a variety of standard techniques, to any desired extent by providing money and machines to improve the conditions of the billions of impoverished people elsewhere in the world, who need food and shelter, clothes and machinery and everything else the industrial nations take for granted.

There is no question that cybernation does increase the potential for the provision of funds to neglected public sectors. Nor is there any question that cybernation would make possible the abolition of poverty at home and abroad. But the industrial system does not possess any adequate mechanisms to permit these potentials to become realities. The industrial system was designed to produce an ever-increasing quantity of goods as efficiently as possible, and it was assumed that the distribution of the power to purchase these goods would occur almost automatically. The continuance of the income-through-jobs link as the only major mechanism for distributing effective demand—for granting the right to consume—now acts as the main brake on the almost unlimited capacity of a cybernated productive system.

■ Recent administrations have proposed measures aimed at achieving a better distribution of resources, and at reducing unemployment and underemployment. A few of these proposals have been enacted. More often they have failed to secure congressional support. In every case, many members of Congress have criticized the proposed measures as departing from traditional principles for the allocation of resources and the encouragement of production. Abetted by budget-balancing economists and interest groups they have argued for the maintenance of an economic machine based on ideas of scarcity to deal with the facts of abundance produced by cybernation. This time-consuming criti-

cism has slowed the workings of Congress and has thrown out of focus for that body the inter-related effects of the triple revolution.

An adequate distribution of the potential abundance of goods and services will be achieved only when it is understood that the major economic problem is not how to increase production but how to distribute the abundance that is the great potential of cybernation. There is an urgent need for a fundamental change in the mechanisms employed to insure consumer rights.

Facts and Figures of the Cybernation Revolution

No responsible observer would attempt to describe the exact pace or the full sweep of a phenomenon that is developing with the speed of cybernation. Some aspects of this revolution, however, are already clear:

- The rate of productivity increase has risen with the onset of cybernation.
- An industrial economic system postulated on scarcity has been unable to distribute the abundant goods and services produced by a cybernated system or potential in it.
- Surplus capacity and unemployment have thus co-existed at excessive levels over the last six years.
- The underlying cause of excessive unemployment is the fact that the capability of machines is rising more rapidly than the capacity of many human beings to keep pace.
- A permanent impoverished and jobless class is established in the midst of potential abundance.

■ Evidence for these statements follows:
1. The increased efficiency of machine systems is shown in the more rapid increase in productivity per man-hour since 1960, a year that marks the first visible upsurge of the cybernation revolution. In 1961, 1962 and 1963, productivity per man-hour rose at an average pace above 3.5%—a rate well above both the historical average and the postwar rate.
Companies are finding cybernation more and more attractive. Even at the present early stage of cybernation, costs

have already been lowered to a point where the price of a durable machine may be as little as one-third of the current annual wage-cost of the worker it replaces. A more rapid rise in the rate of productivity increase per man-hour can be expected from now on.

2. In recent years it has proved to increase demand fast enough to bring about the full use of either men or plant capacities. The task of developing sufficient additional demand promises to become more difficult each year. A \$30 billion annual increase in gross national product is now required to prevent unemployment rates from rising. An additional \$40 to \$60 billion increase would be required to bring unemployment rates down to an acceptable level.

3. The official rate of unemployment has remained at or above 5.5% during the Sixties. The unemployment rate for teen agers has been rising steadily and now stands around 15%. The unemployment rate for Negro teen agers stands about 30%. The unemployment rate for teen agers in minority ghettos sometimes exceeds 50%. Unemployment rates for Negroes are regularly more than twice those for whites, whatever their occupation, educational level, age or sex. The unemployment position for other racial minorities is similarly unfavorable. Unemployment rates in depressed areas often exceed 50%.

Unemployment Is Far Worse Than Figures Indicate

These official figures seriously underestimate the true extent of unemployment. The statistics take no notice of underemployment or featherbedding. Besides the 5.5% of the labor force who are officially designated as unemployed, nearly 4% of the labor force sought full-time work in 1962 but could find only parttime jobs. In addition, methods of calculating unemployment rates—a person is counted as unemployed only if he has actively sought a job recently—ignore the fact that many men and women who would like to find jobs have not looked for them because they know there are no employment opportunities.

Underestimates for this reason are pervasive among groups whose unemployment rates are high—the young, the old, and racial minorities. Many people in the depressed agricultural, mining and industrial areas, who by official definition hold jobs but who are actually grossly underemployed, would move if there were prospects of finding work elsewhere. It is reasonable to estimate that over 8,000,000 people are not working who would like to have jobs today as compared with the 4,000,000 shown in the official statistics.

Even more serious is the fact that the number of people who have voluntarily removed themselves from the labor force is not constant but increases continuously. These people have decided to stop looking for employment and seem to have accepted the fact that they will never hold jobs again. This decision is largely irreversible, in economic and also in social and psychological terms. The older worker calls himself "retired"; he cannot accept work without affecting his social security status. The worker in his prime years is forced onto relief: In most states the requirements for becoming a relief recipient bring about such fundamental alterations in an individual's situation that a reversal of the process is always difficult and often totally infeasible. Teen agers, especially "drop-outs" and Negroes, are coming to realize that there is no place for them in the labor force but at the same time they are given no realistic alternative. These people and their dependents make up a large part of the "poverty" sector of the American population.

Statistical evidence of these trends appears in the decline in the proportion of people claiming to be in the labor force—the so-called labor force participation rate. The recent apparent stabilization of the unemployment rate around 5.5% is therefore misleading: It is a reflection of the discouragement and defeat of people who cannot find employment and have withdrawn from the market rather than a measure of the economy's success in creating jobs for those who want to work.

4. An efficiently functioning industrial system is assumed to provide the great majority of new jobs through the expansion of the private enterprise sector. But

well over half of the new jobs created during 1957-1962 were in the public sector—predominantly in teaching. Job creation in the private sector has now almost entirely ceased except in services; of the 4,300,000 jobs created in this period, only about 200,000 were provided by private industry through its own efforts. Many authorities anticipate that the application of cybernation to certain service industries, which is only just beginning, will be particularly effective. If this is the case, no significant job creation will take place in the private sector in coming years.

5. Cybernation raises the level of the skills of the machine. Secretary of Labor Wirtz has recently stated that the machines being produced today have, on the average, skills equivalent to a high school diploma. If a human being is to compete with such machines, therefore, he must at least possess a high school diploma. The Department of Labor estimates, however, that on the basis of present trends, as many as 30% of all students will be high school drop-outs in this decade.

6. A permanently depressed class is developing in the U.S. Some 38,000,000 Americans, almost one-fifth of the nation, still live in poverty. The percentage of total income received by the poorest 20% of the population was 4.9% in 1944 and 4.7% in 1963.

■ Secretary Wirtz recently summarized these trends. "The confluence of surging population and driving technology is splitting the American labor force into tens of millions of 'have's' and millions of 'have-nots.' In our economy of 69,000,000 jobs, those with wanted skills enjoy opportunity and earning power. But the others face a new and stark problem—exclusion on a permanent basis, both as producers and consumers, from economic life. This division of people threatens to create a human slag heap. We cannot tolerate the development of a separate nation of the poor, the unskilled, the jobless, living within another nation of the well-off, the trained and the employed."

New Consensus Needed

The stubbornness and novelty of the sit-

uation that is conveyed by these statistics is now generally accepted. Ironically, it continues to be assumed that it is possible to devise measures which will reduce unemployment to a minimum and thus preserve the over-all viability of the present productive system. Some authorities have gone so far as to suggest that the pace of technological change should be slowed down "so as to allow the industrial productive system time to adapt."

We believe, on the contrary, that the industrial productive system is no longer viable. We assert that the only way to turn technological change to the benefit of the individual and the service of the general welfare is to accept the process and to utilize it rationally and humanely. The new science of political economy will be built on the encouragement and planned expansion of cybernation. The issues raised by cybernation are particularly amenable to intelligent policy-making: Cybernation itself provides the resources and tools that are needed to ensure minimum hardship during the transition process.

■ But major changes must be made in our attitudes and institutions in the foreseeable future. Today Americans are being swept along by three simultaneous revolutions while assuming they have them under control. In the absence of real understanding of any of these phenomena, especially of technology, we may be allowing an efficient and dehumanized community to emerge by default. Gaining control of our future requires the conscious formation of the society we wish to have. Cybernation at last forces us to answer the historic questions: What is man's role when he is not dependent upon his own activities for the material basis of his life? What should be the basis for distributing individual access to national resources? Are there other proper claims on goods and services besides a job?

■ Because of cybernation, society no longer needs to impose repetitive and meaningless (because unnecessary) toil upon the individual. Society can now set the citizen free to make his own choice of occupation and vocation from a wide range of activities not now fostered by our value

system and our accepted modes of "work." But in the absence of such a new consensus about cybernation, the nation cannot begin to take advantage of all that it promises for human betterment.

Proposal for Action

As a first step to a new consensus it is essential to recognize that the traditional link between jobs and incomes is being broken. The economy of abundance can sustain all citizens in comfort and economic security whether or not they engage in what is commonly reckoned as work. Wealth produced by machines rather than by men is still wealth. We urge, therefore, that society, through its appropriate legal and governmental institutions, undertake an unqualified commitment to provide every individual and every family with an adequate income as a matter of right.

■ This undertaking we consider to be essential to the emerging economic, social and political order in this country. We regard it as the only policy by which the quarter of the nation now dispossessed and soon-to-be dispossessed by lack of employment can be brought within the abundant society. The unqualified right to an income would take the place of the patchwork of welfare measures—from unemployment insurance to relief—designed to ensure that no citizen or resident of the U. S. actually starves.

We do not pretend to visualize all of the consequences of this change in our values. It is clear, however, that the distribution of abundance in a cybernated society must be based on criteria strikingly different from those of an economic system based on scarcity. In retrospect, the establishment of the right to an income will prove to have been only the first step in the reconstruction of the value system of our society brought on by the triple revolution.

■ The present system encourages activities which can lead to private profit and neglects those activities which can enhance the wealth and the quality of life of our society. Consequently, national policy has hitherto been aimed far more at the welfare of the productive process than at

the welfare of people. The era of cybernation can reverse this emphasis. With public policy and research concentrated on people rather than processes we believe that many creative activities and interests commonly thought of as non-economic will absorb the time and the commitment of many of those no longer needed to produce goods and services.

Society as a whole must encourage new modes of constructive, rewarding and ennobling activity. Principal among these are activities such as teaching and learning that relate people to people rather than people to things. Education has never been primarily conducted for profit in our society; it represents the first and most obvious activity inviting the expansion of the public sector to meet the needs of this period of transition.

■ We are not able to predict the long-run patterns of human activity and commitment in a nation when fewer and fewer people are involved in production of goods and services, nor are we able to forecast the over-all patterns of income distribution that will replace those of the past full employment system. However, these are not speculative and fanciful matters to be contemplated at leisure for a society that may come into existence in three or four generations. The outlines of the future press sharply into the present. The problems of joblessness, inadequate incomes, and frustrated lives confront us now; the American Negro, in his rebellion, asserts the demands—and the rights—of all the disadvantaged. The Negro's is the most insistent voice today, but behind him stand the millions of impoverished who are beginning to understand that cybernation, properly understood and used, is the road out of want and toward a decent life.

The Transition*

We recognize that the drastic alternations in circumstances and in our way of life ushered in by cybernation and the economy of abundance will not be completed overnight. Left to the ordinary forces of the market such change, however, will involve physical and psychological misery and perhaps political chaos. Such misery is already clearly evident among

the unemployed, among relief clients into the third generation and more and more among the young and the old for whom society appears to hold no promise of dignified or even stable lives. We must develop programs for this transition designed to give hope to the dispossessed and those cast out by the economic system, and to provide a basis for the rallying of people to bring about those changes in political and social institutions which are essential to the age of technology.

The program here suggested is not intended to be inclusive but rather to indicate its necessary scope. We propose:

1. A massive program to build up our educational system, designed especially with the needs of the chronically under-educated in mind. We estimate that tens of thousands of employment opportunities in such areas as teaching and research and development, particularly for younger people, may be thus created. Federal programs looking to the training of an additional 100,000 teachers annually are needed.

2. Massive public works. The need is to develop and put into effect programs of public works to construct dams, reservoirs, ports, water and air pollution facilities, community recreation facilities. We estimate that for each \$1 billion per year spent on public works 150,000 to 200,000 jobs would be created. \$2 billion or more a year should be spent in this way, preferably as matching funds aimed at the relief of economically distressed or dislocated areas.

3. A massive program of low-cost housing, to be built both publicly and privately, and aimed at a rate of 700,000-1,000,000 units a year.

4. Development and financing of rapid transit systems, urban and interurban;

and other programs to cope with the spreading problems of the great metropolitan centers.

5. A public power system built on the abundance of coal in distressed areas, designed for low-cost power to heavy industrial and residential sections.

6. Rehabilitation of obsolete military bases for community or educational use.

7. A major revision of our tax structure aimed at redistributing income as well as apportioning the costs of the transition period equitably. To this end an expansion of the use of excess profits tax would be important. Subsidies and tax credit plans are required to ease the human suffering involved in the transition of many industries from man power to machine power.

8. The trade unions can play an important and significant role in this period in a number of ways:

a. Use of collective bargaining to negotiate not only for people at work but also for those thrown out of work by technological change.

b. Bargaining for perquisites such as housing, recreational facilities, and similar programs as they have negotiated health and welfare programs.

c. Obtaining a voice in the investment of the unions' huge pension and welfare funds, and insisting on investment policies which have as their major criteria the social use and function of the enterprise in which the investment is made.

d. Organization of the unemployed so that these voiceless people may once more be given a voice in their own economic destinies, and strengthening of the campaigns to organize white-collar and professional workers.

9. The use of the licensing power of government to regulate the speed and direction of cybernation to minimize hardship; and the use of minimum wage power as well as taxing powers to provide the incentives for moving as rapidly as possible toward the goals indicated by this paper.

■ These suggestions are in no way intended to be complete or definitively formulated. They contemplate expenditures of several billions more each year than are now being spent for socially rewarding enter-

*This view of the transitional period is not shared by all the signers. Robert Theobald and James Boggs hold that the two major principles of the transitional period will be (1) that machines rather than men will take up new conventional work openings and (2) that the activity of men will be directed to new forms of "work" and "leisure." Therefore, in their opinion, the specific proposals outlined in this section are more suitable for meeting the problems of the scarcity-economic system than for advancing through the period of transition into the period of abundance.

prises, and a larger role for the government in the economy than it has now or has been given except in times of crisis. In our opinion, this is a time of crisis, the crisis of a triple revolution. Public philosophy for the transition must rest on the conviction that our economic, social and political institutions exist for the use of man and that man does not exist to maintain a particular economic system. This philosophy centers on an understanding that governments are instituted among men for the purpose of making possible life, liberty, and the pursuit of happiness and that government should be a creative and positive instrument toward these ends.

Change Must Be Managed

The historic discovery of the post-World War II years is that the economic destiny of the nation can be managed. Since the debate over the Employment Act of 1946 it has been increasingly understood that the federal government bears primary responsibility for the economic and social well-being of the country. The essence of management is planning. The democratic requirement is planning by public bodies for the general welfare. Planning by private bodies such as corporations for their own welfare does not automatically result in additions to the general welfare, as the impact of cybernation on jobs has already made clear.

The hardships imposed by sudden changes in technology have been acknowledged by Congress in proposals for dealing with the long and short-run "dislocations," in legislation for depressed and "impacted" areas, retraining of workers replaced by machines, and the like. The measures so far proposed have not been "transitional" in conception. Perhaps for this reason they have had little effect on the situations they were designed to alleviate. But the primary weakness of this legislation is not ineffectiveness but incoherence. In no way can these disconnected measures be seen as a plan for remedying deep ailments but only, so to speak, as the superficial treatment of surface wounds.

Planning agencies should constitute the network through which pass the stated needs of the people at every level of society, gradually building into a national in-

ventory of human requirements, arrived at by democratic debate of elected representatives.

■ The primary tasks of the appropriate planning institutions should be:

● To collect the data necessary to appraise the effects, social and economic, of cybernation at different rates of innovation.

● To recommend ways, by public and private initiative, of encouraging and stimulating cybernation.

● To work toward optimal allocations of human and natural resources in meeting the requirements of society.

● To develop ways to smooth the transition from a society in which the norm is full employment within an economic system based on scarcity, to one in which the norm will be either non-employment, in the traditional sense of productive work, or employment on the great variety of socially valuable but "non-productive" tasks made possible by an economy of abundance; to bring about the conditions in which men and women no longer needed to produce goods and services may find their way to a variety of self-fulfilling and socially useful occupations.

● To work out alternatives to defense and related spending that will commend themselves to citizens, entrepreneurs and workers as a more reasonable use of common resources.

● To integrate domestic and international planning. The technological revolution has related virtually every major domestic problem to a world problem. The vast inequities between the industrialized and the underdeveloped countries cannot long be sustained.

■ The aim throughout will be the conscious and rational direction of economic life by planning institutions under democratic control.

In this changed framework the new planning institutions will operate at every level of government—local, regional and federal—and will be organized to elicit democratic participation in all their proceedings. These bodies will be the means for giving direction and content to the

growing demand for improvement in all departments of public life. The planning institutions will show the way to turn the growing protest against ugly cities, polluted air and water, an inadequate educational system, disappearing recreational and material resources, low levels of medical care, and the haphazard economic development into an integrated effort to raise the level of general welfare.

We are encouraged by the record of the planning institutions both of the Common Market and of several European nations and believe that this country can benefit from studying their weaknesses and strengths.

A principal result of planning will be to step up investment in the public sector. Greater investment in this area is advocated because it is overdue, because the needs in this sector comprise a substantial part of the content of the general welfare, and because they can be readily afforded by an abundant society. Given the knowledge that we are now in a period of transition it would be deceptive, in our opinion, to present such activities as likely to produce full employment. The efficiencies of cybernation should be as much sought in the public as in the private sector, and a chief focus of planning would be one means of bringing this about. A central assumption of planning institutions would be the central assumption of this statement, that the nation is moving into a society in which production of goods and services is not the only or perhaps the chief means of distributing income.

The Democratization of Change

The revolution in weaponry gives some

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dim promise that mankind may finally eliminate institutionalized force as the method of settling international conflict and find for it political and moral equivalents leading to a better world. The Negro revolution signals the ultimate admission of this group to the American community on equal social, political and economic terms. The cybernation revolution proffers an existence qualitatively richer in democratic as well as material values. A social order in which men make the decisions that shape their lives becomes more possible now than ever before; the unshackling of men from the bonds of unfulfilling labor frees them to become citizens, to make themselves and to make their own history.

But these enhanced promises by no means constitute a guarantee. Illuminating and making more possible the "democratic vistas" is one thing; reaching them is quite another, for a vision of democratic life is made real not by technological change but by men consciously moving toward that ideal and creating institutions that will realize and nourish the vision in living form.

Democracy, as we use the term, means a community of men and women who are able to understand, express and determine their lives as dignified human beings. Democracy can only be rooted in a political and economic order in which wealth is distributed by and for people, and used for the widest social benefit. With the emergence of the era of abundance we have the economic base for a true democracy of participation, in which men no longer need to feel themselves prisoners of social forces and decisions beyond their control or comprehension.

Attorney, Partner, de Grazia, Agger
and Hydeman.

Mr. Boggs is an auto worker, and the author of *Pages from a Negro Worker's Notebook*, 1963.

Vice-President, Fund for the Republic, Inc., Center for the Study of Democratic Institutions.

- Todd Gitlin
Ann Arbor, Michigan
- Roger Hagan
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- Michael Harrington
New York City
- Tom Hayden
Ann Arbor, Michigan
- Ralph L. Helstein
Chicago, Illinois
- Dr. Frances W. Herring
Berkeley, Calif.
- Brig. Gen. Hugh B. Hester
(Retired)
St. Petersburg, Fla.
- Gerald W. Johnson
Baltimore, Maryland
- Irving F. Laucks
Santa Barbara, Calif.
- Gunner Myrdal
Stockholm, Sweden
"I am in broad agreement with this Statement, though not entirely so."
- Gerard Piel
New York City
- Michael D. Reagan
Syracuse, N. Y.
- Ben B. Seligman
Washington, D. C.
- Robert Theobald
New York City
- William Worthy
New York City
- Alice Mary Hilton
New York City
- President, Students for a Democratic Society.
- Editor, *The Correspondent*, Council for Correspondence.
- Author, *The Other America*.
- Students for a Democratic Society.
- President, United Packinghouse, Food and Allied Workers.
- Institute for Governmental Studies, University of California.
- Director of Procurement of Supplies for Gen. MacArthur's forces in the SW Pacific, 1942-47.
- Journalist.
- Former head, Laucks Chemical Company, now Consultant to The Center for the Study of Democratic Institutions.
- Economist, Institute for International Economic Studies.
- Publisher, *Scientific American*.
- Graduate Program in Public Administration, Maxwell Graduate School of Citizenship and Public Affairs, Syracuse University.
- Director, Department of Education and Research, Retail Clerks International Association.
- Consulting economist, and author of many books, the latest being *Free Men and Free Markets*.
- Correspondent, *Baltimore Afro-American*.
- Independent consultant, problems of technology and automation.

- Maxwell Geismar
Harrison, N. Y.
- Philip Green
Haverford, Pa.
- H. Stuart Hughes
Cambridge, Mass.
- Linus Pauling
Pasadena, California
- John William Ward
Princeton, N. J.
- A. J. Muste
New York City
- Dr. Louis Fein
Palo Alto, Calif.
- Stewart Meacham
Philadelphia, Pa.
- Everett C. Hughes
Waltham, Mass.
- Robert L. Heilbroner
New York City
- Irving Howe
New York City
- Bayard Rustin
New York City
- Norman Thomas
New York City
- Dwight Macdonald
New York City
- Social critic, author of *Henry James and the Jacobites*.
- Assistant Professor of Political Science, Haverford College.
- Professor of History, Harvard University.
- Nobel laureate, Peace; Consultant to the Center for the Study of Democratic Institutions.
- Professor of History, Princeton University.
- Secretary Emeritus, Fellowship of Reconciliation.
- Independent consultant, computer field.
- Peace Secretary, American Friends Service Committee.
- Professor of Sociology, Brandeis University.
- Economist; author, *The Worldly Philosophers*, *The Great Ascent*.
- Editor, *Dissent Magazine*.
- Executive Secretary, War Resisters League; organizer of the March on Washington.
- Socialist leader
- Writer and critic